

# [MS-PPSAPP]: PerformancePoint Services Application Server Protocol Specification

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## Revision Summary

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# 1 Introduction

This document specifies the PerformancePoint Services Application Server Protocol, which is a Windows Communication Foundation (WCF) protocol that is used to read from, write to, and perform basic operations on dashboards hosted on a protocol server.

Sections 1.8, 2, and 3 of this specification are normative and contain RFC 2119 language. Sections 1.5 and 1.9 are also normative but cannot contain RFC 2119 language. All other sections and examples in this specification are informative.

## 1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

**GUID**  
**Hypertext Transfer Protocol (HTTP)**  
**Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**  
**Secure Sockets Layer (SSL)**  
**server**  
**Transmission Control Protocol (TCP)**

The following terms are defined in [\[MS-OFCGLOS\]](#):

**absolute URL**  
**Analysis Services**  
**application server**  
**assembly**  
**assembly name**  
**banding**  
**Boolean**  
**cascading style sheet (CSS)**  
**cell**  
**context site**  
**cube**  
**dashboard**  
**data source**  
**data table**  
**dimension**  
**document library**  
**drilldown**  
**endpoint**  
**feature**  
**filter**  
**hierarchy**  
**item**  
**JavaScript Object Notation (JSON)**  
**key performance indicator (KPI)**  
**level**  
**list**  
**list item**  
**measure**  
**member**  
**multidimensional expression (MDX)**  
**Multipurpose Internet Mail Extensions (MIME)**  
**node**

OLAP  
query  
relative path  
report  
report view  
rollup  
score  
scorecard  
Simple Object Access Protocol (SOAP)  
site  
site collection  
slice  
SOAP action  
SOAP body  
SOAP fault  
SOAP fault detail  
subsite  
transform  
UI culture  
Unified Modeling Language (UML)  
Uniform Resource Identifier (URI)  
Uniform Resource Locator (URL)  
Web control  
Web Part  
Web server  
Web Services Description Language (WSDL)  
WSDL message  
WSDL operation  
XML schema

The following terms are specific to this document:

**named set:** A grouping of dimension members or items from a data source that are named and treated as a single unit and can be referenced or reused multiple times.

**security zone:** A setting that determines whether a resource, such as a Web site, can access data on other domains, or access files and settings on a user's computer. There are four security zones: Internet, Local intranet, Trusted sites, and Restricted sites. The zone to which a resource is assigned specifies the security settings that are used for that resource. See also form security level.

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 1.2 References

References to Microsoft Open Specification documents do not include a publishing year because links are to the latest version of the documents, which are updated frequently. References to other documents include a publishing year when one is available.

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We



will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[HTML] World Wide Web Consortium, "HTML 4.01 Specification", December 1999, <http://www.w3.org/TR/html4/>

[MS-EMMWCF] Microsoft Corporation, "[Metadata Shared Service WCF Service Protocol Specification](#)".

[MS-PPSAS] Microsoft Corporation, "[PerformancePoint Services AuthoringService Protocol Specification](#)".

[MS-PPSDECO] Microsoft Corporation, "[PerformancePoint Services Decomposition Tree Protocol Specification](#)".

[MS-PPTX] Microsoft Corporation, "[PowerPoint Extensions to the Office Open XML File Format \(.pptx\) Specification](#)".

[MS-SPSTWS] Microsoft Corporation, "[SharePoint Security Token Service Web Service Protocol Specification](#)".

[MS-XLSX] Microsoft Corporation, "[Excel Extensions to the Office Open XML SpreadsheetML File Format \(.xlsx\) Specification](#)".

[MS-XSSK] Microsoft Corporation, "[XML Serialization of Synchronization Knowledge Specification](#)".

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

[RFC4627] Crockford, D., "The application/json Media Type for Javascript Object Notation (JSON)", RFC 4627, July 2006, <http://www.ietf.org/rfc/rfc4627.txt>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, <http://www.w3.org/TR/2009/REC-xml-names-20091208/>

[XMLSCHEMA1] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

## 1.2.2 Informative References

- [MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".
- [MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".
- [MS-SPTWS] Microsoft Corporation, "[Service Platform Topology Web Service Protocol Specification](#)".
- [RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>
- [SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part2-20030624>
- [X400] ITU-T, "Message handling systems - Message handling system and service overview", Recommendation F.400/X.400, June 1999, <http://www.itu.int/rec/T-REC-X.400/en>

## 1.3 Protocol Overview (Synopsis)

Business intelligence platforms typically support workflow whereby a user creates and publishes content representing business performance indicators, reports in a variety of forms, and data source references. This content is composed of metadata (such as names of dimensions or measures, or the names of data source references), calculation definitions, and formatting information (such as color or layout.)

This protocol enables a protocol client to:

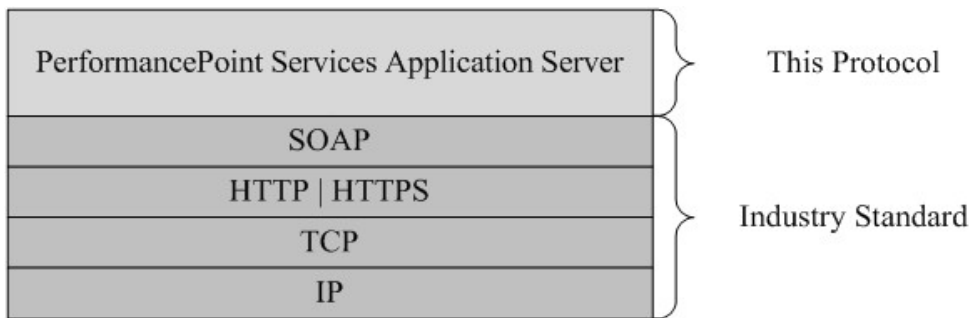
- Create, read, update, validate and delete a variety of business logic content in a content store that exists on the protocol server. The types and sub-types of business logic content were summarized previously, and described in detail in Common Message Syntax (section [2.2](#))
- Create, read, update, and delete annotations, or comments, stored on the protocol server.
- Retrieve metadata, such as the names of dimensions or measures, via data source references.
- Retrieve a listing of content sub-types and Settings (section [2.2.4.18](#)) information from a configuration store on the protocol server.

A typical scenario for using this protocol is an extensible content editing application that enables users to create, publish and maintain some of the content used in a larger business intelligence system.

## 1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#), [\[SOAP1.2/1\]](#) and [\[SOAP1.2/2\]](#). It transmits those messages by using **HTTP**, as described in [\[RFC2616\]](#), or **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**, as described in [\[RFC2818\]](#).

The following diagram shows the underlying messaging and transport stack used by the protocol:



**Figure 1: This protocol in relation to other protocols**

## 1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint (4) URIs** that are known by protocol clients. The endpoint (4) URI of the protocol server and the transport that is used by the protocol server are either known by the protocol client or obtained by using the discovery mechanism that is described in [\[MS-SPTWS\]](#).

The protocol client obtains the requisite ApplicationClassId and ApplicationVersion values and the endpoint (4) URI of the protocol server that provides the discovery mechanism, as described in [\[MS-SPTWS\]](#), by means that are independent of either protocol.

This protocol requires the protocol client to have appropriate permission to call the methods on the protocol server.

The protocol client implements the token-based security mechanisms that are required by the protocol server and related security protocols, as described in [\[MS-SPSTWS\]](#).

## 1.6 Applicability Statement

This protocol is designed for communication between **Web server** and **application server** in a multi-tier configuration where the protocol client is running on the Web server. Due to the complexity of some of the types used in the protocol and the typically large amount of metadata associated with business intelligence platforms, this protocol is designed for use by protocol clients connected by high-bandwidth, low-latency network connections.

## 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports:** This protocol can be implemented by using transports that support sending Simple Object Access Protocol (SOAP) messages, as specified in section 2.1.
- **Protocol Versions:** This protocol is not versioned.

**Capability Negotiation:** This protocol does not support version negotiation.

## 1.8 Vendor-Extensible Fields

None.

## 1.9 Standards Assignments

None.

## 2 Messages

Occasionally, instances occur where this web service's WSDL specifies optionality (for example, minOccurs="0" and maxOccurs="1") that conflicts with the stated behavior in this document, or the document doesn't contain the stated behavior. In such cases, where the document and the WSDL conflict, the document takes precedence. In cases where the document doesn't specify optionality, the argument has to be present, even if the WSDL specifies that the argument is optional (for example, minOccurs="0").

In cases where an argument is optional and the WSDL specifies both "minOccurs=0" and "Nillable=true", treat the argument as only "minOccurs=0".

### 2.1 Transport

Protocol servers **MUST** support SOAP over Hypertext Transfer Protocol (HTTP), Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS), or **TCP**.

All protocol messages **MUST** be transported by using HTTP or TCP bindings at the transport level.

Protocol messages **MUST** be formatted as specified in either [\[SOAP1.1\]](#) section 4 or [\[SOAP1.2/1\]](#) section 5. Protocol server faults **MUST** be returned by using HTTP status codes, as specified in [\[RFC2616\]](#) section 10, or **SOAP faults**, as specified in [\[SOAP1.1\]](#) section 4.4 or [\[SOAP1.2/1\]](#) section 5.4.

If the HTTPS transport is used, a server certificate **MUST** be deployed.

This protocol **MAY** transmit an additional SOAP header, the **ServiceContext** header, as specified in [\[MS-SPSTWS\]](#).

The protocol client **MUST** transmit the following additional SOAP headers:

Header Namespace	Header Name	Value
PPSMA	WebSiteId	The <b>GUID</b> of the <b>site collection</b> on which the request is being made.
PPSMA	WebSiteAbsoluteUrl	The absolute <b>URL</b> of the <b>site</b> on which the request is being made.

This protocol does not define any means for activating a protocol server or protocol client. The protocol server **MUST** be configured and begin listening in an implementation-specific way. In addition, the protocol client **MUST** know the format and transport that is used by the server, for example, the SOAP format over an HTTP transport.

### 2.2 Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses **XML schema**, as specified in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and **WSDL**, as specified in [\[WSDL\]](#).

## 2.2.1 Namespaces

Prefix	Namespace URI	Reference
xsd	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a> <a href="#">[XMLSCHEMA2]</a>
ser	<a href="http://schemas.microsoft.com/2003/10/Serialization/">http://schemas.microsoft.com/2003/10/Serialization/</a>	<a href="#">[MS-XSSK]</a>
tns	<a href="http://www.microsoft.com/performancepoint/scorecards">http://www.microsoft.com/performancepoint/scorecards</a>	<a href="#">[MS-PPSAS]</a>
xs	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a> <a href="#">[XMLSCHEMA2]</a>
wsam	<a href="http://www.w3.org/2007/05/addressing/metadata">http://www.w3.org/2007/05/addressing/metadata</a>	<a href="#">[MS-EMMWCF]</a>
soap	<a href="http://schemas.xmlsoap.org/wsdl/soap/">http://schemas.xmlsoap.org/wsdl/soap/</a>	<a href="#">[SOAP1.1]</a>
wsdl	<a href="http://schemas.xmlsoap.org/wsdl/">http://schemas.xmlsoap.org/wsdl/</a>	<a href="#">[WSDL]</a>
tns	<a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a>	<a href="#">[X400]</a>

## 2.2.2 Messages

The following table summarizes common WSDL messages defined by this specification.

Message	Description
SOAP fault	The operations defined in section <a href="#">3.1.4</a> return a SOAP fault as specified in section <a href="#">2.2.2.1</a> .

### 2.2.2.1 Faults

In the event of an application error, the server returns a SOAP fault as a response to the operation as specified in [\[SOAP1.1\]](#), section 4.4.

#### 2.2.2.1.1 SOAP Fault Detail Element

The protocol client MUST ignore all elements of the SOAP fault, except for the **SOAP fault detail** element.

The SOAP fault detail element MUST contain a **BPMException** ([2.2.4.8](#)).

#### 2.2.2.1.2 Full List of Possible Error Codes

Specified in [\[MS-PPSAS\]](#) section 2.2.2.1.2.

#### 2.2.2.1.3 Common List of Error Codes

Specified in [\[MS-PPSAS\]](#) section 2.2.2.1.3.

## 2.2.3 Elements

This specification does not define any common XML schema element definitions.

## 2.2.4 Complex Types

The following table summarizes the set of common XML schema complex type definitions defined by this specification. XML schema complex type definitions that are specific to a particular operation are described with the operation.

Complex type	Description
AliasInfo	Maps a KpiMeasure to a string. Specified in <a href="#">[MS-PPSAS]</a> .
Annotation	Associates a collection of comments to a particular <b>slice</b> of a <b>scorecard</b> . Specified in [MS-PPSAS].
AnnotationComment	A comment for an <b>Annotation</b> . Specified in [MS-PPSAS].
ArrayOfAliasInfo	An array of <b>AliasInfo</b> complex types. Specified in [MS-PPSAS].
ArrayOfAnnotationComment	An array of <b>AnnotationComment</b> elements. Specified in [MS-PPSAS].
ArrayOfArrayOfString	An array of <b>ArrayOfString</b> elements.
ArrayOfBpmProperty	An array of <b>BpmProperty</b> elements. Specified in [MS-PPSAS].
ArrayOfChoice1	An array of property values. Specified in [MS-PPSAS].
ArrayOfComment	An array of comments. Specified in [MS-PPSAS].
ArrayOfDataColumnMapping	An array of <b>DataColumnMapping</b> . Specified in [MS-PPSAS].
ArrayOfDecimal	An array of <b>Decimal</b> . Specified in [MS-PPSAS].
ArrayOfDecompRenderResultLevel	An array of <b>DecompRenderResultLevel</b> . Specified in <a href="#">[MS-PPSDECO]</a> .
ArrayOfDecompRenderResultNode	An array of <b>DecompRenderResultNode</b> . Specified in [MS-PPSDECO].
ArrayOfDefaultDimensionSetting	An array of <b>DefaultDimensionSetting</b> . Specified in [MS-PPSAS].
ArrayOfDimension	An array of <b>dimension</b> elements. Specified in [MS-PPSAS].
ArrayOfEndPoint	An array of connection termination points for a consumer <b>Web Part</b> such as a <b>report view</b> or a <b>scorecard</b> . Specified in [MS-PPSAS].
ArrayOfFirstClassElement	An array of first class objects. Specified in [MS-PPSAS].
ArrayOfGridCell	An array of cells used by a grid view such as the scorecard view. Specified in [MS-PPSAS].
ArrayOfGridDisplayElement	An array of elements for a scorecard cell. Specified in [MS-PPSAS].
ArrayOfGridHeaderItem	An array of headers for a scorecard. Specified in [MS-PPSAS].
ArrayOfGridViewTransformReference	An array of references to a grid view transform. Specified in [MS-PPSAS].
ArrayOfHierarchy	An array of hierarchy values for a dimension. Specified in [MS-

Complex type	Description
	PPSAS].
ArrayOfKpi	An array of <b>KPIs</b> for a scorecard. Specified in [MS-PPSAS].
ArrayOfKpiMeasure	An array of <b>KpiMeasure</b> . Specified in [MS-PPSAS].
ArrayOfLevel	An array of <b>Level</b> complex types. Specified in [MS-PPSAS].
ArrayOfMeasure	An array of <b>Measure</b> complex types. Specified in [MS-PPSAS].
ArrayOfMember	An array of <b>Member</b> complex types. Specified in [MS-PPSAS].
ArrayOfMemberTransform	An array of <b>MemberTransform</b> complex types. Specified in [MS-PPSAS].
ArrayOfNamedSet	An array of <b>NamedSet</b> complex types. Specified in [MS-PPSAS].
ArrayOfNameInfo	An array of <b>NameInfo</b> elements. Specified in [MS-PPSAS].
ArrayOfParameterDefinition	An array of <b>ParameterDefinition</b> complex types. Specified in [MS-PPSAS].
ArrayOfPropertyBag	An array of <b>PropertyBag</b> elements. Specified in [MS-PPSAS].
ArrayOfRepositoryList	Specified in [MS-PPSAS].
ArrayOfRepositoryLocation	Specified in [MS-PPSAS].
ArrayOfScriptDependency	An array of <b>ScriptDependency</b> elements.
ArrayOfSetting	An array of <b>Setting</b> elements.
ArrayOfString	An array of string. Specified in [MS-PPSAS].
ArrayOfSubstitutionPair	An array of <b>SubstitutionPair</b> elements.
ArrayOfTarget	An array of <b>Target</b> complex types. Specified in [MS-PPSAS].
Banding	Represents the <b>Banding</b> settings of the KPI <b>Target</b> . Specified in [MS-PPSAS].
BIData	Contains the data that the provider Web Part passes to the consumer, including the data and the consumer parameter it is applied to.
BpmProperty	The abstract base type for BpmPropertyXXX types. Specified in [MS-PPSAS].
BpmPropertyDate	Defines a <b>Date</b> property. It extends the <b>BpmProperty</b> type. Specified in [MS-PPSAS].
BpmPropertyDecimal	Defines a <b>Decimal</b> property. It extends the <b>BpmProperty</b> type. Specified in [MS-PPSAS].
BpmPropertyText	A <b>Text</b> property. The type extends <b>BpmProperty</b> . Specified in [MS-PPSAS].
BpmPropertyUser	A <b>User</b> property. The type extends <b>BpmProperty</b> . Specified in [MS-PPSAS].



Complex type	Description
CalculatedFormulaInfo	A calculated formula in a <b>KpiMeasure</b> . This type is used to specify calculations as part of a KPI's Calculated Metric. Specified in [MS-PPSAS].
CalculatedMember	Specified in [MS-PPSAS].
Comment	A comment to be associated with a data entity. This class is the base class for <b>AnnotationComment</b> . Specified in [MS-PPSAS].
Cube	The structure of a <b>cube</b> . Specified in [MS-PPSAS].
Dashboard	Defines a <b>dashboard</b> . It specifies the layout and content of the pages in the dashboard and, if the dashboard has been deployed, its deployment location. Specified in [MS-PPSAS].
DataColumnMapping	Dimensional mapping information for a column of data. Specified in [MS-PPSAS].
DataSource	A connection to an external data provider. Specified in [MS-PPSAS].
DataTableMapping	Specifies how data from tabular data sources is mapped to multidimensional data. Specified in [MS-PPSAS].
DecompQueryParameters	Specifies additional settings used when performing a <b>drilldown</b> query on an OLAP data cell.
DecompRenderResultLevel	An ordered list of nodes and count of nodes, where total count includes nodes not returned. Specified in [MS-PPSDECO].
DecompRenderResultNode	The details of a <b>node</b> . Specified in [MS-PPSDECO].
DecompRenderResultRecord	The details and results of a query. Specified in [MS-PPSDECO].
DefaultDimensionSetting	A default set of members in a <b>Dimension</b> . It extends the <b>Dimension</b> type. Specified in [MS-PPSAS].
DependentElementInfo	Specified in [MS-PPSAS].
DictionaryWrapperOfStringGridCell	A collection of <b>ArrayOfGridCells</b> with associated string keys. Specified in [MS-PPSAS].
DictionaryWrapperOfStringListOfString	A collection of <b>ArrayOfArrayOfString</b> values associated with <b>ArrayOfString</b> keys.
DictionaryWrapperOfStringPropertyBag	A collection of <b>ArrayOfPropertyBags</b> with associated string keys. Specified in [MS-PPSAS].
DictionaryWrapperOfStringString	A collection of <b>ArrayOfString</b> values associated with <b>ArrayOfString</b> keys.
Dimension	The structure of a <b>Dimension</b> . Specified in [MS-PPSAS].
Element	This abstract class specifies basic metadata about an item. This class is the base class for <b>FirstClassElement</b> and <b>SecondClassElement</b> . Specified in [MS-PPSAS].
ElementVersion	The version information used to distinguish different instances of a <b>FirstClassElement</b> . Specified in [MS-PPSAS].

Complex type	Description
EndPoint	The receiving end of a connection between a Web Part that provides parameter values such as a <b>filter</b> or a <b>Scorecard</b> , and a Web Part that consumes parameter values, such as a <b>Reportview</b> or a <b>Scorecard</b> . Specified in [MS-PPSAS].
ExportSettings	Configuration settings used when exporting a report or scorecard.
Filter	Specified in [MS-PPSAS].
FirstClassElement	This abstract class represents a first class object that is versionable. This is the base class for <b>Dashboard</b> , <b>DataSource</b> , <b>Scorecard</b> , <b>ReportView</b> , <b>Kpi</b> , and <b>Indicator</b> . Specified in [MS-PPSAS].
GridCell	A single cell used by the <b>Scorecard</b> grid view and the analytic grid view. The following <b>UML</b> class diagram shows the <b>GridCell</b> and its relationship with other classes. Specified in [MS-PPSAS].
GridCellSet	The cells used to represent a <b>Scorecard</b> or analytic grid. The representation is based on a two dimensional array of <b>GridCell</b> elements indexed by objects of type <b>GridHeaderItem</b> . Specified in [MS-PPSAS].
GridColor	The grid color for the <b>GridCell</b> contents. Specified in [MS-PPSAS].
GridDisplayElement	An element in a <b>Scorecard</b> cell. This is a base class for the following complex <b>typesGridDisplayElementNumber</b> , <b>GridDisplayElementIndicator</b> , <b>GridDisplayElementText</b> , <b>GridDisplayElementHyperLink</b> . Specified in [MS-PPSAS].
GridDisplayElementActual	The <b>GridDisplayElement</b> of a KPI's actual value in a <b>Scorecard</b> cell. Inherits from the <b>GridDisplayElementNumber</b> . Specified in [MS-PPSAS].
GridDisplayElementAggregation	The <b>GridDisplayElement</b> of an aggregated value in a <b>Scorecard</b> cell. Inherits from the <b>GridDisplayElementNumber</b> . Specified in [MS-PPSAS].
GridDisplayElementHyperLink	The <b>GridDisplayElement</b> of a KPI's hyperlink property in a cell. Inherits from the <b>GridDisplayElement</b> . Specified in [MS-PPSAS].
GridDisplayElementIndicator	The image of an <b>indicator</b> for the <b>GridDisplayElement</b> in a <b>Scorecard</b> cell. Inherits from the <b>GridDisplayElement</b> . Specified in [MS-PPSAS].
GridDisplayElementIndicatorText	The descriptive name of an <b>indicator</b> for the <b>GridDisplayElement</b> in a <b>Scorecard</b> cell. Descriptive name of the <b>IndicatorBand</b> is the <b>ToolTip</b> property of the <b>IndicatorBand</b> . Specified in [MS-PPSAS].
GridDisplayElementNumber	A numeric <b>GridDisplayElement</b> in a <b>Scorecard</b> cell. This is a base class for the following complex types: <ul style="list-style-type: none"> <li>▪ <b>GridDisplayElementsActual</b></li> </ul>

Complex type	Description
	<ul style="list-style-type: none"> <li>▪ <b>GridDisplayElementTarget</b></li> <li>▪ <b>GridDisplayElementScore</b></li> <li>▪ <b>GridDisplayElementVariance</b></li> </ul> Specified in [MS-PPSAS].
GridDisplayElementScore	The <b>GridDisplayElement</b> of the KPI target's score in a <b>Scorecard</b> cell. Inherits from the <b>GridDisplayElementNumber</b> . Specified in [MS-PPSAS].
GridDisplayElementTarget	The <b>GridDisplayElement</b> of a KPI's target value in a <b>Scorecard</b> cell. Inherits from the <b>GridDisplayElementNumber</b> . Specified in [MS-PPSAS].
GridDisplayElementText	The <b>GridDisplayElement</b> of a text value in a <b>Scorecard</b> cell. Inherits from the <b>GridDisplayElement</b> . Specified in [MS-PPSAS].
GridDisplayElementVariance	The <b>GridDisplayElement</b> of a KPI target's variance value in a <b>Scorecard</b> cell. Inherits from the <b>GridDisplayElementNumber</b> . Specified in [MS-PPSAS].
GridFontInfo	The font display options for the <b>GridCell</b> contents. Specified in [MS-PPSAS].
GridFormatInfo	The display format settings for the <b>GridCell</b> contents. Specified in [MS-PPSAS].
GridHeaderItem	The header that represents a row or a column node in a <b>Scorecard</b> . Specified in [MS-PPSAS].
GridIndicatorSettings	The settings for the <b>Indicator</b> in the <b>Target</b> field. Specified in [MS-PPSAS].
GridScoreSettings	The settings for the <b>score</b> in the <b>Target</b> field. Specified in [MS-PPSAS].
GridTargetSettings	The display settings for the <b>Target</b> column. Specified in [MS-PPSAS].
GridVarianceSettings	The settings for the <b>variance</b> in the <b>Target</b> column. Specified in [MS-PPSAS].
GridViewData	The data structure that represents the <b>Scorecard</b> view. Specified in [MS-PPSAS].
GridViewDefinition	The definition of a grid-based scorecard view. Specified in [MS-PPSAS].
GridViewTransformReference	One transform operation to be applied to a <b>GridViewData</b> instance. Specified in [MS-PPSAS].
Hierarchy	A <b>hierarchy</b> in an <b>OLAP</b> structure. Specified in [MS-PPSAS].
Kpi	A <b>KPI</b> is contained in a <b>Scorecard</b> . Specified in [MS-PPSAS].
KpiMeasure	A <b>KPI measure</b> is contained in a <b>KPI</b> . Specified in [MS-PPSAS].

Complex type	Description
KpiNumberFormatProperties	Used for custom formatting of <b>KPI measure</b> values. Specified in [MS-PPSAS].
Level	An OLAP <b>Level</b> in a hierarchy. This type extends <b>NameInfo</b> . Specified in [MS-PPSAS].
Measure	An OLAP measure. This type extends <b>NameInfo</b> . Specified in [MS-PPSAS].
Member	An OLAP member in a dimension. Specified in [MS-PPSAS].
MemberOperation	<p>The basic member operations that can be performed on an OLAP dimension member. <b>MemberOperation</b> abstract type is the base class for the following:</p> <ul style="list-style-type: none"> <li>▪ <b>MemberOperationAllDescendants</b></li> <li>▪ <b>MemberOperationChildren</b></li> <li>▪ <b>MemberOperationDescendants</b></li> <li>▪ <b>MemberOperationDrillUp</b></li> <li>▪ <b>MemberOperationHide</b></li> <li>▪ <b>MemberOperationLeafDescendants</b></li> </ul> <p>Specified in [MS-PPSAS].</p>
MemberOperationDrillup	A <b>MemberOperation</b> that represents the parent of a referred member. This type extends <b>MemberOperation</b> . Specified in [MS-PPSAS].
MemberOperationHide	A <b>MemberOperation</b> that hides a referred member. This type extends <b>MemberOperation</b> . Specified in [MS-PPSAS].
MemberOperationLeafDescendants	A <b>MemberOperation</b> that represents all descendants of a referred member that are also leaf members in the dimension hierarchy. This type extends <b>MemberOperation</b> . Specified in [MS-PPSAS].
MemberOperationAllDescendants	A <b>MemberOperation</b> that represents all descendants of a referred member in the dimension hierarchy. This type extends <b>MemberOperation</b> . Specified in [MS-PPSAS].
MemberOperationChildren	A <b>MemberOperation</b> that represents all child objects of a referred member in a dimension hierarchy. This type extends <b>MemberOperation</b> . Specified in [MS-PPSAS].
MemberOperationDescendants	A <b>MemberOperation</b> that represents all descendants of a referred member at a specified level in the hierarchy. This type extends <b>MemberOperation</b> . Specified in [MS-PPSAS].
MemberTransform	Represents a <b>transform</b> , such as drilldown, applied to a <b>member</b> , hierarchy group or <b>KPI</b> . Specified in [MS-PPSAS].
NamedSet	An OLAP Named Set. Specified in [MS-PPSAS].
NameInfo	Provides base naming information. Specified in [MS-PPSAS].

Complex type	Description
OfficeExportInfo	The export data details used to create and download either Excel <a href="#">[MS-XLSX]</a> or PowerPoint <a href="#">[MS-PPTX]</a> format files.
ParameterDefinition	The non-visual portion of the design time definition of a parameter. This class carries the state necessary to generate a parameter pick list that isn't already defined in a data source. Specified in [MS-PPSAS].
PropertyBag	A pairing of keys and values. Specified in [MS-PPSAS].
ReportView	This type controls the visual display of data in a dashboard and can be coordinated with other Report Views using filters. Specified in [MS-PPSAS].
RepositoryLocation	The location of a <b>FirstClassElement</b> stored on the protocol server. Specified in [MS-PPSAS].
RepositoryList	Specified in [MS-PPSAS].
ResourceDependencies	Resources that are required for rendering a Web Part.
ScriptDependency	A script file that is required for rendering a Web Part.
SecondClassElement	A second class object. This is the base class for <b>ConfiguredView</b> , <b>DashboardElement</b> , and <b>KpiMeasure</b> . Specified in [MS-PPSAS].
Setting	A configuration setting.
SubstitutionPair	A pair of strings for substitution.
Target	The target of a <b>KPI</b> used to measure against actual data. Specified in [MS-PPSAS].
WebPartContext	The current state, inputs, and outputs of a Web Part.
WebPartContextUpdate	Updated Web Part state and input information.

#### 2.2.4.1 ArrayOfArrayOfKeyValueOfstringanyType

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

The ArrayOfArrayOfKeyValueOfstringanyType complex type defines an array of ArrayOfKeyValueOfstringanyType (section [2.2.4.4](#)) complex type.

```
<xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfKeyValueOfstringanyType"
      nillable="true" type="tns:ArrayOfKeyValueOfstringanyType"/>
  </xs:sequence>
</xs:complexType>
```

**ArrayOfKeyValueOfstringanyType:** This element MUST NOT be null and MUST conform to the schema of the ArrayOfKeyValueOfstringanyType (section [2.2.4.4](#)) complex type.

#### 2.2.4.2 ArrayOfArrayOfString

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

An array of ArrayOfString (specified in [\[MS-PPSAS\]](#)) elements.

```
<xs:complexType name="ArrayOfArrayOfString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfString" nillable="true"
      type="tns:ArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

**ArrayOfString:** This element MUST conform to the schema of the ArrayOfString (specified in [\[MS-PPSAS\]](#)) complex type.

#### 2.2.4.3 ArrayOfBIData

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

The ArrayOfBIData complex type defines an array of BIData (section [2.2.4.7](#)) complex type.

```
<xs:complexType name="ArrayOfBIData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true"
      type="tns:BIData"/>
  </xs:sequence>
</xs:complexType>
```

**BIData:** This element MUST NOT be null and MUST conform to the schema of the BIData (section [2.2.4.7](#)) complex type.

#### 2.2.4.4 ArrayOfKeyValueOfstringanyType

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

The ArrayOfKeyValueOfstringanyType complex type defines an array of KeyValueOfstringanyType complex type.

```
<xs:complexType name="ArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Key" nillable="true" type="xs:string"/>
          <xs:element name="Value" nillable="true" type="xs:anyType"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

**KeyValueOfstringanyType:** Specifies an array of dictionaries of string keys to anyType values. This element MUST be present and MUST NOT be null.

**KeyValueOfstringanyType.Key:** Specifies the string key for addressing the values in the dictionary.

**KeyValueOfstringanyType.Value:** Specifies the anyType value in the dictionary.

The Keys and Values MUST conform to the following:

- The number of items in Keys and the number of items in Values MUST be the same.
- Each item in Values MUST NOT be null.
- Each item in Keys MUST be a unique, non-null string.

Each value in Values MUST have a corresponding key in Keys.

#### 2.2.4.5 ArrayOfScriptDependency

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

An array of ScriptDependency (section [2.2.4.17](#)) elements.

```
<xs:complexType name="ArrayOfScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ScriptDependency"
      type="tns:ScriptDependency"/>
  </xs:sequence>
</xs:complexType>
```

**ScriptDependency:** This element MUST conform to the schema of the ScriptDependency (section [2.2.4.17](#)) complex type.

#### 2.2.4.6 ArrayOfSubstitutionPair

**Namespace:**

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>

An array of SubstitutionPair (section [2.2.4.19](#)) elements.

```
<xs:complexType name="ArrayOfSubstitutionPair">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair" nillable="true"
      type="tns:SubstitutionPair"/>
  </xs:sequence>
</xs:complexType>
```

**SubstitutionPair:** This element MUST conform to the schema of the SubstitutionPair (section [2.2.4.19](#)) complex type.

#### 2.2.4.7 BIData

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

Contains the data that the provider Web Part passes to the consumer, including the data and the consumer parameter it is applied to.

```

<xs:complexType name="BIData">
  <xs:sequence>
    <xs:element minOccurs="0" name="_consumerParameter" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean"/>
    <xs:element minOccurs="0" name="_displayName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_providerValues" nillable="true"
type="tns:ArrayOfArrayOfKeyValueOfstringanyType"/>
    <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**\_consumerParameter:** Specifies the name of the parameter on the consumer Web Part which MUST receive the data. This element MUST be present and MUST NOT be empty.

**\_dataValidated:** Specifies whether the data contained in \_providerValues has been validated. If "true" the data has been validated, otherwise "false". This element MUST be present and MUST NOT be empty.

**\_displayName:** Specifies the key for \_providerValues which contains the display name for each provider value in \_providerValues. A key with this name MUST be present in the dictionary of each item in \_providerValues. This element MUST be present and MUST NOT be empty.

**\_providerValues:** Specifies the ArrayOfArrayOfKeyValueOfstringanyType (section [2.2.4.1](#)) which contains the data being passed from the provider to the consumer. The \_providerValues array MUST contain one entry for each value being sent to the consumer, where each entry MUST contain a dictionary of values which MUST contain the following:

- A key equal to the value specified in \_displayName, with a corresponding value which MUST be a string which provides the display name for the data value being passed
- A key equal to the value specified in \_valuesColumnName, with a corresponding value which MUST be a string which provides the unique identifier for the value being passed

**\_valuesColumnName:** Specifies the key for \_providerValues which contains the unique identifier for each provider value in \_providerValues. A key with this name MUST be present in the dictionary of each item in \_providerValues. This element MUST be present and MUST NOT be empty.

#### 2.2.4.8 BpmException

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

This complex type contains the details of a server alert.

```

<xs:complexType name="BpmException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ApplicationException">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="ErrorCode" type="xs:string"/>
        <xs:element minOccurs="1" maxOccurs="1" name="EventLogged" type="xs:boolean"/>
        <xs:element minOccurs="1" maxOccurs="1" name="Message" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**ErrorCode:** Identifies the alert type. MUST be one of the values specified in section [2.2.2.1.2](#).



**EventLogged:** MUST be true if the alert was logged by the server, false otherwise.

**Message:** A text description of the alert. The text MUST be included. The text MUST NOT be empty. The text MUST be in the language of the **UI culture** of the session.

#### 2.2.4.9 DecompQueryParameters

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

The **DecompQueryParameters** complex type specifies additional settings used when performing a drilldown query on an OLAP data cell.

```
<xs:complexType name="DecompQueryParameters">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="SortType" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ClientState" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**SortType:** MUST be set to blank when sending and MUST be ignored on receiving.

**ClientState:** MUST be set to blank when sending and MUST be ignored on receiving.

#### 2.2.4.10 DictionaryWrapperOfStringListOfString

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

This complex type specifies a collection of ArrayOfArrayOfString (see section [2.2.4.2](#)) values associated with ArrayOfString (specified in [\[MS-PPSAS\]](#)) keys.

```
<xs:complexType name="DictionaryWrapperOfStringListOfString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="tns:ArrayOfArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

**Keys:** This element MUST conform to the schema of the ArrayOfString (specified in [\[MS-PPSAS\]](#)) complex type.

**Values:** This element MUST conform to the schema of the ArrayOfArrayOfString (see section [2.2.4.2](#)) complex type.

#### 2.2.4.11 DictionaryWrapperOfStringString

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

A collection of ArrayOfString (specified in [\[MS-PPSAS\]](#)) values associated with ArrayOfString (specified in [\[MS-PPSAS\]](#)) keys.

```
<xs:complexType name="DictionaryWrapperOfStringString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="tns:ArrayOfString"/>
  </xs:sequence>
```

</xs:complexType>

**Keys:** An ArrayOfString (specified in [MS-PPSAS]) where each member of the array serves as a key for addressing the contents of the Values array.

**Values:** An ArrayOfString (specified in [MS-PPSAS]) containing the values in the dictionary.

The Keys and Values MUST conform to the following:

- The number of items in Keys and the number of items in Values MUST be the same.
- Each item in Values MUST NOT be null.
- Each item in Keys MUST be a unique, non-null string.

Each value in Values MUST have a corresponding key in Keys (that is, for each Values[i], the corresponding key is Keys[i]).

#### 2.2.4.12 ExportSettings

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

Specifies configuration settings used when exporting a report or scorecard.

```
<xs:complexType name="ExportSettings">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="WebPartTitle" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="PageTitle" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="ExportFormat" type="tns:ExportFormat"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DashboardLink" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**WebPartTitle:** The title of the Web Part.

**PageTitle:** The title of the page.

**ExportFormat:** The export data format for a report or a scorecard as specified by **ExportFormat** (see section [2.2.5.1](#)).

**DashboardLink:** An **absolute URL** used to reference the dashboard containing the report or scorecard to be exported.

#### 2.2.4.13 OfficeExportInfo

**Namespace:**

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon.Export>

Defines the export data details used to create and download either Excel [\[MS-XLSX\]](#) or PowerPoint [\[MS-PPTX\]](#) format files. The Scorecard, Analytic Grid, and Analytic Chart return only the **ExportData** and **DownloadFileName**.

```
<xs:complexType name="OfficeExportInfo">
  <xs:sequence>
```

```

    <xs:element minOccurs="0" name="_downloadFileName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_exportData" nillable="true" type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="_exportUri" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**\_downloadFileName:** The download export file name minus the file extension name.

**\_exportData:** The Excel [MS-XLSX] or PowerPoint [MS-PPTX] data written to the download file.

**\_exportUri:** The URL to which the office export request is redirected.

#### 2.2.4.14 ParameterMessage

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

ParameterMessage represents the client side browser transmission packet that is passed between proxies in a dashboard.

```

<xs:complexType name="ParameterMessage">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ParameterDefinition">
      <xs:sequence>
        <xs:element xmlns:q10="http://microsoft.com/wsdl/types/" name="dashboardItemId"
          type="q10:guid"/>
        <xs:element xmlns:q11="http://microsoft.com/wsdl/types/" name="mappingId"
          type="q11:guid"/>
        <xs:element name="values" nillable="true">
          <xs:complexType>
            <xs:sequence>
              <xs:any minOccurs="0" maxOccurs="unbounded"
                namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
              <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
                processContents="lax"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**dashboardItemId:** Specifies the identifier of the DashboardItem ([\[MS-PPSAS\]](#) section 2.2.4.83) that emits this ParameterMessage. This element **MUST** be present and **MUST NOT** be null.

**mappingId:** Specifies the identifier of the ParameterMapping ([\[MS-PPSAS\]](#) section 2.2.4.157) instance that governs the current instance. This element **MUST** be present and **MUST NOT** be null.

**values:** Specifies a DataTable object which **MUST** contain a row for each of the currently selected parameters. The DataTable **MUST** contain all of the columns as specified by the ParameterDefinition ([\[MS-PPSAS\]](#) section 2.2.4.156). This element **MUST** be present and **MUST NOT** be null.

#### 2.2.4.15 ParameterSearchResultRecord

**Namespace:**

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>

The **ParameterSearchResultRecord** complex type<sup>[1](#)</sup> contains a string that represents an array of search result nodes and a string which represents an array of ancestor node display captions.

```
<xs:complexType name="ParameterSearchResultRecord">
  <xs:sequence>
    <xs:element name="_ancestors" nillable="true" type="xs:string"/>
    <xs:element name="_resultNodes" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**\_ancestors:** A JSON [\[RFC4627\]](#) serialized string specifying an array of strings which represent ancestor node display captions.

**\_resultNodes:** A JSON [\[RFC4627\]](#) serialized string specifying an array of objects which represent search result nodes.

#### 2.2.4.16 ResourceDependencies

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

Specifies resources that are required for rendering a Web Part.

```
<xs:complexType name="ResourceDependencies">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ExternalCssDependencies"
      type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptDependencies"
      type="tns:ArrayOfScriptDependency"/>
    <xs:element minOccurs="0" maxOccurs="1" name="CustomStartupScript" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**ExternalCssDependencies:** An ArrayOfString (specified in [\[MS-PPSAS\]](#)) where each member of the array contains the name of a **cascading style sheet (CSS)** file which is needed for rendering a Web Part.

**ScriptDependencies:** An ArrayOfScriptDependency (see section [2.2.4.5](#)) where each member of the array contains information about a script file which is needed for rendering a Web Part.

**CustomStartupScript:** A string containing a script to be executed in the browser when a Web Part is rendered.

#### 2.2.4.17 ScriptDependency

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

Specifies a script file that is required for rendering a Web Part.

```
<xs:complexType name="ScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptLocation" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**ScriptLocation:** The **relative path** of the script file, or the identifier of the script file when it is embedded as a resource in an **assembly**.

#### 2.2.4.18 Setting

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

Specifies a configuration setting.

```
<xs:complexType name="Setting">
  <xs:attribute name="Key" type="xs:string"/>
  <xs:attribute name="Type" type="tns:SettingType" use="required"/>
  <xs:attribute name="Value" type="xs:string"/>
  <xs:attribute name="DefaultValue" type="xs:string"/>
</xs:complexType>
```

**Key:** A unique identifier for the setting. MUST NOT be null or empty. MUST be one of the Key values from the following table:

Key	Description	Type	Minimum	Maximum	Illegal Characters
EnableAnnotation	Allows users to add comments to scorecard cells.	Boolean			
EnableDeletionByAuthor	Allows scorecard to be deleted by author.	Boolean			
MaxAnnotationAllowed	Max number of commented cells per scorecard.	Integer	0	1000000	
FilterRememberUserSelectionsDays	Days to remember user filter selections.	Integer	1	10000	
MaxHoursOfSessionObjects	Hours to keep user navigation history.	Integer	1	48	
MsmQueueEnabled	Send notifications to Microsoft Message Queuing (MSMQ) on content change.	Boolean			
MsmQueueName	Queue name of the Microsoft Messaging Queue.	String	0	380 chars	\+ , "

Key	Description	Type	Minimum	Maximum	Illegal Characters
					\n \r
SdLargeRowLimit	Maximum number of rows to retrieve for show details.	Integer	1	1000000	
SdSmallRowLimit	Initial number of rows to retrieve for show details.	Integer	1	100000	
SdLargeEnableLimit	Enable SdLargeRowLimit. If set to False, Analysis Services controls limit.	Boolean			
SelectMeasureMaximum	Maximum number of measures to show in a dashboard Select Measure control.	Integer	0	1000000	
DecompositionTreeMaximum	Set the maximum number of items (per level) returned to the decomposition tree visualization.	Integer	0	1000000	
EnableAnalyticQueryLogging	Verbose logging of query events.	Boolean			
IndicatorImageCacheTime	Seconds to cache KPI icons.	Integer	1	3600	
DataSourceQueryTimeout	Seconds to time-out for a data source query.	Integer	1	3600	
TreeViewControlMaxNumRecordsToRender	Maximum number of records to show in filter	Integer	1	100000	
DataSourceTrustedLocationsRestricted	When switched on, only trust specified	Boolean			

Key	Description	Type	Minimum	Maximum	Illegal Characters
	locations. Default is to trust all Data Source locations.				
WorkspaceTrustedLocationsRestricted	When switched on, only trust specified locations. Default is to trust all Content locations.	Boolean			
SharedIdentityUsername	The username that that service application is using as the unattended service account. (read only)	String	0	268435455 chars	
ApplicationProxyCacheEnabled	Enable or disable rendered output cache on the front-end Web server.	Boolean			
ApplicationCacheEnabled	Enable or disable rendered output cache on the application server.	Boolean			
ApplicationCacheMinimumHitCount	Set the minimum number of times rendered output MUST be requested before it is added to cache.	Integer	0	1000	
SpFcoCacheTimeout	Set the first class object cache expiration time.	Integer	0	3600	
AnalyticQueryCellMax	Sets a maximum number of returned cells in an analytic grid.	Integer	1	100000000	

Key	Description	Type	Minimum	Maximum	Illegal Characters
AnalyticResultCacheMinimumHitCount	Set the minimum number of times an analytic result set MUST be requested before it is added to cache.	Integer	0	1000	

**Type:** The type of the setting value. MUST be a value specified in section [2.2.5.2](#).

**Value:** A value for the setting. MUST NOT be null.

**DefaultValue:** A default value for the setting.

#### 2.2.4.19 SubstitutionPair

**Namespace:**

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>

Specifies a pair of strings for substitution.

```
<xs:complexType name="SubstitutionPair">
  <xs:sequence>
    <xs:element name="_x003C_Token_x003E_k__BackingField" nillable="true" type="xs:string"/>
    <xs:element name="_x003C_Value_x003E_k__BackingField" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**\_x003C\_Token\_x003E\_k\_\_BackingField:** A string that identifies a pattern to be replaced.

**\_x003C\_Value\_x003E\_k\_\_BackingField:** A string that replaces the token.

#### 2.2.4.20 WebPartContext

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

Specifies the current state, inputs, and outputs of a Web Part.

```
<xs:complexType name="WebPartContext">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ClientViewState"
      type="tns:DictionaryWrapperOfStringString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="InUseProviderParameterNames"
      type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ProviderParameterSelections"
      type="tns:DictionaryWrapperOfStringListOfString"/>
  </xs:sequence>
</xs:complexType>
```



**ClientViewState:** Specifies the **DictionaryWrapperOfStringString** (section [2.2.4.11](#)) that contains the current state of the web part's view. This element **MUST** be present.

**InUseProviderParameterNames:** Specifies an array of begin points on a web part that are connected to an endpoint. This element **MUST** be present.

**ProviderParameterSelections:** Specifies the **DictionaryWrapperOfStringListOfString** (section [2.2.4.10](#)) that contains the currently selected parameter values. This element **MUST** be present.

#### 2.2.4.21 WebPartContextUpdate

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

Specifies updated Web Part state and input information.

```
<xs:complexType name="WebPartContextUpdate">
  <xs:sequence>
    <xs:element name="_clientViewStateWrapper" nillable="true"
      type="tns:DictionaryWrapperOfStringString"/>
    <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"/>
  </xs:sequence>
</xs:complexType>
```

**\_clientViewStateWrapper:** Specifies the **DictionaryWrapperOfStringString** (section [2.2.4.11](#)) that contains the current state of the view of the Web Part. This element **MUST** be present and **MUST NOT** be null.

**\_legacyFilterSelections:** Specifies the **ArrayOfBIData** (section [2.2.4.3](#)) which contains the selections of any connected Web Part providers which are neither **filters** nor scorecards. This element **MUST** be present and **MUST NOT** be null.

#### 2.2.4.22 DictionaryWrapperOfStringArrayOfString

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

The **DictionaryWrapperOfstringArrayOfString** type specifies a collection of **ArrayOfArrayOfstring** values (section [2.2.4.2](#)) with associated string keys.

```
<xs:complexType name="DictionaryWrapperOfStringArrayOfString">
  <xs:sequence>
    <xs:element name="keys" nillable="true" type="tns:ArrayOfString"/>
    <xs:element name="values" nillable="true" type="tns:ArrayOfArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

**keys:** An **ArrayOfString** (specified in [\[MS-PPSAS\]](#)) where each member of the array serves as a key for addressing the contents of the Values array.

**values:** An array of **ArrayOfArrayOfString** (section [2.2.4.2](#)).

#### 2.2.5 Simple Types

The following table summarizes the set of common XML schema simple type definitions defined by this specification. XML schema simple type definitions that are specific to a particular operation are described with the operation.

Simple type	Description
AggregateTypeEnum	The method by which a KpiMeasure is aggregated. Specified in <a href="#">[MS-PPSAS]</a> .
AnnotationVersions	The product version that was used to create the <b>annotation</b> . Specified in <a href="#">[MS-PPSAS]</a> .
BandType	The type of the banding for the Target. Specified in <a href="#">[MS-PPSAS]</a> .
BeginPointEmitterType	The type of information the parameter emits. Specified in <a href="#">[MS-PPSAS]</a> .
ConnectionContext	The identity that is used to connect to the data source. Specified in <a href="#">[MS-PPSAS]</a> .
DataValuePosition	The display positioning for a data value. Specified in <a href="#">[MS-PPSAS]</a> .
DateAggregationTypes	A enumeration of time intervals. Specified in <a href="#">[MS-PPSAS]</a> .
DimensionTypeEnum	The type of information in a <b>dimension</b> . Specified in <a href="#">[MS-PPSAS]</a> .
EndPointCategory	Used by the Dashboard Designer to sort and filter <b>EndPoints</b> when connecting provider Web Parts to consumer Web Parts on the Dashboard. Specified in <a href="#">[MS-PPSAS]</a> .
ExportFormat	The export data format for a report or a scorecard.
FactAggregations	The type of aggregation to be performed on a numeric fact column in a tabular data set. The values are exclusive; that is, exactly one <b>MUST</b> be present in any field that uses this type. Specified in <a href="#">[MS-PPSAS]</a> .
FCOContentType	The type of a First Class Object (FCO). Specified in <a href="#">[MS-PPSAS]</a> .
FilterSelectionMode	Specifies the manner in which the <b>items</b> in a Filter can be selected. Specified in <a href="#">[MS-PPSAS]</a> .
FirstClassObjectType	The type of a First Class Object (FCO). Specified in <a href="#">[MS-PPSAS]</a> .
FormatNegativeSymbol	The formatting pattern for negative numbers when custom formatting is used. Positive values are not affected. See <b>KpiNumberFormatProperties</b> . Specified in <a href="#">[MS-PPSAS]</a> .
FormatType	The formatting pattern for numeric values. Specified in <a href="#">[MS-PPSAS]</a> .
GridCellElementStatus	The status of a display element of a scorecard cell. Specified in <a href="#">[MS-PPSAS]</a> .
HeaderAggregationTypes	The type of aggregation used by the Scorecard. Specified in <a href="#">[MS-PPSAS]</a> .
HierarchyOrigin	The overall structure of a hierarchy. Specified in <a href="#">[MS-PPSAS]</a> .
HorizontalAlignments	Specifies how an object or text in a control is horizontally aligned relative to the control element. Specified in <a href="#">[MS-PPSAS]</a> .
IndicatorPosition	The position of the <b>indicator</b> within the target value cell. Specified in <a href="#">[MS-PPSAS]</a> .
IndicatorType	Specifies how the <b>indicator</b> bands change in according to the values change. Specified in <a href="#">[MS-PPSAS]</a> .

Simple type	Description
KpiPattern	Specifies how Banding and scoring change in appearance according to the setting of the KPI pattern. Specified in [MS-PPSAS].
MappedColumnDataTypes	The data type of the mapped columns in DataColumnMapping. Specified in [MS-PPSAS].
MappedColumnTypes	The classification of a mapped column in DataColumnMapping. Specified in [MS-PPSAS].
MemberRelationship	The relationship among dimension members. Member relationships are used in the context of a referred member. Specified in [MS-PPSAS].
MemberTransformOperation	The <b>transform</b> action that the MemberTransform uses. Specified in [MS-PPSAS].
MemberTransformType	The classification of the MemberTransform. Specified in [MS-PPSAS].
MemberType	The type represented by the member object. Specified in [MS-PPSAS].
QueryTransformMembersType	The type of query transform. Specified in [MS-PPSAS].
RollupTypes	The types of <b>rollup</b> behavior that can be exhibited by a target column in a scorecard. Specified in [MS-PPSAS].
ScorecardEmptyRowsFilterMode	Specifies whether to display scorecard rows with empty cells. A scorecard GridCell is considered empty if DisplayElements does not contain any GridDisplayElements with a Status of 0. Specified in [MS-PPSAS].
ScorecardNamedSetType	Specifies how to define a set of dimension <b>members</b> . It is used by <b>GridHeaderItem</b> when the attribute <b>HeaderType</b> is set to "NamedSet". Specified in [MS-PPSAS].
ScorecardNodeTypes	The type of scorecard node header. This is used in the <b>GridHeaderItem</b> . Specified in [MS-PPSAS].
ScoreTypes	The type of <b>score</b> to be used when rolling up the target column in a scorecard. Specified in [MS-PPSAS].
SettingType	Specifies how to interpret setting values when they are presented as strings.
Trinary	An enumeration type that has three possible values. Specified in [MS-PPSAS].
ValueSources	Specifies how to compute rollup values. The enumeration determines how to compute values for parent scorecard row items from the values of child scorecard row items within the same scorecard column. Specified in [MS-PPSAS].
VarianceDisplayType	Specifies how a <b>variance</b> is presented. Specified in [MS-PPSAS].
VarianceType	Specifies how a <b>variance</b> is calculated. Specified in [MS-PPSAS].
VerticalAlignments	Specifies a vertical alignment of content within a grid cell or display element. Specified in [MS-PPSAS].

### 2.2.5.1 ExportFormat

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

Specifies the export data format for a report or a scorecard.

```
<xs:simpleType name="ExportFormat">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Excel"/>
    <xs:enumeration value="PowerPoint"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for ExportFormat:

Value	Meaning
Excel	Export data formatted as specified in <a href="#">[MS-XLSX]</a> .
PowerPoint	Export data formatted as specified in <a href="#">[MS-PPTX]</a> .

### 2.2.5.2 SettingType

**Namespace:** http://www.microsoft.com/performancepoint/scorecards

Specifies how to interpret setting values when they are presented as strings.

```
<xs:simpleType name="SettingType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="String"/>
    <xs:enumeration value="Boolean"/>
    <xs:enumeration value="Integer"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for SettingType:

Value	Meaning
String	The setting value is a string.
Boolean	The setting value is a Boolean.
Integer	The setting value is a numeric integer.

### 2.2.6 Attributes

This specification does not define any common XML schema attribute definitions.

### 2.2.7 Groups

This specification does not define any common XML schema group definitions.

### **2.2.8 Attribute Groups**

This specification does not define any common XML schema attribute group definitions.

### **2.2.9 Common Data Structures**

This specification does not define any common XML schema data structures.

### 3 Protocol Details

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

Except where specified, protocol clients SHOULD interpret HTTP status codes returned by the protocol server as specified in [\[RFC2616\]](#) (Section 10, Status Code Definitions).

This protocol allows protocol servers to notify protocol clients of application-level faults using SOAP faults. Except where specified, these SOAP faults are not significant for interoperability, and protocol clients can interpret them in an implementation-specific manner.

This protocol allows protocol servers to perform implementation-specific authorization checks and notify protocol clients of authorization faults either using HTTP status codes or using SOAP faults as specified previously in this section.

Occasionally, instances occur where this web service's WSDL specifies optionality (for example, `minOccurs="0"` and `maxOccurs="1"`) that conflicts with the stated behavior in this document, or the document doesn't contain the stated behavior. In such cases, where the document and the WSDL conflict, the document takes precedence. In cases where the document doesn't specify optionality, the argument has to be present, even if the WSDL specifies that the argument is optional (for example, `minOccurs="0"`).

In cases where an argument is optional and the WSDL specifies both `"minOccurs=0"` and `"Nillable=true"`, treat the argument as only `"minOccurs=0"`.

#### 3.1 Server Details

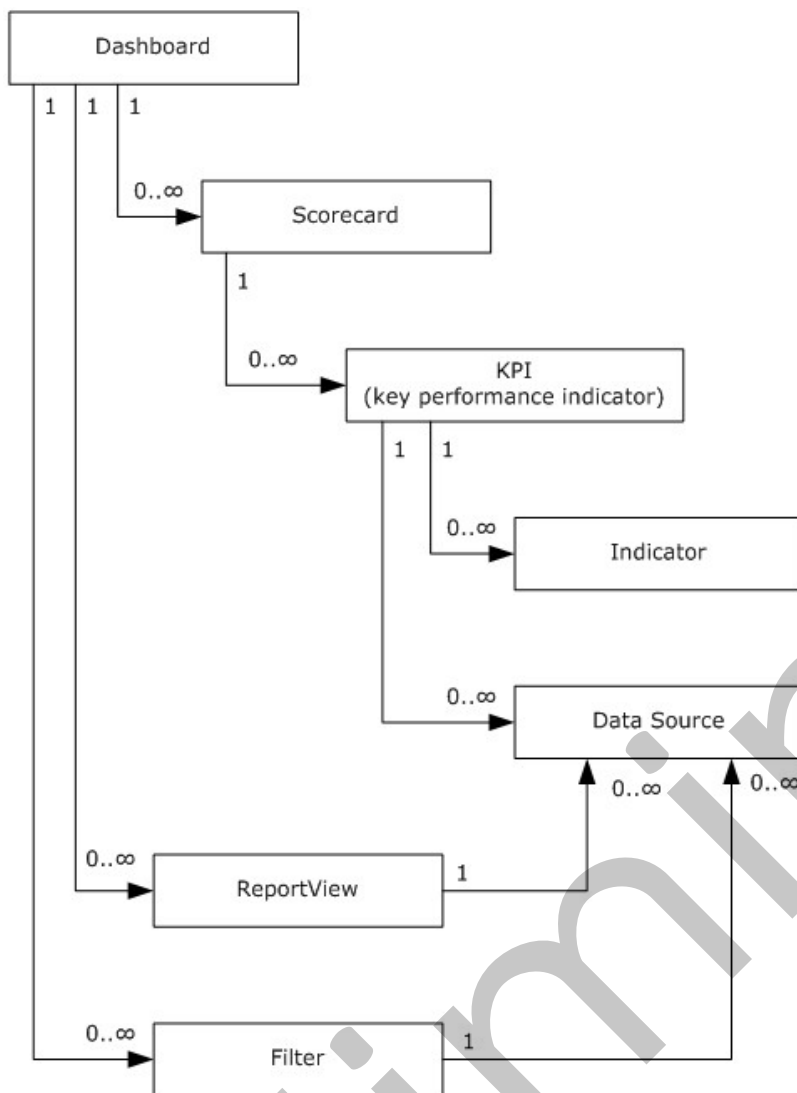
The Application Server interface is called by a protocol client running on a Web server. Each operation in the interface is stateless, so it can be called without any other operation being called before it.

This protocol supports the operations specified in [\[MS-PPSAS\]](#), and [\[MS-PPSDECO\]](#), and allows the Web server and application server to run on separate tiers in a multi-tier deployment.

##### 3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

The protocol server maintains a collection of **FirstClassElement** (see [\[MS-PPSAS\]](#)) objects indexed by unique repository locations. Each first-class element can be independently published to and read from the server. Each first-class element references its dependents by their unique repository locations. The following UML diagram describes how the **FirstClassElement** objects are related:



**Figure 2: Overview of first-class elements**

A first-class element's dependents must be published prior to that first-class element being consumed on the server. For example, all the first-class elements that a dashboard is dependent on must be published prior to that dashboard being deployed or viewed.

The following classes are defined as first-class elements:

**Dashboard:** A customizable landing page for a business application or workspace that uses Web Parts to display selected information. It can provide a comprehensive look at the information inside the application or workspace by consolidating lists (1), libraries, text, images and other data into a dynamic, customizable information portal.

Each Web Part on a dashboard displays the information specified by a single first-class element.

The Filters, Reports, and Scorecards in a Dashboard can be connected together so that changes in the state of one first-class element will change the information displayed by other first-class

elements. For example, a Filter can be connected to Report Views or Scorecards so that changes to the selections made in the Filter are reflected in the information shown by those Report Views and Scorecards.

When Filters, Reports, and Scorecards are connected in a Dashboard, each connection has an explicit source and a destination. State information in a dashboard always flows from a connection source or begin point in one first-class element to a connection destination or endpoint in another first-class element. Filters, Reports, and Scorecards may each have multiple begin points and endpoints. A connection is fully defined by a source element, a begin point on that element, a destination element and an endpoint on that element. For example, the member name begin point on a Filter could be connected to the row endpoint on a Scorecard.

There are limitations on the way different first-class element can be connected in a Dashboard:

First-class element	Can be a source?	Can be a destination?
Filter	Yes	No
Report View	No	Yes
Scorecard	Yes	Yes

- The connection cannot create a circular reference; a user cannot connect a scorecard to a filter that is already linked to the scorecard.
- A begin point is available if:
  - It is not already connected to another begin point or it is connected but its `AcceptMultipleFilterLinks` property is set to true.
  - It is not already connected to the begin point. If the dashboard item is a scorecard it can accept multiple connections from the same begin point.
- Unless the target item is a scorecard a user cannot make multiple connections from a begin point to a target.
- Although a scorecard can accept multiple connections from the same begin point, those connections cannot be to the same end point on the scorecard. In other words, a user can connect a filter to a scorecard's Row end point and its Column end point, but a user cannot connect a begin point to a scorecard's Row end point twice.

**Scorecard:** A report type that depicts organizational performance by displaying a collection of key performance indicators (KPIs) together with performance targets for those KPIs. A scorecard can be organized hierarchically.

**ReportView:** A visual display of data in a dashboard that can be coordinated with other report views by using filters.

**Filter:** A feature that enables users to modify dashboard views by changing the subset of data that is displayed in reports or scorecards.

**KPI (key performance indicator):** A predefined measure that is used to track performance of a strategic goal, objective, plan, initiative, or business process. A KPI is evaluated against a target. An explicit and measurable value taken directly from a data source.

**Indicator:** A set of graphics, text, and colors for defining different levels of performance when comparing an actual value and a target value within a KPI.



**DataSource:** A reference to a disk, file, document, or other collection of information from which data is taken or moved.

The server also maintains a collection of annotations.

**Annotation:** One of possibly several notations associated with a comment. Each comment is associated with a single cell in a scorecard and meant to provide related information about the value in that scorecard cell.

### 3.1.2 Timers

If a request exceeds a query timeout period, the server MUST return a SOAP FAULT response, which MUST contain the **Query Timeout**<2> ErrorCode as specified in section 2.2.2.1.

### 3.1.3 Initialization

A connection that uses the underlying protocol layers that are specified in section 1.4 MUST be established before using this protocol.

### 3.1.4 Message Processing Events and Sequencing Rules

The following table summarizes the list of WSDL operations as defined by this specification.

WSDL operation	Description
CreateAnnotation	Used to create an Annotation on the protocol server. Specified in [MS-PPSAS].
CreateDataSource	Used to create a DataSource on the protocol server. Specified in [MS-PPSAS].
CreateNavigationMetadata	This operation is used to generate a JavaScript representation of hierarchical <b>cube</b> metadata for a given <b>report data source</b> .
CreateReportHtml	This operation is used to generate an HTML fragment and associated JavaScript for a given <b>list item</b> .
DecompAutoExpand	Used to get additional node data for a specific node, where named actions are not known.
DecompCreateNavigationList	Returns a list of named actions for use with the <b>navigationItemUniqueName</b> element of the <b>Expand</b> operation. Specified in [MS-PPSDECO] (see <b>CreateNavigationList</b> ).
DecompExpand	Gets additional node data for a specific node, using a named action.
DecompGetMemberProperties	Returns properties associated with a specified node. Specified in [MS-PPSDECO] (see <b>GetMemberProperties</b> ).
DecompStartAnalyze	This operation is used to perform a drilldown query on an OLAP data cell.
DeleteAnnotation	Deletes an <b>Annotation</b> from the protocol server. Specified in [MS-PPSAS].

WSDL operation	Description
DeleteDataSource	Deletes a <b>DataSource</b> from the protocol server. Specified in [MS-PPSAS].
ExportReport	Retrieves a report formatted as specified in <a href="#">[MS-XLSX]</a> from the protocol server.
ExportScorecard	Retrieves a report formatted as specified in <a href="#">[MS-PPTX]</a> from the protocol server.
GenerateView	Generates the data structure that represents a scorecard grid view based on information stored on the server. Specified in [MS-PPSAS].
GenerateViewDirect	Generates the data structure that represents a scorecard grid view using information sent from the client. Specified in [MS-PPSAS].
GetAllAnnotationsByScorecardLocation	Retrieves an array of Annotation elements associated with a scorecard. Specified in [MS-PPSAS].
GetAnalyticReportView	Retrieves a report view from the protocol server that has been created through <b>SaveTemporaryAnalyticReport</b> or <b>CreateReportView</b> . Specified in [MS-PPSAS].
GetAnnotation	Retrieves an <b>annotation</b> associated with a scorecard <b>cell</b> from the protocol server. Specified in [MS-PPSAS].
GetAnnotationByID	Retrieves an <b>annotation</b> from a specified GUID from the protocol server. Specified in [MS-PPSAS].
GetAnnotationSetting	Retrieves an <b>AnnotationSetting</b> object that contains the annotation settings for the protocol server. Specified in [MS-PPSAS].
GetAsKpis	Takes in an <b>Analysis Services</b> data source along with a server-relative URL to the KPI list and returns a collection of KPIs as defined in ArrayOfKpi. Specified in [MS-PPSAS].
GetCube	Takes in a RepositoryLocation object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeFromDataSource	Takes in a data source object and returns the associated <b>Cube</b> object. Specified in [MS-PPSAS].
GetCubeMetaData	Takes in an Analysis Services <b>RepositoryLocation</b> object and returns the associated <b>Cube</b> object. Specified in [MS-PPSAS].
GetCubeMetaDataForDataSource	Takes in an Analysis Services data source object and returns the associated <b>Cube</b> object. Specified in [MS-PPSAS].
GetCubeNameInfos	Retrieves an ArrayOfNameInfo that describes the cubes of the data source. Specified in [MS-PPSAS].
GetDatabaseNamesFromDataSource	Retrieves an array of database names associated with the data source. Specified in [MS-PPSAS].

WSDL operation	Description
GetDataSource	Retrieves a data source. Specified in [MS-PPSAS].
GetDependentElements	Retrieves from the server all <b>FirstClassElements</b> associated with a list of repository locations. Specified in [MS-PPSAS].
GetDimensions	Retrieves an array of dimension objects. Specified in [MS-PPSAS].
GetDimensionsFromDataSource	Retrieves an array of dimension objects. Specified in [MS-PPSAS].
GetDrillThroughPreview	Used to perform a drill through <b>query</b> on an Analysis Services data cell.
GetFilterDependencies	Retrieves the required external dependencies for rendering a filter.
GetFilterDisplayData	Retrieves a <b>data table</b> of filter display data from the protocol server.
GetKpisFromScorecard	Retrieves an array of Kpi objects associated with a scorecard. Specified in [MS-PPSAS].
GetLatestAnalyticReportVersion	Retrieves from the protocol server the version number for a report view that has been created through <b>SaveTemporaryAnalyticReport</b> . Specified in [MS-PPSAS].
GetListItems	Retrieves all <b>FirstClassElements</b> associated with a given repository list from the server. Specified in [MS-PPSAS].
GetMdx	Retrieves an <b>MDX</b> expression that can be used to query data sources for the given analytic report. Analytic Chart and Analytic Grid report view types contain custom data that is used to generate MDX queries. Specified in [MS-PPSAS].
GetParameterDisplayData	Builds a template <b>DataTable</b> (empty DataTable) containing all the columns produced by a specific parameter type. The referred parameter represents a specific kind of connection between two Web Parts. The resulting <b>DataTable</b> represents an empty sample of the information that gets passed on that connection. Specified in [MS-PPSAS].
GetParameterMessageData	This operation retrieves a <b>DataTable</b> containing all of the selected values of a parameter.
GetPreviewDataSet	Retrieves a data set from a data source, which is suitable for previewing results. Specified in [MS-PPSAS].
GetQueryResultMembers	Retrieves an array of members associated with the specified report. Specified in [MS-PPSAS].
GetRegisteredCustomFCOs	Retrieves custom First Class Object (FCO) definitions registered on the server. Specified in [MS-PPSAS].

WSDL operation	Description
GetRenderControlPreview	Used when a control is HTML rendered directly to the report preview page that is render within the report designer. The report control preview rendering has its own enabled feature set. Additionally, the report control preview does not accept parameters from Web Part connections.
GetReportDependencies	Retrieves the required external dependencies for rendering a report.
GetReportViewImageData	Retrieves a report control image data. An analytic chart report is an example where its chart view image data is retrieved.
GetScorecardDependencies	Retrieves the required external dependencies for rendering a scorecard.
GetSetting	Retrieves a configuration setting.
GetSettings	Retrieves all configuration settings.
GetSettingValue	Retrieves the current value of a configuration setting.
GetStrategyMapReportView	This operation retrieves a report view from the server that has been created through <b>SaveTemporaryStrategyMapReport</b> .
MaintenanceJob	This operation is used to start maintenance tasks, such as database cleanup jobs.
QueryChildMembers	Uses a data source for the specified member and returns a collection of members. Specified in [MS-PPSAS].
QueryChildMembersByRangeFromDataSource	Queries the <b>DataSource</b> and returns a collection of child members. Specified in [MS-PPSAS].
QueryChildMembersFromDataSource	Uses the data source to retrieve a collection of child members for the specified member name. Specified in [MS-PPSAS].
QueryDimensionRootMembers	Uses a data source from the repository location for the specified member and returns a collection of root members. Specified in [MS-PPSAS].
QueryDimensionRootMembersFromDataSource	Uses the data source to retrieve a collection of root members for the specified member name. Specified in [MS-PPSAS].
QueryNamedSets	Retrieves the <b>named sets</b> that are defined by a data source when given the <b>RepositoryLocation</b> of the data source. Specified in [MS-PPSAS].
QueryNamedSetsFromDataSource	Retrieves the named sets that are defined by the given data source. Specified in [MS-PPSAS].
QueryRelatedMember	Retrieves a member that is related to the specified member by the specified relationship from the data source at the given <b>RepositoryLocation</b> . Specified in [MS-PPSAS].

WSDL operation	Description
QueryRelatedMemberFromDataSource	Queries the given data source for the member that is related to the specified member by the specified relationship. Specified in [MS-PPSAS].
QueryTimeIntelligence	Queries a data source location for the members that are specified by a time intelligence formula. Specified in [MS-PPSAS].
QueryTimeIntelligenceDirect	Queries a data source location for the members that are specified by a time intelligence formula. Specified in [MS-PPSAS].
QueryTransformMembers	Transforms a collection of members into a new set of member collection based on the operation passed on the transformation type parameter. Specified in [MS-PPSAS].
RenderFilter	Generates HTML <a href="#">HTML</a> for a specific filter stored on the protocol server. The protocol client specifies which filter is to be rendered, and other parameters that affect the result's HTML content.
RenderReport	Generates HTML markup for a specific report stored on the protocol server. The protocol client specifies which report is to be rendered, and other parameters that affect the result's HTML content.
RenderScorecard	Generates HTML markup for a specific scorecard stored on the protocol server. The protocol client specifies which scorecard is to be rendered, and other parameters that affect the result's HTML content.
RenderScorecardAjaxControl	This operation generates scorecard <b>Web control</b> HTML markup for a specific list item stored on the protocol server.
RenderTreeMemberSelector	This method is deprecated from the protocol and SHOULD NOT <a href="#">&lt;3&gt;</a> be used.
ReportSupportsExportFormat	Determines whether a report supports the specified export format
SaveFilterValues	Saves the state of the selections made for a given filter.
SaveTemporaryAnalyticReport	Stores a temporary copy of a report view to the server. Specified in [MS-PPSAS].
SaveTemporaryStrategyMapReport	This operation stores a temporary copy of a report view to the server.
ScorecardSupportsExportFormat	Determines whether a scorecard supports the specified export format.
TestConnection	Determines whether a connection as specified by the dataSource element can be established. Specified in [MS-PPSAS].
TrimAnnotationByOwner	Removes all the <b>annotations</b> that are owned by a specific user. Specified in [MS-PPSAS].

WSDL operation	Description
TrimAnnotationByScorecardLocation	Removes all the <b>annotations</b> that belong to a scorecard at a specific location. Specified in [MS-PPSAS].
TrimAnnotationUntouchedSince	Removes all the <b>annotations</b> that haven't been updated since the specified date. Specified in [MS-PPSAS].
UpdateAnnotation	Updates an existing Annotation. Specified in [MS-PPSAS].
UpdateDataSource	Updates an existing DataSource. Specified in [MS-PPSAS].
UpdateSettingValue	Modifies the current value of a configuration setting.
ValidateKpi	Determines whether a KPI stored on the server is valid. Specified in [MS-PPSAS].
ValidateScorecard	Determines whether a scorecard stored on the server is valid. Specified in [MS-PPSAS].
ValidateSiteCollection	Determines whether <b>context site</b> has the protocol server <b>feature</b> installed.

### 3.1.4.1 CreateNavigationMetadata

This operation is used to generate a JavaScript representation of hierarchical cube metadata for a given report data source.

```
<wsdl:operation name="CreateNavigationMetadata">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadata"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadataResponse"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends a **CreateNavigationMetadataSoapIn** request message and the protocol server responds with a **CreateNavigationMetadataSoapOut** response message.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP FAULT response, which MAY contain any subcode.

#### 3.1.4.1.1 Messages

The following **WSDL message** definitions are specific to this operation.

#### 3.1.4.1.1.1

#### IBIMonitoringServiceApplication\_CreateNavigationMetadata\_InputMessage

The request WSDL message for the **CreateNavigationMetadata** WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadata
```

The **SOAP body** contains the **CreateNavigationMetadata** element.

#### 3.1.4.1.1.2

#### IBIMonitoringServiceApplication\_CreateNavigationMetadata\_OutputMessage

The response WSDL message for the **CreateNavigationMetadata** WSDL operation.

The SOAP body contains the **CreateNavigationMetadataResponse** element.

#### 3.1.4.1.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.1.2.1 CreateNavigationMetadata

The input data for the **CreateNavigationMetadata** WSDL operation.

```
<xs:element name="CreateNavigationMetadata">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="metadataContextId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="metadataAction" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**targetControlId:** String that identifies the control the navigation is being created for.

**targetControlType:** SHOULD be "OlapMetadata", MUST NOT be NULL and MUST NOT be empty.

**olapContextId:** The name of the client-side OLAP context object variable.

**metadataContextId:** The name of the client-side view context object variable.

**reportLocation:** The location of a **ReportView** as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). It MUST be present. The **TypeName** attribute of the **ReportView** at the location specified MUST be "AnalyticChart" or "OLAPGrid".

**metadataAction:** SHOULD be **<Action type="GetCubeMetadata"></Action>**.

### 3.1.4.1.2.2 CreateNavigationMetadataResponse

The result data for the **CreateNavigationMetadata** WSDL operation.

```
<xs:element name="CreateNavigationMetadataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="CreateNavigationMetadataResult"
        type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**CreateNavigationMetadataResult:** A string value that is the script that fulfills the metadata request. For example, if the request is for cube metadata, the script returned would instantiate objects that would define the dimensions, hierarchies, and levels for the cube.

### 3.1.4.1.3 Complex Types

None.

### 3.1.4.1.4 Simple Types

None.

### 3.1.4.1.5 Attributes

None.

### 3.1.4.1.6 Groups

None.

### 3.1.4.1.7 Attribute Groups

None.

### 3.1.4.2 CreateReportHtml

This operation is used to generate an HTML fragment and associated JavaScript for a given list item.

```
<wsdl:operation name="CreateReportHtml">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtml"
    message="tns:IBIMonitoringServiceApplication_CreateReportHtml_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtmlResponse"
    message="tns:IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtmlBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage"
  />
```



</wsdl:operation>

The protocol client sends a **CreateReportHtmlSoapIn** request message and the protocol server responds with a **CreateReportHtmlSoapOut** response message.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP fault response, which MAY contain any subcode.

### 3.1.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.2.1.1 IBIMonitoringServiceApplication\_CreateReportHtml\_InputMessage

The request WSDL message for the **CreateReportHtml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtml
```

The SOAP body contains the **CreateReportHtml** element.

#### 3.1.4.2.1.2 IBIMonitoringServiceApplication\_CreateReportHtml\_OutputMessage

The response WSDL message for the **CreateReportHtml** WSDL operation.

The SOAP body contains the **CreateReportHtmlResponse** element.

### 3.1.4.2.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.2.2.1 CreateReportHtml

The input data for the **CreateReportHtml** WSDL operation.

```
<xs:element name="CreateReportHtml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="availableHeight" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="availableWidth" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation" type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="inboundParameters" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationAction" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewProps" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**proxyCacheAttempt:** Indicates whether to attempt to retrieve the report information from cache.

**targetControlId:** The identifier of the <Div> element that contains the resulting html.

**targetControlType:** The name of the report view type to be rendered. **TargetControlType** MUST be the value given for the **TypeName** attribute of the **ReportView** type ([\[MS-PPSAS\]](#)) that was specified when the **ReportView** was created.

**olapContextId:** The name of the client-side OLAP context object variable.

**availableHeight:** The available height of the control, as reported by the browser client.

**availableWidth:** The available width of the control, as reported by the browser client.

**reportLocation:** The report location of the report being rendered.

**inboundParameters:** An array of parameters passed to the control being rendered.

**navigationAction:** Xml that defines what the command is doing to the report being rendered.

**viewProps:** Information about the current state of the report.

**isAccessibilityMode:** Indicates whether the client is in accessibility mode.

#### 3.1.4.2.2.2 CreateReportHtmlResponse

The result data for the **CreateReportHtml** WSDL operation.

```
<xs:element name="CreateReportHtmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheKey" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheSubs"
type="tns:ArrayOfSubstitutionPair"/>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime"/>
      <xs:element minOccurs="0" maxOccurs="1" name="html" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="script" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheKey:** Specifies the cache key associated with the rendered scorecard. It MUST NOT be null. The empty value means the result was not cached.

**proxyCacheSubs:** The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCacheSubs** property specifies a list of value pairs (placeholder name and value for placeholder), as defined in ArrayOfSubstitutionPair (section [2.2.4.6](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

**html:** A string that SHOULD contain an HTML fragment if no errors occurred while retrieving the list item; otherwise, a string that SHOULD contain an error message.

**script:** If the operation was successful, MUST contain a JavaScript string that defines the report's metadata and user interaction; otherwise, MUST be empty.

#### 3.1.4.2.3 Complex Types

None.

#### 3.1.4.2.4 Simple Types

None.

#### 3.1.4.2.5 Attributes

None.

#### 3.1.4.2.6 Groups

None.

#### 3.1.4.2.7 Attribute Groups

None.

#### 3.1.4.3 DecompStartAnalyze

This operation is used to perform a drilldown query on an OLAP data cell.

```
<wsdl:operation name="DecompStartAnalyze">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyze"
    message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyzeResponse"
    message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyzeBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

If successful, this operation returns a non empty **DecompRenderResultRecord** record that contains data for a specific node in the form of a **DecompRenderResultLevel** and a **DecompRenderResultNode**.

#### 3.1.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.3.1.1 IBIMonitoringServiceApplication\_DecomStartAnalyze\_InputMessage

The request WSDL message for the **DecompStartAnalyze** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyze
```

The SOAP body contains the **DecompStartAnalyze** element.

#### 3.1.4.3.1.2

#### IBIMonitoringServiceApplication\_DecomStartAnalyze\_OutputMessage

The response WSDL message for the **DecompStartAnalyze** WSDL operation.

The SOAP body contains the **DecompStartAnalyzeResponse** element.

#### 3.1.4.3.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.3.2.1 DecompStartAnalyze

The input data for the **DecompStartAnalyze** WSDL operation.

```
<xs:element name="DecompStartAnalyze">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="type" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="location" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tupleRecord"
type="tns:DecompTupleRecord"/>
      <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewState" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**type:** Specifies the data source type. This element MUST be set to "olap", which means the **OLAP** type.

**location:** Specifies the First Class Object (FCO) location. This element MUST be a string identifying a session state known to the protocol server. It MUST NOT be null and MUST NOT be empty.

**tupleRecord:** Specifies named filters to be applied to the response. This element MUST be a **DecompTupleRecord** value. It MUST NOT be null.

**queryParameters:** Specifies the query parameters. This element MUST be a **DecompQueryParameters** value. It MUST NOT be null.

**viewState:** This element MAY be empty. If empty, this value is ignored. If non-empty, this value specifies additional information for the query.

### 3.1.4.3.2.2 DecompStartAnalyzeResponse

The result data for the **DecompStartAnalyze** WSDL operation.

```
<xs:element name="DecompStartAnalyzeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DecompStartAnalyzeResult"
        type="tns:DecompRenderResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**DecompStartAnalyzeResult:** A **DecompRenderResultRecord** value.

### 3.1.4.3.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.3.3.1 DecompTupleRecord

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

Specified in [\[MS-PPSDECO\]](#)

```
<xs:complexType name="DecompTupleRecord">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="RowSelections" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ColumnSelections"
      type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="BackgroundMeasureName" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**RowSelections:** MUST specify 0 or more filter names.

**ColumnSelections:** MUST specify 0 or more filter names.

**BackgroundMeasureName:** Specifies the associated **measure** name.

### 3.1.4.3.4 Simple Types

None.

### 3.1.4.3.5 Attributes

None.

### 3.1.4.3.6 Groups

None.

### 3.1.4.3.7 Attribute Groups

None.

### 3.1.4.4 ExportReport

Retrieves a report formatted as specified in [\[MS-XLSX\]](#) or [\[MS-PPTX\]](#) from the protocol server.

```
<wsdl:operation name="ExportReport">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReport" message="tns:IBIMonitoringServiceApplication_ExportReport_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReportResponse"
    message="tns:IBIMonitoringServiceApplication_ExportReport_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReportBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_ExportReport\_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication\_ExportReport\_OutputMessage** message as follows:

1. The protocol server receives a **JavaScript Object Notation (JSON)** [\[RFC4627\]](#) serialized string containing ExportSettings (see section [2.2.4.12](#)).
2. The protocol server receives the RepositoryLocation of a ReportView (specified in [\[MS-PPSAS\]](#)).
3. The protocol server receives a **WebPartContext** (see section [2.2.4.20](#)) containing the current context of the Web Part.
4. The protocol server MUST return OfficeExportInfo (see section [2.2.4.13](#)).

#### 3.1.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.4.1.1 IBIMonitoringServiceApplication\_ExportReport\_InputMessage

The request WSDL message for the **ExportReport** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReport
```

The SOAP body contains the **ExportReport** element.

##### 3.1.4.4.1.2 IBIMonitoringServiceApplication\_ExportReport\_OutputMessage

The response WSDL message for the **ExportReport** WSDL operation.

The SOAP body contains the **ExportReportResponse** element.

#### 3.1.4.4.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.4.2.1 ExportReport

The input data for the **ExportReport** WSDL operation.

```
<xs:element name="ExportReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q16:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**exportSettings:** A JSON [\[RFC4627\]](#) serialized string specified by ExportSettings (see section [2.2.4.12](#)) which lists all export settings. This element **MUST** be present.

**reportLocation:** The location of a report as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It **MUST** be present.

**webPartContext:** Specifies the current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

#### 3.1.4.4.2.2 ExportReportResponse

The result data for the **ExportReport** WSDL operation.

```
<xs:element name="ExportReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportReportResult" nillable="true"
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" type="q17:OfficeExportInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ExportReportResult:** The export result as specified by OfficeExportInfo (see section [2.2.4.13](#)).

#### 3.1.4.4.3 Complex Types

None.

#### 3.1.4.4.4 Simple Types

None.

#### 3.1.4.4.5 Attributes

None.

#### 3.1.4.4.6 Groups

None.

#### 3.1.4.4.7 Attribute Groups

None.

#### 3.1.4.5 ExportScorecard

Retrieves a report formatted as specified in [\[MS-XLSX\]](#) or [\[MS-PPTX\]](#) from the protocol server.

```
<wsdl:operation name="ExportScorecard">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecard"
    message="tns:IBIMonitoringServiceApplication_ExportScorecard_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecardResponse"
    message="tns:IBIMonitoringServiceApplication_ExportScorecard_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecardBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

**IBIMonitoringServiceApplication\_ExportScorecard\_InputMessage** request message and the protocol server responds with an

**IBIMonitoringServiceApplication\_ExportScorecard\_OutputMessage** message as follows:

1. The protocol server receives a JavaScript Object Notation (JSON) [\[RFC4627\]](#) serialized string containing ExportSettings (see section [2.2.4.12](#)).
2. The protocol server receives the RepositoryLocation (specified in [\[MS-PPSAS\]](#)) of a Scorecard specified in [\[MS-PPSAS\]](#).
3. The protocol server receives a **WebPartContext** (see section [2.2.4.20](#)) containing the current context of the Web Part.
4. The protocol server MUST return OfficeExportInfo (see section [2.2.4.13](#)).

#### 3.1.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.5.1.1 IBIMonitoringServiceApplication\_ExportScorecard\_InputMessage

The request WSDL message for the **ExportScorecard** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecard
```



The SOAP body contains the **ExportScorecard** element.

#### 3.1.4.5.1.2 IBIMonitoringServiceApplication\_ExportScorecard\_OutputMessage

The response WSDL message for the **ExportScorecard** WSDL operation.

The SOAP body contains the **ExportScorecardResponse** element.

#### 3.1.4.5.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.5.2.1 ExportScorecard

The input data for the **ExportScorecard** WSDL operation.

```
<xs:element name="ExportScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q18:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**exportSettings:** A JSON [RFC4627](#) serialized string specified by ExportSettings (see section [2.2.4.12](#)) which lists all export settings. It MUST be present.

**scorecardLocation:** The location of a scorecard, as specified by RepositoryLocation (specified in [MS-PPSAS](#)). It MUST be present.

**webPartContext:** Specifies the current context of the Web Part, as defined in WebPartContext (section [2.2.4.20](#)).

##### 3.1.4.5.2.2 ExportScorecardResponse

The result data for the **ExportScorecard** WSDL operation.

```
<xs:element name="ExportScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportScorecardResult" nillable="true"
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" type="q19:OfficeExportInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ExportScorecardResult:** The export result as specified by OfficeExportInfo (see section [2.2.4.13](#)).

### 3.1.4.5.3 Complex Types

None.

### 3.1.4.5.4 Simple Types

None.

### 3.1.4.5.5 Attributes

None.

### 3.1.4.5.6 Groups

None.

### 3.1.4.5.7 Attribute Groups

None.

### 3.1.4.6 GetDrillThroughPreview

This operation is used to perform a drill through query on an OLAP data cell.

```
<wsdl:operation name="GetDrillThroughPreview">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreview"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreviewResponse"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreviewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

This operation executes an OLAP query using the cell definition provided with the *tupleXml* element to return a table of results.

#### 3.1.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.6.1.1

#### **IBIMonitoringServiceApplication\_GetDrillThroughPreview\_InputMessage**

The request WSDL message for the **GetDrillThroughPreview** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetDrillThroughPreview** element.

#### 3.1.4.6.1.2

#### **IBIMonitoringServiceApplication\_GetDrillThroughPreview\_OutputMessage**

The response WSDL message for the **GetDrillThroughPreview** WSDL operation.

The SOAP body contains the **GetDrillThroughPreviewResponse** element.

#### 3.1.4.6.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.6.2.1 GetDrillThroughPreview

The input data for the **GetDrillThroughPreview** WSDL operation.

```
<xs:element name="GetDrillThroughPreview">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isScorecard" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="page" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tupleXml" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="resultTableIndex" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isAccessibleMode" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**fcoLocation:** The location of the report on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element **MUST** be present.

**isScorecard:** If "true", specifies that the request originated from a scorecard view.

**page:** This value can specify one of three things.

1. It can be set to a value specifying which page of data to return with the results. For example, a value of "1" returns the first page of data.
2. It can be set to a value of "0", which returns all of the data.
3. It can be set to "Excel" which exports the data to the format specified in [\[MS-XLSX\]](#). If set to "Excel" the result elements of *officeDocumentBytes* and *documentFileName* return with the exported results. **MUST NOT** be NULL and **MUST NOT** be empty.

**tupleXml:** Specifies specific named filters to be applied to the results. **MUST NOT** be NULL and **MUST NOT** be empty.

**resultTableIndex:** Could be empty. If empty, this value is ignored. If not empty, this value indicates that this operation is being used to retrieve a drill through cell level action. This value is

zero based and specifies the index of the drill through action associated with this cell. For example, a value of "0" returns the first drill through cell level action.

**isAccessibleMode:** Indicates whether the client is in accessibility mode.

#### 3.1.4.6.2.2 GetDrillThroughPreviewResponse

The result data for the **GetDrillThroughPreview** WSDL operation.

```
<xs:element name="GetDrillThroughPreviewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetDrillThroughPreviewResult"
type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="officeDocumentBytes"
type="xs:base64Binary"/>
      <xs:element minOccurs="0" maxOccurs="1" name="documentFileName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetDrillThroughPreviewResult:** The html [\[HTML\]](#) content to be rendered on the client.

**title:** If the *page* element is NOT set to "Excel", this value is a brief description of the query to be used as a title. If the *page* element is set to "Excel", this value is empty.

**officeDocumentBytes:** If the *page* element is set to "Excel", this value contains results in the format specified in [\[MS-XLSX\]](#). If the *page* element is not set to "Excel", this value is empty.

**documentFileName:** If the *page* element is set to "Excel", this value contains the name of the [MS-XLSX] formatted file. If the *page* element is not set to "Excel", this value is null.

#### 3.1.4.6.3 Complex Types

None.

#### 3.1.4.6.4 Simple Types

None.

#### 3.1.4.6.5 Attributes

None.

#### 3.1.4.6.6 Groups

None.

#### 3.1.4.6.7 Attribute Groups

None.

### 3.1.4.7 GetFilterDependencies

This operation retrieves the required external dependencies for rendering a filter.

```
<wsdl:operation name="GetFilterDependencies">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependencies"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependenciesResponse"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependenciesBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetFilterDependencies\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetFilterDependencies\_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** referencing the **Filter** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.16](#)) containing the resources needed for rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.2.1](#).

#### Exceptions:

ErrorCode	Description
CreateReturnedNull	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.
NotAParameterizableControl	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

#### 3.1.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.7.1.1

#### **IBIMonitoringServiceApplication\_GetFilterDependencies\_InputMessage**

The request WSDL message for the **GetFilterDependencies** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependencies>

The SOAP body contains the **GetFilterDependencies** element.

#### 3.1.4.7.1.2

##### **IBIMonitoringServiceApplication\_GetFilterDependencies\_OutputMessage**

The response WSDL message for the **GetFilterDependencies** WSDL operation.

The SOAP body contains the **GetFilterDependenciesResponse** element.

#### 3.1.4.7.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.7.2.1 **GetFilterDependencies**

The input data for the **GetFilterDependencies** WSDL operation.

```
<xs:element name="GetFilterDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterLocation:** The location of the **Filter** on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element **MUST** be present, and the **ItemUrl** property of this element **MUST NOT** be empty.

##### 3.1.4.7.2.2 **GetFilterDependenciesResponse**

The result data for the **GetFilterDependencies** WSDL operation.

```
<xs:element name="GetFilterDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFilterDependenciesResult:** The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.16](#)).

#### 3.1.4.7.3 Complex Types

None.

#### 3.1.4.7.4 Simple Types

None.

### 3.1.4.7.5 Attributes

None.

### 3.1.4.7.6 Groups

None.

### 3.1.4.7.7 Attribute Groups

None.

### 3.1.4.8 GetFilterDisplayData

This operation retrieves a data table of filter display data from the protocol server.

```
<wsdl:operation name="GetFilterDisplayData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayData"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an IBIMonitoringServiceApplication\_GetFilterDisplayData\_InputMessage request message and the protocol server responds with an IBIMonitoringServiceApplication\_GetFilterDisplayData\_OutputMessage message as follows:

1. The protocol server receives the input data for a **GetFilterDisplayData** WSDL operation as specified in section [3.1.4.8.2.1](#).
2. The protocol server creates the DataTable using the Filter ([\[MS-PPSAS\] section 2.2.4.98](#)) data source and **SubTypeId** referenced by **filterLocation**, and the GridViewData ([\[MS-PPSAS\] section 2.2.4.121](#)) referenced by **customData**.

Exceptions:

ErrorCode	Description
FCORReadFailed	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.
FCORReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.8.1.1 IBIMonitoringServiceApplication\_GetFilterDisplayData\_InputMessage

The request WSDL message for the **GetFilterDisplayData** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayData
```

The SOAP body contains the **GetFilterDisplayData** element.

#### 3.1.4.8.1.2

#### IBIMonitoringServiceApplication\_GetFilterDisplayData\_OutputMessage

The response WSDL message for the **GetFilterDisplayData** WSDL operation.

The SOAP body contains the **GetFilterDisplayDataResponse** element.

### 3.1.4.8.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.8.2.1 GetFilterDisplayData

The input data for the **GetFilterDisplayData** WSDL operation.

```
<xs:element name="GetFilterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selections" type="tns:ArrayOfString"/>
      <xs:element minOccurs="1" maxOccurs="1" name="useSavedUserSelections"
type="xs:boolean"/>
      <xs:element minOccurs="1" maxOccurs="1" name="selectionsOnly" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="tns:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterLocation:** A RepositoryLocation as specified in [\[MS-PPSAS\]](#). This MUST be present and contain the location of a **Filter**.

**parameterDefinition:** Specifies the ParameterDefinition as specified in [MS-PPSAS]. It MUST not be null and the property ParameterProviderId MUST refer to one of the **Filter** parameter data providers registered on the server.



**selections:** A **List** of the current user selections. This value is optional and has a default value of null.

**useSavedUserSelections:** If **selections** is empty, this **Boolean** value specifies whether saved user selections MUST be returned.

**selectionsOnly:** A Boolean value that specifies whether display data MUST be returned solely for **selections**.

**webPartContext:** Specifies the current context of the Web Part, as defined in WebPartContext (section [2.2.4.20](#)).

#### 3.1.4.8.2.2 GetFilterDisplayDataResponse

The result data for the **GetFilterDisplayData** WSDL operation.

```
<xs:element name="GetFilterDisplayDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDisplayDataResult">
        <xs:complexType>
          <xs:sequence>
            <xs:any minOccurs="0" maxOccurs="unbounded"
              namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
              processContents="lax"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFilterDisplayDataResult:** Specifies the contents of a DataTable object representing the requested Filter display data containing all the columns produced by the specific Filter parameter type.

#### 3.1.4.8.3 Complex Types

None.

#### 3.1.4.8.4 Simple Types

None.

#### 3.1.4.8.5 Attributes

None.

#### 3.1.4.8.6 Groups

None.

### 3.1.4.8.7 Attribute Groups

None.

### 3.1.4.9 GetParameterMessageData

This operation retrieves a DataTable containing all of the selected values of a parameter.

```
<wsdl:operation name="GetParameterMessageData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageData"
    message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an IBIMonitoringServiceApplication\_GetParameterMessageData\_InputMessage request message and the protocol server responds with an IBIMonitoringServiceApplication\_GetParameterMessageData\_OutputMessage message as follows:

1. The protocol server receives the input data for a GetParameterMessageData WSDL operation as specified in section [3.1.4.9.2.1](#).
2. The protocol server creates a DataTable that contains the columns specified by the parameter type and a row for each selection of the parameter.

Exceptions:

ErrorCode	Description
DataSourceConnectionFailed	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
FCOReadFailed	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
FCOReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
InvalidPermission	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
InvalidPostFormula	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
OperationContextNull	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
ParameterDataProviderNotRegistered	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
PostFormulaResultEmpty	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.
Unknown	See section <a href="#">2.2.2.1.3</a> for the common list of error codes.

In case of any failure, the **ErrorCode** MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.9.1.1

##### **IBIMonitoringServiceApplication\_GetParameterMessageData\_InputMessage**

The request WSDL message for the **GetParameterMessageData** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageData
```

The SOAP body contains the **GetParameterMessageData** element.

#### 3.1.4.9.1.2

##### **IBIMonitoringServiceApplication\_GetParameterMessageData\_OutputMessage**

The response WSDL message for the **GetParameterMessageData** WSDL operation.

The SOAP body contains the **GetParameterMessageDataResponse** element.

### 3.1.4.9.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.9.2.1 GetParameterMessageData

The input data for the **GetParameterMessageData** WSDL operation.

```
<xs:element name="GetParameterMessageData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="providerLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="parameterMessage" nillable="true"
xmlns:q43="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q43:ParameterMessage"/>
      <xs:element minOccurs="0" name="parameterSourceLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="parameterMapping" nillable="true"
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q44:ParameterMapping"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q45="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q45:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**providerLocation:** The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.162.

**parameterMessage:** The parameter message as specified by ParameterMessage (section [2.2.4.14](#)). The value MUST NOT be null.

**parameterSourceLocation:** The parameter provider's data source location as specified in [\[MS-PPSAS\]](#) section 2.2.4.162.

**parameterMapping:** The mapping between the parameter and the consumer Web Part is specified by **ParameterMapping** ([\[MS-PPSAS\]](#) section 2.2.4.157).

**webPartContext:** Specifies the current content of the Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

### 3.1.4.9.2.2 GetParameterMessageDataResponse

The result data for the **GetParameterMessageData** WSDL operation.

```
<xs:element name="GetParameterMessageDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetParameterMessageDataResult" nillable="true">
        <xs:complexType>
          <xs:sequence>
            <xs:any minOccurs="0" maxOccurs="unbounded"
              namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
              processContents="lax"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetParameterMessageDataResult:** Specifies a DataTable containing all of the selected values of a parameter.

### 3.1.4.9.3 Complex Types

None.

### 3.1.4.9.4 Simple Types

None.

### 3.1.4.9.5 Attributes

None.

### 3.1.4.9.6 Groups

None.

### 3.1.4.9.7 Attribute Groups

None.

### 3.1.4.10 GetRemainingParameterDisplayData

The **GetRemainingParameterDisplayData** operation [<4>](#) retrieves an object of type **ParameterGetRemainingResultRecord** (section [3.1.4.10.3.1](#)) that contains the filter's display data values beyond the limit setting imposed by the protocol server. The limit setting is specified by the **TreeViewControlMaxNumRecordsToRender** key in section [2.2.4.18](#).

```
<wsdl:operation name="GetRemainingParameterDisplayData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayData"
    message="tns:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetRemainingParameterDisplayData\_InputMessage** (section [3.1.4.10.1.1](#)) request message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetRemainingParameterDisplayData\_OutputMessage** (section [3.1.4.10.1.2](#)) message as follows:

1. The protocol server receives the input data for a **GetRemainingParameterDisplayData** WSDL operation as specified in section [3.1.4.10.2.1](#).
2. The protocol server creates the **ParameterGetRemainingResultRecord** (section [2.2.4.98](#)) using the **Filter** ([\[MS-PPSAS\]](#) section 2.2.4.99) data source and **SubTypeId** ([\[MS-PPSAS\]](#) section 2.2.4.98) referenced by **parameterLocation** (section [3.1.4.10.2.1](#)), and the **WebPartContext** (section [2.2.4.20](#)) referenced by **webPartContext** (section [3.1.4.10.2.1](#)).

The following table lists possible error codes for the **GetRemainingParameterDisplayData** operation.

Error code	Description
FCOReadFailed	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.

If a failure occurs, the error code MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

#### 3.1.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.10.1.1

##### **IBIMonitoringServiceApplication\_GetRemainingParameterDisplayData\_InputMessage**

The request WSDL message for the **GetRemainingParameterDisplayData** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayData
```

The SOAP body contains the **GetRemainingParameterDisplayData** element.

#### 3.1.4.10.1.2

##### **IBIMonitoringServiceApplication\_GetRemainingParameterDisplayData\_OutputMessage**

The response WSDL message for the **GetRemainingParameterDisplayData** WSDL operation.

The SOAP body contains the **GetRemainingParameterDisplayDataResponse** element.

#### 3.1.4.10.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.10.2.1 **GetRemainingParameterDisplayData**

The input data for the **GetRemainingParameterDisplayData** WSDL operation.

```
<xs:element name="GetRemainingParameterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q34="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q34:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterLocation:** The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

**webPartContext:** The current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

##### 3.1.4.10.2.2 **GetRemainingParameterDisplayDataResponse**

The result data for the **GetRemainingParameterDisplayData** WSDL operation.

```
<xs:element name="GetRemainingParameterDisplayDataResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element minOccurs="0" name="GetRemainingParameterDisplayDataResult" nillable="true"
xmlns:q35="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon" type="q35:ParameterGetRemainingResultRecord"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**GetRemainingParameterDisplayDataResult:** A **ParameterGetRemainingResultRecord** value.

### 3.1.4.10.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

#### 3.1.4.10.3.1 ParameterGetRemainingResultRecord

**Namespace:**

http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon

The **ParameterGetRemainingResultRecord** complex type contains a string which represents an array of filter's display data values.

```

<xs:complexType name="ParameterGetRemainingResultRecord">
  <xs:sequence>
    <xs:element name="_members" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**\_members:** A JavaScript Object Notation (JSON) [\[RFC4627\]](#) serialized string specifying an array of objects that represent the member nodes displayed by the tree view control.

#### 3.1.4.10.4 Simple Types

None.

#### 3.1.4.10.5 Attributes

None.

#### 3.1.4.10.6 Groups

None.

#### 3.1.4.10.7 Attribute Groups

None.

#### 3.1.4.11 GetRemainingSearchResults

The **GetRemainingSearchResults** operation [<5>](#) retrieves an object of type **ParameterSearchResultRecord** (section [2.2.4.15](#)) which contains the search result values beyond the limit setting imposed by the protocol server. The limit setting is specified by the **TreeViewControlMaxNumRecordsToRender** key in section [2.2.4.18](#).

```

<wsdl:operation name="GetRemainingSearchResults">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResults"
    message="tns:IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResultsResponse"
    message="tns:IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResultsBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetRemainingSearchResults_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends an

**IBIMonitoringServiceApplication\_GetRemainingSearchResults\_InputMessage** (section [3.1.4.11.1.1](#)) request message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetRemainingSearchResults\_OutputMessage** (section [3.1.4.11.1.2](#)) message as follows:

1. The protocol server receives the input data for a **GetRemainingSearchResults** WSDL operation as specified in section [3.1.4.11](#).
2. The protocol server creates the **ParameterSearchResultRecord** using the **Filter** ([\[MS-PPSAS\]](#) section 2.2.4.99) data source and **SubTypeId** ([\[MS-PPSAS\]](#) section 2.2.4.85) referenced by **parameterLocation** (section [3.1.4.11.2.1](#)), the string referenced by **searchTerm** (section [3.1.4.11.2.1](#)) and the **WebPartContext** (section [2.2.4.20](#)) referenced by **webPartContext** (section [3.1.4.11.2.1](#)).

The following table lists possible error codes for the **GetRemainingSearchResults** operation.

Error code	Description
FCORReadFailed	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.
FCORReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.

If a failure occurs, the error code MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.11.1.1

#### **IBIMonitoringServiceApplication\_GetRemainingSearchResults\_InputMessage**

The request WSDL message for the **GetRemainingSearchResults** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResults

```



The SOAP body contains the **GetRemainingSearchResults** element.

#### 3.1.4.11.1.2

##### **IBIMonitoringServiceApplication\_GetRemainingSearchResults\_OutputMessage**

The response WSDL message for the **GetRemainingSearchResults** WSDL operation.

The SOAP body contains the **GetRemainingSearchResultsResponse** element.

#### 3.1.4.11.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.11.2.1 **GetRemainingSearchResults**

The input data for the **GetRemainingSearchResults** WSDL operation.

```
<xs:element name="GetRemainingSearchResults">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q36="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q36:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterLocation:** The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

**searchTerm:** A string representing a word or phrase that will be used to search the parameter's display data.

**webPartContext:** Specifies the current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

##### 3.1.4.11.2.2 **GetRemainingSearchResultsResponse**

The result data for the **GetRemainingSearchResults** WSDL operation.

```
<xs:element name="GetRemainingSearchResultsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetRemainingSearchResultsResult" nillable="true"
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon"
type="q37:ParameterSearchResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetRemainingSearchResultsResult:** A **ParameterSearchResultRecord** (section [2.2.4.15](#)) value.

### 3.1.4.11.3 Complex Types

None.

### 3.1.4.11.4 Simple Types

None.

### 3.1.4.11.5 Attributes

None.

### 3.1.4.11.6 Groups

None.

### 3.1.4.11.7 Attribute Groups

None.

### 3.1.4.12 GetRenderControlPreview

This method is used when a control is HTML rendered directly to the report preview page that is render within the report designer. The report control preview rendering has its own enabled feature set. Additionally, the report control preview does not accept parameters from Web Part connections.

```
<wsdl:operation name="GetRenderControlPreview">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetRenderControlPreview"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetRenderControlPreviewResponse"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetRenderControlPreviewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultM
    essage"/>
</wsdl:operation>
```

The protocol client sends a **GetRenderControlPreviewSoapIn** request and the protocol server responds with a **GetRenderControlPreviewSoapOut** message as follows:

1. The protocol client sends a temporary First Class Object (FCO) RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report control to be rendered.
2. Define a set of report control render properties that affect the generated HTML.
3. In the case where a render exception occurs, an HTML error message is the rendered HTML.
4. A report control supports paging data when the results are too large. Paging means the result data is rendered in separate parts. Each part can be request to be rendered.
5. The protocol server sends the corresponding report control rendered HTML.

In the case of a failure other than a render exception, the **ErrorCode** MUST be one of the values specified in [MS-PPSAS].

### 3.1.4.12.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.12.1.1

##### **IBIMonitoringServiceApplication\_GetRenderControlPreview\_InputMessage**

The request WSDL message for the **GetRenderControlPreview** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreview
```

The SOAP body contains the **GetRenderControlPreview** element.

#### 3.1.4.12.1.2

##### **IBIMonitoringServiceApplication\_GetRenderControlPreview\_OutputMessage**

The response WSDL message for the **GetRenderControlPreview** WSDL operation.

The SOAP body contains the **GetRenderControlPreviewResponse** element.

### 3.1.4.12.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.12.2.1 GetRenderControlPreview

The input data for the **GetRenderControlPreview** WSDL operation.

```
<xs:element name="GetRenderControlPreview">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="width" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="height" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="nav" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isDesigner" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="pageQuery" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**fcoLocation:** A RepositoryLocation as specified in [\[MS-PPSAS\]](#) MUST be present.

**viewType:** The strong **assembly name** of the report control implementation. This is used to create a new web control instance.

**width:** The width of the report control HTML render HTML markup.

**height:** The height of the report control HTML render HTML markup.

**nav:** MUST NOT be used.

**isDesigner:** The value "true" means the report control is hosted by the report designer and changes the generated HTML.

**pageQuery:** When the report control supports data result paging, this defines the currently rendered data result.

#### 3.1.4.12.2.2 GetRenderControlPreviewResponse

The result data for the **GetRenderControlPreview** WSDL operation.

```
<xs:element name="GetRenderControlPreviewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRenderControlPreviewResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetRenderControlPreviewResult:** The report control rendered HTML markup.

#### 3.1.4.12.3 Complex Types

None.

#### 3.1.4.12.4 Simple Types

None.

#### 3.1.4.12.5 Attributes

None.

#### 3.1.4.12.6 Groups

None.

#### 3.1.4.12.7 Attribute Groups

None.

#### 3.1.4.13 GetReportDependencies

This operation retrieves the required external dependencies for rendering a report.

```
<wsdl:operation name="GetReportDependencies">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependencies"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_InputMessage"/>
```

```

    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMes
sage"/>
</wsdl:operation>

```

The protocol client sends an **IBIMonitoringServiceApplication\_GetReportDependencies\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetReportDependencies\_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** (specified in [\[MS-PPSAS\]](#).) referencing the **ReportView** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.16](#)) containing the resources needed for proper rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.2.1](#).

#### Exceptions:

ErrorCode	Description
CreateReturnedNull	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.
NotAParameterizableControl	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

### 3.1.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.13.1.1

#### **IBIMonitoringServiceApplication\_GetReportDependencies\_InputMessage**

The request WSDL message for the **GetReportDependencies** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportDependencies

```

The SOAP body contains the **GetReportDependencies** element.

#### 3.1.4.13.1.2

#### **IBIMonitoringServiceApplication\_GetReportDependencies\_OutputMessage**

The response WSDL message for the **GetReportDependencies** WSDL operation.

The SOAP body contains the **GetReportDependenciesResponse** element.

### 3.1.4.13.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.13.2.1 GetReportDependencies

The input data for the **GetReportDependencies** WSDL operation.

```
<xs:element name="GetReportDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**reportLocation:** The location of the ReportView (specified in [\[MS-PPSAS\]](#)) on the protocol server as specified by RepositoryLocation ([MS-PPSAS]). This element MUST be present, and the ItemUrl property of this element MUST NOT be empty.

#### 3.1.4.13.2.2 GetReportDependenciesResponse

The result data for the **GetReportDependencies** WSDL operation.

```
<xs:element name="GetReportDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetReportDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetReportDependenciesResult:** The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.16](#)).

### 3.1.4.13.3 Complex Types

None.

### 3.1.4.13.4 Simple Types

None.

### 3.1.4.13.5 Attributes

None.

### 3.1.4.13.6 Groups

None.

### 3.1.4.13.7 Attribute Groups

None.

### 3.1.4.14 GetReportViewImageData

A request to retrieve a report control image data. An analytic chart report is an example where its chart view image data is retrieved.

```
<wsdl:operation name="GetReportViewImageData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageData"
    message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetReportViewImageData\_InputMessage** request and the protocol server responds with an **IBIMonitoringServiceApplication\_GetReportViewImageData\_OutputMessage** message as follows:

1. The protocol client sends a temporary First Class Object (FCO) RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report control to be rendered.
2. The report control view image data cache key.
3. The image height and width.
4. The starting x-axis column and the number of column data to return.
5. In the case where a render exception occurs, an empty view image data is returned.
6. The protocol server sends the corresponding report control view image data.

In case of failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.3](#).

#### 3.1.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.14.1.1

#### **IBIMonitoringServiceApplication\_GetReportViewImageData\_InputMessage**

The request WSDL message for the **GetReportViewImageData** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetReportViewImageData** element.

#### 3.1.4.14.1.2

#### **IBIMonitoringServiceApplication\_GetReportViewImageData\_OutputMessage**

The response WSDL message for the **GetReportViewImageData** WSDL operation.

The SOAP body contains the **GetReportViewImageDataResponse** element.

#### 3.1.4.14.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.14.2.1 **GetReportViewImageData**

The input data for the **GetReportViewImageData** WSDL operation.

```
<xs:element name="GetReportViewImageData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="externalkey" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tempFcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="1" maxOccurs="1" name="height" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="width" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="colStart" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="colCount" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheAttempt:** Specifies whether the render operation SHOULD use the proxy cache.

**externalkey:** A unique value combined with the user's identity to identify the generated report.

**tempFcoLocation:** A temporary First Class Object (FCO) RepositoryLocation as specified in [\[MS-PPSAS\]](#). MUST be present.

**height:** The height of the report control view image data.

**width:** The width of the report control view image data.

**colStart:** The starting x-axis column for the returned report control view image data. This number is zero-based.

**colCount:** The number of data columns to include in the view image data result.

##### 3.1.4.14.2.2 **GetReportViewImageDataResponse**

The result data for the **GetReportViewImageData** WSDL operation.



```

<xs:element name="GetReportViewImageDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="GetReportViewImageDataResult"
type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime"/>
      <xs:element minOccurs="0" maxOccurs="1" name="mimeType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewHtml" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="bytesImageData" type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetReportViewImageDataResult:** True means the report view image data is defined.

**key:** A unique value identifying the generated report.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

**mimeType:** The report control view image **MIME** type. The value is "image/png" or "text".

**viewHtml:** The data image is only defined when the MIME type is "text".

**bytesImageData:** The report view image data as a byte array. This data is defined when the MIME type is not "text".

### 3.1.4.14.3 Complex Types

None.

### 3.1.4.14.4 Simple Types

None.

### 3.1.4.14.5 Attributes

None.

### 3.1.4.14.6 Groups

None.

### 3.1.4.14.7 Attribute Groups

None.

### 3.1.4.15 GetScorecardDependencies

This operation retrieves the required external dependencies for rendering a scorecard.

```

<wsdl:operation name="GetScorecardDependencies">

```

```

    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependencies"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage"/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_Fault
Message"/>
</wsdl:operation>

```

The protocol client sends an **IBIMonitoringServiceApplication\_GetScorecardDependencies\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetScorecardDependencies\_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)) referencing the **Scorecard** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.16](#)) containing the resources needed for proper rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.2.1](#).

#### Exceptions:

Error Code	Description
CreateReturnedNull	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.
NotAParameterizableControl	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

### 3.1.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.15.1.1

#### **IBIMonitoringServiceApplication\_GetScorecardDependencies\_InputMessage**

The request WSDL message for the **GetScorecardDependencies** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetScore
cardDependencies

```

The SOAP body contains the **GetScorecardDependencies** element.

### 3.1.4.15.1.2

#### **IBIMonitoringServiceApplication\_GetScorecardDependencies\_OutputMessage**

The response WSDL message for the **GetScorecardDependencies** WSDL operation.

The SOAP body contains the **GetScorecardDependenciesResponse** element.

### 3.1.4.15.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.15.2.1 **GetScorecardDependencies**

The input data for the **GetScorecardDependencies** WSDL operation.

```
<xs:element name="GetScorecardDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**scorecardLocation:** The location of the **Scorecard** (specified in [\[MS-PPSAS\]](#)) on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element MUST be present, and the **ItemUrl** property of this element MUST NOT be empty.

#### 3.1.4.15.2.2 **GetScorecardDependenciesResponse**

The result data for the **GetScorecardDependencies** WSDL operation.

```
<xs:element name="GetScorecardDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetScorecardDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetScorecardDependenciesResult:** The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.16](#)).

### 3.1.4.15.3 Complex Types

None.

### 3.1.4.15.4 Simple Types

None.

### 3.1.4.15.5 Attributes

None.

### 3.1.4.15.6 Groups

None.

### 3.1.4.15.7 Attribute Groups

None.

### 3.1.4.16 GetSetting

This method retrieves a configuration setting.

```
<wsdl:operation name="GetSetting">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSetting" message="tns:IBIMonitoringServiceApplication_GetSetting_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingResponse"
    message="tns:IBIMonitoringServiceApplication_GetSetting_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetSetting\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetSetting\_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the setting to the retrieved.
2. The protocol server responds with the corresponding configuration setting.

#### Exceptions:

ErrorCode	Description
Unknown	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.16.1.1 IBIMonitoringServiceApplication\_GetSetting\_InputMessage

The request WSDL message for the **GetSetting** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSetting>

The SOAP body contains the **GetSetting** element.

#### 3.1.4.16.1.2 IBIMonitoringServiceApplication\_GetSetting\_OutputMessage

The response WSDL message for the **GetSetting** WSDL operation.

The SOAP body contains the **GetSettingResponse** element.

#### 3.1.4.16.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.16.2.1 GetSetting

The input data for the **GetSetting** WSDL operation.

```
<xs:element name="GetSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**key:** A unique value identifying the setting to be retrieved. The value **MUST** be one of the keys listed in section [2.2.4.18](#).

##### 3.1.4.16.2.2 GetSettingResponse

The result data for the **GetSetting** WSDL operation.

```
<xs:element name="GetSettingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingResult" type="tns:Setting"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSettingResult:** The current configuration setting, as specified in section [2.2.4.18](#). **Key** **MUST** be equal to the requested key. **Type** **MUST** be the **SettingType** corresponding to the key. **Value** **MUST NOT** be null.

#### 3.1.4.16.3 Complex Types

None.

#### 3.1.4.16.4 Simple Types

None.

### 3.1.4.16.5 Attributes

None.

### 3.1.4.16.6 Groups

None.

### 3.1.4.16.7 Attribute Groups

None.

### 3.1.4.17 GetSettings

This method retrieves all configuration settings (see section [2.2.4.18](#)).

```
<wsdl:operation name="GetSettings">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettings" message="tns:IBIMonitoringServiceApplication_GetSettings_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingsResponse"
    message="tns:IBIMonitoringServiceApplication_GetSettings_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingsBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetSettings\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetSettings\_OutputMessage** response message as follows:

1. The protocol client sends the request.
2. The protocol server responds with the collection of settings (see section [2.2.4.18](#)).

#### Exceptions:

ErrorCode	Description
Unknown	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.17.1.1 IBIMonitoringServiceApplication\_GetSettings\_InputMessage

The request WSDL message for the **GetSettings** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettings>

The SOAP body contains the **GetSettings** element.

#### 3.1.4.17.1.2 IBIMonitoringServiceApplication\_GetSettings\_OutputMessage

The response WSDL message for the **GetSettings** WSDL operation.

The SOAP body contains the **GetSettingsResponse** element.

#### 3.1.4.17.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.17.2.1 GetSettings

The input data for the **GetSettings** WSDL operation.

```
<xs:element name="GetSettings">
  <xs:complexType/>
</xs:element>
```

##### 3.1.4.17.2.2 GetSettingsResponse

The result data for the **GetSettings** WSDL operation.

```
<xs:element name="GetSettingsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingsResult"
type="tns:ArrayOfSetting"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetSettingsResult:** The current configuration settings, as specified in section [3.1.4.17.3.1](#). For each **Setting** in the array:

- **Key** MUST be equal to the key specified in [2.2.4.18](#).
- **Type** MUST be the **SettingType** corresponding to the key.
- **Value** MUST NOT be null.

#### 3.1.4.17.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

##### 3.1.4.17.3.1 ArrayOfSetting

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

The ArrayOfSetting complex type defines an array of Setting (section [2.2.4.18](#)) complex type.

```
<xs:complexType name="ArrayOfSetting">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Setting" nillable="true"
      type="tns:Setting"/>
  </xs:sequence>
</xs:complexType>
```

**Setting:** This element MUST NOT be null and MUST conform to the schema of the Setting (section [2.2.4.18](#)) complex type.

#### 3.1.4.17.4 Simple Types

None.

#### 3.1.4.17.5 Attributes

None.

#### 3.1.4.17.6 Groups

None.

#### 3.1.4.17.7 Attribute Groups

None.

#### 3.1.4.18 GetSettingValue

This method retrieves the current value of a configuration setting.

```
<wsdl:operation name="GetSettingValue">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValue"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValueResponse"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValueBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_GetSettingValue\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_GetSettingValue\_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the setting to be retrieved.
2. The protocol server responds with the string value of the corresponding setting.



## Exceptions:

ErrorCode	Description
Unknown	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.3](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.18.1.1 IBIMonitoringServiceApplication\_GetSettingValue\_InputMessage

The request WSDL message for the **GetSettingValue** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValue
```

The SOAP body contains the **GetSettingValue** element.

#### 3.1.4.18.1.2 IBIMonitoringServiceApplication\_GetSettingValue\_OutputMessage

The response WSDL message for the **GetSettingValue** WSDL operation.

The SOAP body contains the **GetSettingValueResponse** element.

### 3.1.4.18.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.18.2.1 GetSettingValue

The input data for the **GetSettingValue** WSDL operation.

```
<xs:element name="GetSettingValue">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**key:** A unique value identifying the setting to be retrieved. The value MUST be one of keys listed in section [2.2.4.18](#).

#### 3.1.4.18.2.2 GetSettingValueResponse

The result data for the **GetSettingValue** WSDL operation.

```

<xs:element name="GetSettingValueResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingValueResult" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetSettingValueResult:** The current configuration setting value, expressed as a string. It **MUST** NOT be null.

### 3.1.4.18.3 Complex Types

None.

### 3.1.4.18.4 Simple Types

None.

### 3.1.4.18.5 Attributes

None.

### 3.1.4.18.6 Groups

None.

### 3.1.4.18.7 Attribute Groups

None.

### 3.1.4.19 GetStrategyMapReportView

This operation retrieves a report view from the server that has been created through [SaveTemporaryStrategyMapReport](#) (section [3.1.4.28](#)).

```

<wsdl:operation name="GetStrategyMapReportView">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportView"
    message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportViewResponse"
    message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportViewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends an **IBIMonitoringServiceApplication\_GetStrategyMapReportView\_InputMessage** request and the server responds with an

**IBIMonitoringServiceApplication\_GetStrategyMapReportView\_OutputMessage** message as follows:

1. The protocol client sends a RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report view to be retrieved.
2. The server sends the corresponding report view.

**Exceptions:**

ErrorCode	Description
InvalidPermission	If the report view was created with SaveTemporaryStrategyMap (see section <a href="#">3.1.4.28</a> ), the security permissions are inherited from the parent report view. The location of the parent report view can be determined from the RepositoryLocation (specified in <a href="#">[MS-PPSAS]</a> ) object "ParentReportViewLocation" embedded within "CustomData" of the report view. See section <a href="#">2.2.2.1.3</a> for the <b>Common list of Error Codes</b> .
FCOReadFailed	See section <a href="#">2.2.2.1.3</a> for the <b>Common list of Error Codes</b> .
FCOReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> for the <b>Common list of Error Codes</b> .

In case of any other failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the server is in section [2.2.2.1](#).

### 3.1.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.19.1.1

#### **IBIMonitoringServiceApplication\_GetStrategyMapReportView\_InputMessage**

The request WSDL message for the **GetStrategyMapReportView** WSDL operation.

The SOAP action value is:

`http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportView`

The SOAP body contains the **GetStrategyMapReportView** element.

#### 3.1.4.19.1.2

#### **IBIMonitoringServiceApplication\_GetStrategyMapReportView\_OutputMessage**

The response WSDL message for the **GetStrategyMapReportView** WSDL operation.

The SOAP body contains the **GetStrategyMapReportViewResponse** element.

### 3.1.4.19.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.19.2.1 GetStrategyMapReportView

The input data for the **GetStrategyMapReportView** WSDL operation.

```
<xs:element name="GetStrategyMapReportView">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="strategyMapReportViewLocation"
        type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**strategyMapReportViewLocation:** The RepositoryLocation (specified in [\[MS-PPSAS\]](#)) object that specifies the location of the report view on the server.

- the report view to be retrieved was created with SaveTemporaryStrategyMap (section [3.1.4.28](#)):
  - The **ItemGuid** property MUST equal the GUID that was returned from SaveTemporaryStrategyMap (see section [3.1.4.28](#)).
  - The **ItemType** property MUST equal TempReportView as specified by FirstClassObjectType (specified in [\[MS-PPSAS\]](#)).
  - The **ItemUrl** property MUST equal an empty string.

#### 3.1.4.19.2.2 GetStrategyMapReportViewResponse

The result data for the **GetStrategyMapReportView** WSDL operation.

```
<xs:element name="GetStrategyMapReportViewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetStrategyMapReportViewResult"
        type="tns:ReportView"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetStrategyMapReportViewResult:** The ReportView (specified in [\[MS-PPSAS\]](#)) object that was requested from the server.

#### 3.1.4.19.3 Complex Types

None.

#### 3.1.4.19.4 Simple Types

None.

#### 3.1.4.19.5 Attributes

None.

### 3.1.4.19.6 Groups

None.

### 3.1.4.19.7 Attribute Groups

None.

### 3.1.4.20 MaintenanceJob

This operation is used to start maintenance tasks (database cleanup jobs, for example).

```
<wsdl:operation name="MaintenanceJob">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJob"
    message="tns:IBIMonitoringServiceApplication_MaintenanceJob_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJobResponse"
    message="tns:IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJobBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

**IBIMonitoringServiceApplication\_MaintenanceJob\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_MaintenanceJob\_OutputMessage**.

### 3.1.4.20.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.20.1.1 IBIMonitoringServiceApplication\_MaintenanceJob\_InputMessage

The request WSDL message for the **MaintenanceJob** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJob
```

The SOAP body contains the **MaintenanceJob** element.

#### 3.1.4.20.1.2 IBIMonitoringServiceApplication\_MaintenanceJob\_OutputMessage

The response WSDL message for the **MaintenanceJob** WSDL operation.

The SOAP body contains the **MaintenanceJobResponse** element.

### 3.1.4.20.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.20.2.1 MaintenanceJob

The input data for the **MaintenanceJob** WSDL operation.

```
<xs:element name="MaintenanceJob">
  <xs:complexType/>
</xs:element>
```

#### 3.1.4.20.2.2 MaintenanceJobResponse

The result data for the **MaintenanceJob** WSDL operation.

```
<xs:element name="MaintenanceJobResponse">
  <xs:complexType/>
</xs:element>
```

#### 3.1.4.20.3 Complex Types

None.

#### 3.1.4.20.4 Simple Types

None.

#### 3.1.4.20.5 Attributes

None.

#### 3.1.4.20.6 Groups

None.

#### 3.1.4.20.7 Attribute Groups

None.

#### 3.1.4.21 RenderFilter

This operation generates HTML [\[HTML\]](#) for a specific filter stored on the protocol server. The protocol client specifies which filter is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderFilter">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilter" message="tns:IBIMonitoringServiceApplication_RenderFilter_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilterResponse"
    message="tns:IBIMonitoringServiceApplication_RenderFilter_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilterBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client MUST send an **IBIMonitoringServiceApplication\_RenderFilter\_InputMessage** request message and the protocol server MUST respond with an **IBIMonitoringServiceApplication\_RenderFilter\_OutputMessage** message containing the HTML [\[HTML\]](#) for the filter.

Exceptions:

ErrorCode	Description
FCORReadFailed	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.
FCORReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in [\[MS-PPSAS\]](#), Common list of Error Codes. A detailed specification of how exceptions are reported by the protocol server is described in the aforementioned section.

### 3.1.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.21.1.1 IBIMonitoringServiceApplication\_RenderFilter\_InputMessage

The request WSDL message for the **RenderFilter** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilter
```

The SOAP body contains the **RenderFilter** element.

#### 3.1.4.21.1.2 IBIMonitoringServiceApplication\_RenderFilter\_OutputMessage

The response WSDL message for the **RenderFilter** WSDL operation.

The SOAP body contains the **RenderFilterResponse** element.

### 3.1.4.21.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.21.2.1 RenderFilter

The input data for the **RenderFilter** WSDL operation.

```
<xs:element name="RenderFilter">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element minOccurs="0" name="filterLocation" nillable="true"
type="tns:RepositoryLocation"/>
    <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q14:WebPartContext"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**filterLocation:** Specifies the filter location as defined in RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST NOT be null or empty. It MUST point to a valid filter.

**renderTargetId:** Specifies the identifier of parent element of the rendered html control.

**availableHeight:** Specifies the **Unit** complex type indicating the height available for the filter. It MUST NOT be null.

**availableWidth:** Specifies the **Unit** complex type indicating the width available for the filter. It MUST NOT be null.

**webPartContext:** Specifies the Web Part context for the filter to be rendered, as defined in WebPartContext (section [2.2.4.20](#)). It MUST NOT be null.

### 3.1.4.21.2.2 RenderFilterResponse

The result data for the **RenderFilter** WSDL operation.

```

<xs:element name="RenderFilterResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q15:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**html:** Specifies the html for the rendered filter. It MUST NOT be null or empty.

**script:** Specifies an initialization script that MUST be executed when the HTML is delivered to the browser. It MAY be null.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the filter, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)). This MUST NOT be null or empty.

### 3.1.4.21.3 Complex Types

None.



#### 3.1.4.21.4 Simple Types

None.

#### 3.1.4.21.5 Attributes

None.

#### 3.1.4.21.6 Groups

None.

#### 3.1.4.21.7 Attribute Groups

None.

#### 3.1.4.22 RenderReport

This operation generates HTML markup for a specific report stored on the protocol server. The protocol client specifies which report is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderReport">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReport" message="tns:IBIMonitoringServiceApplication_RenderReport_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReportResponse"
    message="tns:IBIMonitoringServiceApplication_RenderReport_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReportBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **RenderReportSoapIn** request message and the protocol server MUST respond with a **RenderReportSoapOut** message containing the HTML markup for the report.

Exceptions:

ErrorCode	Description
FCOReadFailed	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

#### 3.1.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

### 3.1.4.22.1.1 IBIMonitoringServiceApplication\_RenderReport\_InputMessage

The request WSDL message for the **RenderReport** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReport
```

The SOAP body contains the **RenderReport** element.

### 3.1.4.22.1.2 IBIMonitoringServiceApplication\_RenderReport\_OutputMessage

The response WSDL message for the **RenderReport** WSDL operation.

The SOAP body contains the **RenderReportResponse** element.

### 3.1.4.22.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.22.2.1 RenderReport

The input data for the **RenderReport** WSDL operation.

```
<xs:element name="RenderReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q20:WebPartContext"/>
      <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheAttempt:** Specifies whether the render operation SHOULD use the proxy cache.

**reportLocation:** Specifies the report location as defined in RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST NOT be null or empty. It MUST point to a valid report.

**renderTargetId:** Specifies the identifier of the rendered html control. It MUST NOT be null or empty.

**availableHeight:** Specifies the height available for the report. It MUST NOT be null. The empty value specifies unbounded height. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**availableWidth:** Specifies the width available for the report. It MUST NOT be null. The empty value specifies unbounded width. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**webPartContext:** Specifies the Web Part context for the report to be rendered, as defined in **WebPartContext** (section [2.2.4.20](#)). It MUST NOT be null.

**isAccessibilityMode:** Specifies whether the report needs to be rendered in accessibility mode.

### 3.1.4.22.2 RenderReportResponse

The result data for the **RenderReport** WSDL operation.

```
<xs:element name="RenderReportResponse">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="proxyCacheSubs" nillable="true"
xmlns:q21="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" type="q21:ArrayOfSubstitutionPair"/>
    <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime"/>
    <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q22="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q22:WebPartContextUpdate"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**proxyCacheKey:** Specifies the cache key associated with the render report. It MUST NOT be null. An empty value means the result was not cached.

**proxyCacheSubs:** The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCacheSubs** property specifies a list of value pairs (name and value of the placeholder), as defined in **ArrayOfSubstitutionPair** (section [2.2.4.6](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

**html:** Specifies the html for the rendered report.

**script:** Specifies an initialization script that MUST be executed when the HTML [\[HTML\]](#) is delivered to the browser.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the report, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)). It MUST NOT be null.

### 3.1.4.22.3 Complex Types

None.

### 3.1.4.22.4 Simple Types

None.

### 3.1.4.22.5 Attributes

None.

### 3.1.4.22.6 Groups

None.

### 3.1.4.22.7 Attribute Groups

None.

### 3.1.4.23 RenderScorecard

This operation generates HTML markup for a specific scorecard stored on the protocol server. The protocol client specifies which scorecard is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderScorecard">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard"
    message="tns:IBIMonitoringServiceApplication_RenderScorecard_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardResponse"
    message="tns:IBIMonitoringServiceApplication_RenderScorecard_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **RenderScorecardSoapIn** request message and the protocol server MUST respond with a **RenderScorecardSoapOut** message containing the HTML markup for the scorecard.

Exceptions:

ErrorCode	Description
FCOReadFailed	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

#### 3.1.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.23.1.1 IBIMonitoringServiceApplication\_RenderScorecard\_InputMessage

The request WSDL message for the **RenderScorecard** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard
```

The SOAP body contains the **RenderScorecard** element.

##### 3.1.4.23.1.2 IBIMonitoringServiceApplication\_RenderScorecard\_OutputMessage

The response WSDL message for the **RenderScorecard** WSDL operation.

The SOAP body contains the **RenderScorecardResponse** element.

### 3.1.4.23.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.23.2.1 RenderScorecard

The input data for the **RenderScorecard** WSDL operation.

```
<xs:element name="RenderScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q23="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q23:WebPartContext"/>
      <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**proxyCacheAttempt:** Specifies whether the render operation SHOULD use the proxy cache.

**scorecardLocation:** The location of a scorecard location as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

**renderTargetId:** Specifies the identifier of the rendered html control. It MUST NOT be null or empty.

**availableHeight:** Specifies the height available for the scorecard. It MUST NOT be null. The empty value specifies unbounded height. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)

Unit
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**availableWidth:** Specifies the width available for the scorecard. It MUST NOT be null. The empty value specifies unbounded width. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

**webPartContext:** Specifies the Web Part context for the scorecard to be rendered, as defined in **WebPartContext** (section [2.2.4.20](#)). It MUST NOT be null.

**isAccessibilityMode:** Specifies whether the scorecard needs to be rendered in accessibility mode or not.

### 3.1.4.23.2.2 RenderScorecardResponse

The result data for the **RenderScorecard** WSDL operation.

```
<xs:element name="RenderScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="proxyCacheSubs" nillable="true"
        xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
        erCommon" type="q24:ArrayOfSubstitutionPair"/>
      <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
        xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
        type="q25:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**proxyCacheKey:** Specifies the cache key associated with the rendered scorecard. It MUST NOT be null. The empty value means the result was not cached.

**proxyCacheSubs:** The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCacheSubs** property specifies a list of value pairs (placeholder name and value for placeholder), as defined in **ArrayOfSubstitutionPair** (section [2.2.4.6](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

**proxyCacheExpiration:** Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

**html:** Specifies the HTML [\[HTML\]](#) for the rendered scorecard.

**script:** Specifies an initialization script that MUST be executed when the HTML [\[HTML\]](#) is delivered to the browser.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the scorecard, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)). It MUST NOT be null.

### 3.1.4.23.3 Complex Types

None.

### 3.1.4.23.4 Simple Types

None.

### 3.1.4.23.5 Attributes

None.

### 3.1.4.23.6 Groups

None.

### 3.1.4.23.7 Attribute Groups

None.

### 3.1.4.24 RenderScorecardAjaxControl

This operation generates scorecard Web control HTML markup for a specific list item stored on the protocol server. The client specifies which list item is to be rendered, which Web control to use to render it, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderScorecardAjaxControl">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardAjaxControl"
    message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
```



```

tion/RenderScorecardAjaxControlResponse"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_Fau
ltMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **RenderScorecardAjaxControlSoapIn** request message and the protocol server MUST respond with a **RenderScorecardAjaxControlSoapOut** message containing the HTML markup for the list item.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP fault response, which MAY contain any subcode.

### 3.1.4.24.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.24.1.1

#### **IBIMonitoringServiceApplication\_RenderScorecardAjaxControl\_InputMessage**

The request WSDL message for the **RenderScorecardAjaxControl** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderSc
orecardAjaxControl

```

The SOAP body contains the **RenderScorecardAjaxControl** element.

#### 3.1.4.24.1.2

#### **IBIMonitoringServiceApplication\_RenderScorecardAjaxControl\_OutputMessage**

The response WSDL message for the **RenderScorecardAjaxControl** WSDL operation.

The SOAP body contains the **RenderScorecardAjaxControlResponse** element.

### 3.1.4.24.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.24.2.1 **RenderScorecardAjaxControl**

The input data for the **RenderScorecardAjaxControl** WSDL operation.

```

<xs:element name="RenderScorecardAjaxControl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="scorecardControlId" nillable="true" type="xs:string"/>
    
```

```

    <xs:element minOccurs="0" name="scorecardControlType" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q26:WebPartContext"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**scorecardLocation:** The list item identifier used to retrieve the scorecard definition.

**renderTargetId:** The unique identifier assigned to the scorecard Web Part.

**scorecardControlId:** The HTML element container where the rendered scorecard markup is written.

**scorecardControlType:** The strong assembly name of the Web control implementation. This is used to create a new web control instance.

**webPartContext:** Specifies the current context of the Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

### 3.1.4.24.2.2 RenderScorecardAjaxControlResponse

The result data for the **RenderScorecardAjaxControl** WSDL operation.

```

<xs:element name="RenderScorecardAjaxControlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q27="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q27:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**html:** The scorecard rendered HTML markup.

**webPartContextUpdate:** Specifies the new Web Part context after rendering the filter, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)).

### 3.1.4.24.3 Complex Types

None.

### 3.1.4.24.4 Simple Types

None.

### 3.1.4.24.5 Attributes

None.

#### 3.1.4.24.6 Groups

None.

#### 3.1.4.24.7 Attribute Groups

None.

#### 3.1.4.25 RenderTreeMemberSelector

This method is deprecated from the protocol and SHOULD NOT [<6>](#) be used.

```
<wsdl:operation name="RenderTreeMemberSelector">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTreeMemberSelector"
    message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTreeMemberSelectorResponse"
    message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage"/>
</wsdl:operation>
```

None.

#### 3.1.4.25.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.25.1.1

#### **IBIMonitoringServiceApplication\_RenderTreeMemberSelector\_InputMessage**

The request WSDL message for the **RenderTreeMemberSelector** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTreeMemberSelector
```

The SOAP body contains the **RenderTreeMemberSelector** element.

##### 3.1.4.25.1.2

#### **IBIMonitoringServiceApplication\_RenderTreeMemberSelector\_OutputMessage**

The response WSDL message for the **RenderTreeMemberSelector** WSDL operation.

The SOAP body contains the **RenderTreeMemberSelectorResponse** element.

#### 3.1.4.25.2 Elements

The following XML Schema element definitions are specific to this operation.

### 3.1.4.25.2.1 RenderTreeMemberSelector

The input data for the **RenderTreeMemberSelector** WSDL operation.

```
<xs:element name="RenderTreeMemberSelector">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"/>
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberNamesStr"
type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="clientInstance" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maxNumRecordsToRender" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="resourcePath" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeHeaderFlagStr"
type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeFooterFlagStr"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataSource:** None.

**memberUniqueName:** None.

**dimensionUniqueName:** None.

**selectedMemberNamesStr:** None.

**clientInstance:** None.

**targetControlId:** None.

**index:** None.

**maxNumRecordsToRender:** None.

**resourcePath:** None.

**displayTreeHeaderFlagStr:** None.

**displayTreeFooterFlagStr:** None.

### 3.1.4.25.2.2 RenderTreeMemberSelectorResponse

The result data for the **RenderTreeMemberSelector** WSDL operation.

```
<xs:element name="RenderTreeMemberSelectorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="RenderTreeMemberSelectorResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**RenderTreeMemberSelectorResult:** None.

### 3.1.4.25.3 Complex Types

None.

### 3.1.4.25.4 Simple Types

None.

### 3.1.4.25.5 Attributes

None.

### 3.1.4.25.6 Groups

None.

### 3.1.4.25.7 Attribute Groups

None.

### 3.1.4.26 ReportSupportsExportFormat

Determines whether a report supports the specified export format.

```
<wsdl:operation name="ReportSupportsExportFormat">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormat"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormatResponse"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_OutputMessage** message as follows:

1. The protocol server receives the ExportFormat (see section [2.2.5.1](#)).
2. The protocol server receives the RepositoryLocation of a ReportView (specified in [\[MS-PPSAS\]](#)).
3. The protocol server MUST return "true" or "false", as specified in section [3.1.4.26.2.2](#).

### 3.1.4.26.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.26.1.1

##### **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_InputMessage**

The request WSDL message for the **ReportSupportsExportFormat** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormat
```

The SOAP body contains the **ReportSupportsExportFormat** element.

#### 3.1.4.26.1.2

##### **IBIMonitoringServiceApplication\_ReportSupportsExportFormat\_OutputMessage**

The response WSDL message for the **ReportSupportsExportFormat** WSDL operation.

The SOAP body contains the **ReportSupportsExportFormatResponse** element.

### 3.1.4.26.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.26.2.1 ReportSupportsExportFormat

The input data for the **ReportSupportsExportFormat** WSDL operation.

```
<xs:element name="ReportSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**itemFormat:** The export format as specified by ExportFormat (see section [2.2.5.1](#)). It MUST be present.

**reportLocation:** The location of a report as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

#### 3.1.4.26.2.2 ReportSupportsExportFormatResponse

The result data for the **ReportSupportsExportFormat** WSDL operation.

```
<xs:element name="ReportSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element minOccurs="1" maxOccurs="1" name="ReportSupportsExportFormatResult"
type="xs:boolean"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**ReportSupportsExportFormatResult:** A value of "true" indicates that the report supports the export format; a value of "false" indicates that it does not.

### 3.1.4.26.3 Complex Types

None.

### 3.1.4.26.4 Simple Types

None.

### 3.1.4.26.5 Attributes

None.

### 3.1.4.26.6 Groups

None.

### 3.1.4.26.7 Attribute Groups

None.

### 3.1.4.27 SaveFilterValues

This operation saves the state of selections made for a given filter.

```

<wsdl:operation name="SaveFilterValues">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValues"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesResponse"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage"
/>
</wsdl:operation>

```

The protocol client sends an

**IBIMonitoringServiceApplication\_SaveFilterValues\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_SaveFilterValue\_OutputMessage** response message as follows:

1. The protocol client sends the repository for the filter, the filter definition, and an array of strings representing the selected filter values.
2. In the event the setting cannot be updated, the protocol server MUST return a **FaultException** response, as detailed in section [2.2.2.1](#).

### 3.1.4.27.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.27.1.1 IBIMonitoringServiceApplication\_SaveFilterValues\_InputMessage

The request WSDL message for the **SaveFilterValues** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValues
```

The SOAP body contains the **SaveFilterValues** element.

#### 3.1.4.27.1.2 IBIMonitoringServiceApplication\_SaveFilterValues\_OutputMessage

The response WSDL message for the **SaveFilterValues** WSDL operation.

The SOAP body contains the **SaveFilterValuesResponse** element.

### 3.1.4.27.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.27.2.1 SaveFilterValues

The input data for the **SaveFilterValues** WSDL operation.

```
<xs:element name="SaveFilterValues">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="elementLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selections" type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**elementLocation:** MUST be a RepositoryLocation (specified in [\[MS-PPSAS\]](#)).

**parameterDefinition:** MUST be a ParameterDefinition (specified in [\[MS-PPSAS\]](#)). MUST NOT be null.

**selections:** An array of strings representing the value of the filter.



### 3.1.4.27.2.2 SaveFilterValuesResponse

The result data for the **SaveFilterValues** WSDL operation.

```
<xs:element name="SaveFilterValuesResponse">
  <xs:complexType/>
</xs:element>
```

### 3.1.4.27.3 Complex Types

None.

### 3.1.4.27.4 Simple Types

None.

### 3.1.4.27.5 Attributes

None.

### 3.1.4.27.6 Groups

None.

### 3.1.4.27.7 Attribute Groups

None.

### 3.1.4.28 SaveTemporaryStrategyMapReport

This operation stores a temporary copy of a report view to the server. See [SaveTemporaryAnalyticReport](#) in [\[MS-PPSAS\]](#).

```
<wsdl:operation name="SaveTemporaryStrategyMapReport">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReport"
    message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReportResponse"
    message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReportBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

**IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_InputMessage**

message and the server responds with an

**IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_OutputMessage**

response message as follows:

- The protocol client MUST send a ReportView (specified in [MS-PPSAS]).
- If the server contains a ReportView where all attributes and elements, except Location, equal those of the passed in ReportView, the server MUST return the GUID of the ReportView on the server. The GUID MUST be equal to the RepositoryLocation (specified in [MS-PPSAS]) ItemGuid GUID. The stored ReportView MUST NOT be altered.
- If the server does not contain a ReportView where all attributes and elements, except Location, equal those of the passed in ReportView, the server MUST store a copy of the ReportView and MUST return a unique GUID for it. The server MUST replace the Location element for the stored copy with a Location element that points to the stored copy. The Location element MUST conform to the schema of the RepositoryLocation (specified in [MS-PPSAS]) complex type, such that the ItemType attribute equals TempReportView, as specified in FirstClassObjectType (specified in [MS-PPSAS]), and the ItemGuid attribute equals the returned GUID.

Exceptions:

ErrorCode	Description
InvalidPermission	The report view is invalid.

- In case of any other failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the server is in section [2.2.2.1](#)

### 3.1.4.28.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.28.1.1

#### **IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_InputMessage**

The request WSDL message for the **SaveTemporaryStrategyMapReport** WSDL operation.

The SOAP action value is:

`http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReport`

The SOAP body contains the **SaveTemporaryStrategyMapReport** element.

#### 3.1.4.28.1.2

#### **IBIMonitoringServiceApplication\_SaveTemporaryStrategyMapReport\_OutputMessage**

The response WSDL message for the **SaveTemporaryStrategyMapReport** WSDL operation.

The SOAP body contains the **SaveTemporaryStrategyMapReportResponse** element.

### 3.1.4.28.2 Elements

The following XML Schema element definitions are specific to this operation.

### 3.1.4.28.2.1 SaveTemporaryStrategyMapReport

The input data for the **SaveTemporaryStrategyMapReport** WSDL operation.

```
<xs:element name="SaveTemporaryStrategyMapReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="tns:ReportView"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**reportView:** The report view to store. MUST be present and MUST conform to the schema of the **ReportView** (specified in [\[MS-PPSAS\]](#)) complex type where the **TypeName** attribute MUST be set to "StrategyMap" and the **CustomData** attribute MUST be set as specified for the "StrategyMap" **TypeName**.

### 3.1.4.28.2.2 SaveTemporaryStrategyMapReportResponse

The result data for the **SaveTemporaryStrategyMapReport** WSDL operation.

```
<xs:element name="SaveTemporaryStrategyMapReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="SaveTemporaryStrategyMapReportResult"
        xmlns:q40="http://microsoft.com/wsdl/types/" type="q40:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**SaveTemporaryStrategyMapReportResult:** A GUID that uniquely identifies the ReportView (specified in [\[MS-PPSAS\]](#)) and the values of all attributes and elements except Location. MUST be present.

### 3.1.4.28.3 Complex Types

None.

### 3.1.4.28.4 Simple Types

None.

### 3.1.4.28.5 Attributes

None.

### 3.1.4.28.6 Groups

None.

### 3.1.4.28.7 Attribute Groups

None.

### 3.1.4.29 ScorecardSupportsExportFormat

This operation checks whether a scorecard supports the specified export format.

```
<wsdl:operation name="ScorecardSupportsExportFormat">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormat"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormatResponse"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_OutputMessage** message as follows:

1. The protocol server receives the ExportFormat (see section [2.2.5.1](#)).
2. The protocol server receives the RepositoryLocation of a Scorecard (specified in [\[MS-PPSAS\]](#)).
3. The protocol server MUST retrieve "true" or "false".

#### 3.1.4.29.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.29.1.1

#### **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_InputMessage**

The request WSDL message for the **ScorecardSupportsExportFormat** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormat
```

The SOAP body contains the **ScorecardSupportsExportFormat** element.

##### 3.1.4.29.1.2

#### **IBIMonitoringServiceApplication\_ScorecardSupportsExportFormat\_OutputMessage**

The response WSDL message for the **ScorecardSupportsExportFormat** WSDL operation.

The SOAP body contains the **ScorecardSupportsExportFormatResponse** element.

### 3.1.4.29.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.29.2.1 ScorecardSupportsExportFormat

The input data for the **ScorecardSupportsExportFormat** WSDL operation.

```
<xs:element name="ScorecardSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"/>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**itemFormat:** The export format as specified by ExportFormat (see section [2.2.5.1](#)). It MUST be present.

**scorecardLocation:** The location of a scorecard as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

#### 3.1.4.29.2.2 ScorecardSupportsExportFormatResponse

The result data for the **ScorecardSupportsExportFormat** WSDL operation.

```
<xs:element name="ScorecardSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ScorecardSupportsExportFormatResult"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ScorecardSupportsExportFormatResult:** A value of "true" indicates that the scorecard supports the export format; a value of "false" indicates that it does not.

### 3.1.4.29.3 Complex Types

None.

### 3.1.4.29.4 Simple Types

None.

### 3.1.4.29.5 Attributes

None.

### 3.1.4.29.6 Groups

None.

### 3.1.4.29.7 Attribute Groups

None.

### 3.1.4.30 SearchParameterDisplayData

The **SearchParameterDisplayData** operation<7> retrieves an object of type **ParameterSearchResultRecord** (section [2.2.4.15](#)) that represents the filter's display data values that contain the specified search term.

```
<wsdl:operation name="SearchParameterDisplayData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayData"
    message="tns:IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayDataResponse"
    message="tns:IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_SearchParameterDisplayData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication\_SearchParameterDisplayData\_InputMessage** (section [3.1.4.30.1.1](#)) request message and the protocol server responds with an **IBIMonitoringServiceApplication\_SearchParameterDisplayData\_OutputMessage** (section [3.1.4.30.1.2](#)) message as follows:

1. The protocol server receives the input data for a **SearchParameterDisplayData** WSDL operation as specified in section [3.1.4.30](#).
2. The protocol server creates the **ParameterSearchResultRecord** using the **Filter** ([\[MS-PPSAS\]](#) section 2.2.4.99) data source and **SubTypeId** ([\[MS-PPSAS\]](#) section 2.2.4.85) referenced by **parameterLocation** (section [3.1.4.30.2.1](#)), the string referenced by **searchTerm** (section [3.1.4.30.2.1](#)) and the **WebPartContext** (section [2.2.4.20](#)) referenced by **webPartContext** (section [3.1.4.30.2.1](#)).

The following table lists possible error codes for the **SearchParameterDisplayData** operation.

Error code	Description
FCOReadFailed	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.
FCOReadFailedListAccess	See section <a href="#">2.2.2.1.3</a> , Common list of Error Codes.

If a failure occurs, the error code MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.30.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.30.1.1

##### **IBIMonitoringServiceApplication\_SearchParameterDisplayData\_InputMessage**

The request WSDL message for the **SearchParameterDisplayData** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayData
```

The SOAP body contains the **SearchParameterDisplayData** element.

#### 3.1.4.30.1.2

##### **IBIMonitoringServiceApplication\_SearchParameterDisplayData\_OutputMessage**

The response WSDL message for the **SearchParameterDisplayData** WSDL operation.

The SOAP body contains the **SearchParameterDisplayDataResponse** element.

### 3.1.4.30.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.30.2.1 SearchParameterDisplayData

The input data for the **SearchParameterDisplayData** WSDL operation.

```
<xs:element name="SearchParameterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q32:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterLocation:** The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

**searchTerm:** A string representing a word or phrase that will be used to search the parameter's display data.

**webPartContext:** Specifies the current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

### 3.1.4.30.2.2 SearchParameterDisplayDataResponse

The result data for the **SearchParameterDisplayData** WSDL operation.

```
<xs:element name="SearchParameterDisplayDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="SearchParameterDisplayDataResult" nillable="true"
        xmlns:q33="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServiceCommon" type="q33:ParameterSearchResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**SearchParameterDisplayDataResult:** A **ParameterSearchResultRecord** (section [2.2.4.15](#)) value.

### 3.1.4.30.3 Complex Types

None.

### 3.1.4.30.4 Simple Types

None.

### 3.1.4.30.5 Attributes

None.

### 3.1.4.30.6 Groups

None.

### 3.1.4.30.7 Attribute Groups

None.

### 3.1.4.31 UpdateSettingValue

This method modifies the current value of a configuration setting.

```
<wsdl:operation name="UpdateSettingValue">
  <wsdl:input>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValue"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage"/>
  <wsdl:output>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValueResponse"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage"/>
  <wsdl:fault>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValueBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```



</wsdl:operation>

The protocol client sends an **IBIMonitoringServiceApplication\_UpdateSettingValue\_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication\_UpdateSettingValue\_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the configuration setting to be changed, and the new value expressed as a string.
2. The protocol server modifies the configuration, and responds with an empty response.

**Exceptions:**

ErrorCode	Description
ExtInvalidSetting	The setting value does not meet the required format or limits. More information is available in the exception text.
NewSetting	The setting key is unknown.
Unknown	See section <a href="#">2.2.2.1.3</a> for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

### 3.1.4.31.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.31.1.1 IBIMonitoringServiceApplication\_UpdateSettingValue\_InputMessage

The request WSDL message for the **UpdateSettingValue** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValue
```

The SOAP body contains the **UpdateSettingValue** element.

#### 3.1.4.31.1.2

#### IBIMonitoringServiceApplication\_UpdateSettingValue\_OutputMessage

The response WSDL message for the **UpdateSettingValue** WSDL operation.

The SOAP body contains the **UpdateSettingValueResponse** element.

### 3.1.4.31.2 Elements

The following XML Schema element definitions are specific to this operation.

### 3.1.4.31.2.1 UpdateSettingValue

The input data for the **UpdateSettingValue** WSDL operation.

```
<xs:element name="UpdateSettingValue">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="value" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**key:** A unique value identifying the setting to be retrieved. The value **MUST** be one of the keys listed in section [2.2.4.18](#).

**value:** The new value for the setting. **MUST NOT** be null. **MUST** conform to a format matching the **SettingType** associated with the **key** (section [2.2.4.18](#)).

- SettingType Integer
  - The value **MUST** be of the form [ws][sign]digits[ws]
    - ws is optional white space
    - sign is an optional + or -
    - digits is a sequence of digits ranging from 0 to 9
  - The value **MUST** be greater or equal to the minimum value shown in section [2.2.4.18](#).
  - The value **MUST** be less than or equal to the maximum value shown in section [2.2.4.18](#).
- SettingType String
  - The value **MUST** have no more characters than the number listed in the maximum value column in section [2.2.4.18](#)
  - The value **MUST NOT** have any characters listed as illegal for the key in section [2.2.4.18](#).
- SettingType Boolean
  - The value **MUST** be "true" or "false", case insensitive.
  - The value **MAY** be preceded or followed by white space.

### 3.1.4.31.2.2 UpdateSettingValueResponse

The result data for the **UpdateSettingValue** WSDL operation.

```
<xs:element name="UpdateSettingValueResponse">
  <xs:complexType/>
</xs:element>
```

### 3.1.4.31.3 Complex Types

None.

### 3.1.4.31.4 Simple Types

None.

### 3.1.4.31.5 Attributes

None.

### 3.1.4.31.6 Groups

None.

### 3.1.4.31.7 Attribute Groups

None.

### 3.1.4.32 DecompAutoExpand

Specified in [\[MS-PPSDECO\].<8>](#)

```
<wsdl:operation name="DecompAutoExpand">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpand"
    message="tns:IBIMonitoringServiceApplication_DecompAutoExpand_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpandResponse"
    message="tns:IBIMonitoringServiceApplication_DecompAutoExpand_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpandBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_DecompAutoExpand_BpmExceptionFault_FaultMessage"
  />
</wsdl:operation>
```

#### 3.1.4.32.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.32.1.1 IBIMonitoringServiceApplication\_DecompAutoExpand\_InputMessage

The request WSDL message for the **DecompAutoExpand** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpand>

The SOAP body contains the **DecompAutoExpand** element.

### 3.1.4.32.1.2

#### IBIMonitoringServiceApplication\_DecomAutoExpand\_OutputMessage

The response WSDL message for the **DecompAutoExpand** WSDL operation.

The SOAP body contains the **DecompAutoExpandResponse** element.

### 3.1.4.32.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.32.2.1 DecompAutoExpand

The input data for the **DecompAutoExpand** WSDL operation.

```
<xs:element name="DecompAutoExpand">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters"/>
      <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**navigationContext:** A session identifier which defines the state of the client. MUST be the *NavigationContext* value from a **DecompRenderResultRecord** element obtained from a previous successful request to either **DecompAutoExpand** or **DecompExpand** MUST NOT be NULL and MUST NOT be empty.

**queryParameters:** Specifies the query parameters. This element MUST be a **DecompQueryParameters** value. It MUST NOT be null.

**levelUniqueName:** Uniquely identifies the **level** to expand. This identifier is defined by the web service and is the **DecompRenderResultLevel** unique name. It MUST NOT be NULL or EMPTY.

**itemUniqueName:** Uniquely identifies the node to expand. This identifier is defined by the web service and is the **DecompRenderResultNode** unique name. It MUST NOT be NULL or EMPTY.

#### 3.1.4.32.2.2 DecompAutoExpandResponse

The result data for the **DecompAutoExpand** WSDL operation.

```
<xs:element name="DecompAutoExpandResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DecompAutoExpandResult"
type="tns:DecompRenderResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**DecompAutoExpandResult:** A [DecompRenderResultRecord](#) element. In the event of an application error on the protocol server, this element will not occur.

#### 3.1.4.32.3 Complex Types

None.

#### 3.1.4.32.4 Simple Types

None.

#### 3.1.4.32.5 Attributes

None.

#### 3.1.4.32.6 Groups

None.

#### 3.1.4.32.7 Attribute Groups

None.

### 3.1.4.33 DecompExpand

This operation [<9>](#) is used to get additional node data for a specific node, using a named action.

```
<wsdl:operation name="DecompExpand">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompExpand" message="tns:IBIMonitoringServiceApplication_DecomExpand_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompExpandResponse"
    message="tns:IBIMonitoringServiceApplication_DecomExpand_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompExpandBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_DecomExpand_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

A session state variable is required to successfully complete this operation. As part of the **DecompExpandSoapIn** request message, **navigationContext** MUST contain a value obtained from a **DecompRenderResultRecord** result from a previous successful request to **DecompAutoExpand** or **DecompExpand**.

#### 3.1.4.33.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.33.1.1 IBIMonitoringServiceApplication\_DecomExpand\_InputMessage

The request WSDL message for the **DecompExpand** WSDL operation.

The SOAP action value is:

The SOAP body contains the **DecompExpand** element.

### 3.1.4.33.1.2 IBIMonitoringServiceApplication\_DecomExpand\_OutputMessage

The response WSDL message for the **DecompExpand** WSDL operation.

The SOAP body contains the **DecompExpandResponse** element.

### 3.1.4.33.2 Elements

The following XML Schema element definitions are specific to this operation.

#### 3.1.4.33.2.1 DecompExpand

The input data for the **DecompExpand** WSDL operation.

```
<xs:element name="DecompExpand">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters"/>
      <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationItemUniqueName"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**navigationContext:** A session identifier which defines the state of the client. MUST be the *NavigationContext* value from a **DecompRenderResultRecord** element obtained from a previous successful request to **DecompAutoExpand** or **DecompExpand**. MUST NOT be NULL and MUST NOT be empty.

**queryParameters:** Specifies the query parameters. This element MUST be a **DecompQueryParameters** value. It MUST NOT be null.

**levelUniqueName:** Uniquely identifies the level to expand. This identifier is defined by the web service and is the **DecompRenderResultLevel** unique name. It MUST NOT be NULL or EMPTY.

**itemUniqueName:** Uniquely identifies the node to expand. This identifier is defined by the web service and is the **DecompRenderResultNode** unique name. It MUST NOT be NULL or EMPTY.

**navigationItemUniqueName:** MUST be the *Name* value from a **DecompNavigationAction** element obtained from a previous call to **CreateNavigationList**. MUST NOT be NULL and MUST NOT be empty.

#### 3.1.4.33.2.2 DecompExpandResponse

The result data for the **DecompExpand** WSDL operation.

```

<xs:element name="DecompExpandResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DecompExpandResult"
type="tns:DecompRenderResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**DecompExpandResult:** A **DecompRenderResultRecord** value. In the event of an application error on the server, this value will not occur.

### 3.1.4.33.3 Complex Types

None.

### 3.1.4.33.4 Simple Types

None.

### 3.1.4.33.5 Attributes

None.

### 3.1.4.33.6 Groups

None.

### 3.1.4.33.7 Attribute Groups

None.

### 3.1.4.34 ValidateSiteCollection

This operation [<10>](#) is used to check if the context site has the server feature installed.

```

<wsdl:operation name="ValidateSiteCollection">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollection"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionResponse"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMe
ssage"/>
</wsdl:operation>

```

The protocol client sends a **ValidateSiteCollectionSoapIn** request message, and the **server (2)** responds with a **ValidateSiteCollectionSoapOut** message as follows:

- If the user-defined context site is the top-level site(2) of a site collection that has the server (2) feature installed, **ValidateSiteCollectionResult** MUST be "SiteCollection".
- If the user-defined context site is a **subsite** of a site collection that has the server (2) feature installed, **ValidateSiteCollectionResult** MUST be "Site".
- If the user-defined context site is NULL, **ValidateSiteCollectionResult** MUST be "NonexistentSiteCollection".
- If the user-defined context site is not a valid site (2) or a site collection and the **siteCollectionUrl** derived from the user-defined context site is not empty, **ValidateSiteCollectionResult** MUST be "Nonexistentsite".
- If the user-defined context site is not a valid site (2) or a site collection and **siteCollectionUrl** derived from the user-defined context site is empty, **ValidateSiteCollectionResult** MUST be "NonexistentSiteCollection".
- If the site collection of the user-defined context site does not have the server (2) feature installed, **ValidateSiteCollectionResult** MUST be "PPSNotActivatedOnSiteCollection".
- **ValidateSiteCollectionResult** MUST NOT have any other values from the **URLValidationResult** enumeration other than those enumerated in items 1 to 6.

#### 3.1.4.34.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.34.1.1

#### **IBIMonitoringServiceApplication\_ValidateSiteCollection\_InputMessage**

The request WSDL message for the **ValidateSiteCollection** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ValidateSiteCollection
```

The SOAP body contains the **ValidateSiteCollection** element.

##### 3.1.4.34.1.2

#### **IBIMonitoringServiceApplication\_ValidateSiteCollection\_OutputMessage**

The response WSDL message for the **ValidateSiteCollection** WSDL operation.

The SOAP body contains the **ValidateSiteCollectionResponse** element.

#### 3.1.4.34.2 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.34.2.1 **ValidateSiteCollection**

The input data for the **ValidateSiteCollection** WSDL operation.

```
<xs:element name="ValidateSiteCollection">
```



```

    <xs:complexType/>
  </xs:element>

```

### 3.1.4.34.2.2 ValidateSiteCollectionResponse

The result data for the **ValidateSiteCollection** WSDL operation.

```

<xs:element name="ValidateSiteCollectionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ValidateSiteCollectionResult"
type="tns:URLValidationResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**ValidateSiteCollectionResult:** A value of type **URLValidationResult** indicating the result of the validation process. See the definition of **URLValidationResult** (section [3.1.4.34.4.1](#)) for more details.

### 3.1.4.34.3 Complex Types

None.

### 3.1.4.34.4 Simple Types

The following XML Schema simple type definitions are specific to this operation.

#### 3.1.4.34.4.1 URLValidationResult

**Namespace:** <http://www.microsoft.com/performancepoint/scorecards>

The **URLValidationResult** is an enumeration used to specify the possible results of URL Validation.

```

<xs:simpleType name="URLValidationResult">
  <xs:restriction base="xs:string">
    <xs:enumeration value="SiteCollectionOrSite"/>
    <xs:enumeration value="SiteCollection"/>
    <xs:enumeration value="Site"/>
    <xs:enumeration value="List"/>
    <xs:enumeration value="DocumentLibrary"/>
    <xs:enumeration value="InvalidURL"/>
    <xs:enumeration value="AlreadyExists"/>
    <xs:enumeration value="NonexistentSiteCollection"/>
    <xs:enumeration value="NonexistentSite"/>
    <xs:enumeration value="PPSNotActivatedOnSiteCollection"/>
    <xs:enumeration value="URLZoneNotAllowed"/>
    <xs:enumeration value="NoAccess"/>
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for **URLValidationResult**:

Value	Meaning
SiteCollectionOrSite	The context site is a subsite of a site collection or the top-level site (2) of a site collection that has the server (2) feature installed.
SiteCollection	The context site is the top-level site (2) of a site collection and the site collection has the server feature installed.
Site	The context site is a subsite of a site collection and the site collection has the protocol feature installed.
List	The context site is a list (1) of a site collection.
DocumentLibrary	The context site is a <b>document library</b> of a site collection.
InvalidURL	The URL is not valid.
AlreadyExists	The URL already exists.
NonexistentSiteCollection	The context site is not a valid site collection.
NonexistentSite	The context site is not a valid site (2).
PPSNotActivatedOnSiteCollection	The site collection of the context site does not have the server feature activated.
URLZoneNotAllowed	The URL is not in the following <b>security zones</b> : Local, Intranet, or Trusted.
NoAccess	The user does not have access to the context site specified by the URL.

#### 3.1.4.34.5 Attributes

None.

#### 3.1.4.34.6 Groups

None.

#### 3.1.4.34.7 Attribute Groups

None.

#### 3.1.5 Timer Events

None.

#### 3.1.6 Other Local Events

None.

### 3.2 Client Details

None.

### **3.2.1 Abstract Data Model**

None.

### **3.2.2 Timers**

None.

### **3.2.3 Initialization**

None.

### **3.2.4 Message Processing Events and Sequencing Rules**

None.

### **3.2.5 Timer Events**

None.

### **3.2.6 Other Local Events**

None.

## 4 Protocol Examples

Examples that illustrate the usage of the protocol as described in the overview (section [1.3](#)).

### 4.1 Annotation Update

In this example, a protocol client creates a new **annotation** within a scorecard, modifies the **annotation**, then deletes the **annotation**.

The example assumes that the following object is known to the protocol server with the following identifier:

Type	Name	Path	ID
Scorecard	New Scorecard	/PerformancePoint/Lists/Dashboard Content	15_.000

#### 4.1.1 CreateAnnotation

To create a new Annotation, the protocol client calls **CreateAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/CreateAnnotation
    </a:Action>
    <a:MessageID>
      urn:uuid:868d1632-4a2d-4e5a-b7d5-51ff28762e05
    </a:MessageID>
    <a:ReplyTo>
      <a:Address>
        http://www.w3.org/2005/08/addressing/anonymous
      </a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">
      9edb0749-0b51-4377-b810-d3891c1ac81d
    </webSiteID>
    <WebSiteAbsoluteUrl
      xmlns="PPSMA">http://boi-ppsbeta1/
    </WebSiteAbsoluteUrl>
    <CurrentCultureName
      xmlns="PPSMA">en-US
    </CurrentCultureName>
    <CurrentUICultureName
      xmlns="PPSMA">en-US
    </CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <CreateAnnotation xmlns="http://tempuri.org/">
      <annotation>
        <Comments>
          <AnnotationComment Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="domain\username">
```

```

        CreatedDate="2009-06-09T09:06:11.1715572-07:00"
        Message="New Comment"
        Title="New Comment">
    </AnnotationComment>
</Comments>
<Properties></Properties>
<Owner>domain\username</Owner>
<LastUpdatedBy></LastUpdatedBy>
<Slice></Slice>
<CreatedOn>0001-01-01T00:00:00</CreatedOn>
<LastUpdatedOn>0001-01-01T00:00:00</LastUpdatedOn>
<ScorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"
    ItemType="Scorecard"
    ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
    SpSiteCollectionGuid="9edb07490b514377b810d3891c1ac81d"
    SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
    SpListGuid="e93c6554114d455198f8572c496139d2">
</ScorecardLocation>
<ConfiguredViewID>
    50289e50-956c-420f-9509-d60199260bf4
</ConfiguredViewID>
<Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
<CellpathCoordinates>
    /Lists/Dashboard Content/14_.000Target
</CellpathCoordinates>
</annotation>
</CreateAnnotation>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
    xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/CreateAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <CreateAnnotationResponse xmlns="http://tempuri.org/">
      <CreateAnnotationResult>
        <Comments>
          <AnnotationComment Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="domain\username"
            CreatedDate="2009-06-09T09:06:11.1715572-07:00"
            Message="New Comment"
            Title="New Comment">
          </AnnotationComment>
        </Comments>
        <Properties></Properties>
        <Owner>domain\username</Owner>
        <LastUpdatedBy></LastUpdatedBy>
        <Slice></Slice>
        <CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
        <LastUpdatedOn>2009-06-09T09:06:42.85</LastUpdatedOn>
        <ScorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"

```

```

        ItemType="Scorecard"
        ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
        SpSiteCollectionGuid="9edb07490b514377b810d3891c1ac81d"
        SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
        SpListGuid="e93c6554114d455198f8572c496139d2">
    </ScorecardLocation>
    <ConfiguredViewID>
        50289e50-956c-420f-9509-d60199260bf4
    </ConfiguredViewID>
    <Guid>
        6ebdce31-a7e4-4c3a-8012-43066b39b38a
    </Guid>
    <CellpathCoordinates>
        /Lists/Dashboard Content/14_.000Target
    </CellpathCoordinates>
    </CreateAnnotationResult>
    </CreateAnnotationResponse>
</s:Body>
</s:Envelope>

```

#### 4.1.2 UpdateAnnotation

To update the existing Annotation, the protocol client calls **UpdateAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
    xmlns:s="http://www.w3.org/2003/05/soap-envelope">
    <s:Header>
        <a:Action s:mustUnderstand="1">
            http://tempuri.org/IBIMonitoringServiceApplication/UpdateAnnotation
        </a:Action>
        <a:MessageID>
            urn:uuid:937d9cac-9a59-4040-bcbe-18ec87bd5cfb
        </a:MessageID>
        <a:ReplyTo>
            <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
        </a:ReplyTo>
        <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
        <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1/</WebSiteAbsoluteUrl>
        <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
        <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
    </s:Header>
    <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <UpdateAnnotation xmlns="http://tempuri.org/">
            <annotation>
                <Comments>
                    <AnnotationComment
                        Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
                        CreatedBy="Domain\username"
                        CreatedDate="2009-06-09T09:06:11.1715572-07:00"
                        Message="New Comment 2"
                        Title="New Comment">
                    </AnnotationComment>
                </Comments>
            </Properties></Properties>
        </UpdateAnnotation>
    </s:Body>
</s:Envelope>

```

```

<Owner>Domain\username</Owner>
<LastUpdatedBy>Domain\username</LastUpdatedBy>
<Slice></Slice>
<CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
<LastUpdatedOn>2009-06-09T09:06:42.85</LastUpdatedOn>
<ScorecardLocation
  ItemUrl="/Lists/Dashboard Content/15_.000"
  ItemType="Scorecard"
  ItemGuid="4fc9dc2547494db86e7d3b298707b1"
  SpSiteCollectionGuid="9edb07490b514377b810d3891clac81d"
  SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
  SpListGuid="e93c6554114d455198f8572c496139d2">
</ScorecardLocation>
<ConfiguredViewID>50289e50-956c-420f-9509-d60199260bf4</ConfiguredViewID>
<Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
<CellpathCoordinates>
  /Lists/Dashboard Content/14_.000Target
</CellpathCoordinates>
</annotation>
</UpdateAnnotation>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/UpdateAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <UpdateAnnotationResponse xmlns="http://tempuri.org/">
      <UpdateAnnotationResult>
        <Comments>
          <AnnotationComment
            Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="Domain\username"
            CreatedDate="2009-06-09T09:06:11.1715572-07:00"
            Message="New Comment 2"
            Title="New Comment">
          </AnnotationComment>
        </Comments>
        <Properties></Properties>
        <Owner>Domain\username</Owner>
        <LastUpdatedBy>Domain\username</LastUpdatedBy>
        <Slice></Slice>
        <CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
        <LastUpdatedOn>2009-06-09T10:24:40.847</LastUpdatedOn>
        <ScorecardLocation
          ItemUrl="/Lists/Dashboard Content/15_.000"
          ItemType="Scorecard"
          ItemGuid="4fc9dc2547494db86e7d3b298707b1"
          SpSiteCollectionGuid="9edb07490b514377b810d3891clac81d"
          SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
          SpListGuid="e93c6554114d455198f8572c496139d2">

```

```

        </ScorecardLocation>
        <ConfiguredViewID>50289e50-956c-420f-9509-d60199260bf4</ConfiguredViewID>
        <Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
        <CellpathCoordinates>
            /Lists/Dashboard Content/14_.000Target
        </CellpathCoordinates>
    </UpdateAnnotationResult>
</UpdateAnnotationResponse>
</s:Body>
</s:Envelope>

```

### 4.1.3 DeleteAnnotation

To delete the existing Annotation, the protocol client calls **DeleteAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/DeleteAnnotation
    </a:Action>
    <a:MessageID>urn:uuid:fa482d28-a976-4cb1-b193-277c4ea8844c</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891clac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <DeleteAnnotation xmlns="http://tempuri.org/">
      <annotationID>6ebdce31-a7e4-4c3a-8012-43066b39b38a</annotationID>
    </DeleteAnnotation>
  </s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/DeleteAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <DeleteAnnotationResponse
      xmlns="http://tempuri.org/">
    </DeleteAnnotationResponse>
  </s:Body>
</s:Envelope>

```



</s:Envelope>

## 4.2 Scorecard Render

In this example, a protocol client is refreshing the display of a dashboard containing a scorecard.

The example assumes that the following object is known to the protocol server with the following identifier:

Type	Name	Path	ID
Scorecard	New Scorecard	/PerformancePoint/Lists/Dashboard Content	15_.000

### 4.2.1 GetScorecardDependencies

The protocol client calls **GetScorecardDependencies** to get all resources necessary to render the scorecard.

The protocol client creates and sends the following message (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://tempuri.org/IBIMonitoringServiceApplication/GetScorecardDependencies</a:Action>
    <a:MessageID>urn:uuid:bda9b3de-5b13-452d-b734-95d9776168ae</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetScorecardDependencies xmlns="http://tempuri.org/">
      <scorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000" ItemType="None"
ItemGuid="00000000000000000000000000000000">
        SpSiteCollectionGuid="00000000000000000000000000000000"
        SpSiteGuid="00000000000000000000000000000000"
        SpListGuid="00000000000000000000000000000000"></scorecardLocation>
      </GetScorecardDependencies>
    </s:Body>
</s:Envelope>
```

The protocol server responds with the following (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://tempuri.org/IBIMonitoringServiceApplication/GetScorecardDependenciesResponse</a:Action>
  </s:Header>
```

```

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <GetScorecardDependenciesResponse xmlns="http://tempuri.org/">
    <GetScorecardDependenciesResult>
      <ExternalCssDependencies>
        <string>bsm.css</string>
        <string>bsmMenu.css</string>
        <string>OlapGrid.css</string>
      </ExternalCssDependencies>
      <ScriptDependencies>
        <ScriptDependency>

<ScriptLocation>Microsoft.PerformancePoint.Scorecards.Script.Resources.AnalyticReports.js</Sc
riptLocation>
        <AssemblyName>Microsoft.PerformancePoint.Scorecards.Script, Version=14.0.0.0,
Culture=neutral, PublicKeyToken=71e9bce111e9429c</AssemblyName>
        <ForceRelease>false</ForceRelease>
      </ScriptDependency>
      <ScriptDependency>

<ScriptLocation>Microsoft.PerformancePoint.Scorecards.Script.Resources.Scorecard.js</ScriptLo
cation>
        <AssemblyName>Microsoft.PerformancePoint.Scorecards.Script, Version=14.0.0.0,
Culture=neutral, PublicKeyToken=71e9bce111e9429c</AssemblyName>
        <ForceRelease>false</ForceRelease>
      </ScriptDependency>
      <ScriptDependency>
        <ScriptLocation>/_layouts/silverlight.js</ScriptLocation>
        <ForceRelease>true</ForceRelease>
      </ScriptDependency>
    </ScriptDependencies>
  </GetScorecardDependenciesResult>
</GetScorecardDependenciesResponse>
</s:Body>
</s:Envelope>

```

#### 4.2.2 ScorecardSupportsExportFormat

The protocol client then calls **ScorecardSupportsExportFormat** to see if the scorecard can be exported in the given format.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/
      ScorecardSupportsExportFormat
    </a:Action>
    <a:MessageID>urn:uuid:02e8da36-4611-424e-ad45-578e0561271a</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>

```

```

</s:Header>
<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <ScorecardSupportsExportFormat xmlns="http://tempuri.org/">
    <itemFormat>PowerPoint</itemFormat>
    <scorecardLocation
      ItemUrl="/Lists/Dashboard Content/15_.000"
      ItemType="None"
      ItemGuid="00000000000000000000000000000000"
      SpSiteCollectionGuid="00000000000000000000000000000000"
      SpSiteGuid="00000000000000000000000000000000"
      SpListGuid="00000000000000000000000000000000">
    </scorecardLocation>
  </ScorecardSupportsExportFormat>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/
        ScorecardSupportsExportFormatResponse</a:Action>
    </s:Header>
    <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xmlns:xsd="http://www.w3.org/2001/XMLSchema">
      <ScorecardSupportsExportFormatResponse xmlns="http://tempuri.org/">
        <ScorecardSupportsExportFormatResult>
          true
        </ScorecardSupportsExportFormatResult>
      </ScorecardSupportsExportFormatResponse>
    </s:Body>
  </s:Envelope>

```

### 4.2.3 GetSettingValue

The protocol client may check for settings values on the scorecard by calling **GetSettingValue**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/GetSettingValue
    </a:Action>
    <a:MessageID>urn:uuid:3fddf9a6-e45d-42a3-a2d0-f1817cbc78d5</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891clac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>

```

```

</s:Header>
<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <GetSettingValue xmlns="http://tempuri.org/">
    <key>IndicatorImageCacheTime</key>
  </GetSettingValue>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/GetSettingValueResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetSettingValueResponse xmlns="http://tempuri.org/">
      <GetSettingValueResult>10</GetSettingValueResult>
    </GetSettingValueResponse>
  </s:Body>
</s:Envelope>

```

#### 4.2.4 RenderScorecard

Finally, the protocol client renders the scorecard by calling **RenderScorecard**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/RenderScorecard
    </a:Action>
    <a:MessageID>urn:uuid:81f00933-7e0e-4b1d-a67f-bcb6660dcc9c</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <RenderScorecard xmlns="http://tempuri.org/">
      <proxyCacheAttempt>true</proxyCacheAttempt>
      <scorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"
                        ItemType="None"
                        ItemGuid="00000000000000000000000000000000"
                        SpSiteCollectionGuid="00000000000000000000000000000000"
                        SpSiteGuid="00000000000000000000000000000000">

```

```

        SpListGuid="00000000000000000000000000000000">
    </scorecardLocation>
    <renderTargetId>ctl00_m_pps_b1f9f743481a4d578ae7720305724002</renderTargetId>
    <classResourcePath>/_layouts/PPSWebParts/</classResourcePath>
    <availableHeight></availableHeight>
    <availableWidth></availableWidth>
    <webPartContext>
        <ClientViewState>
            <Keys></Keys>
            <Values></Values>
        </ClientViewState>
        <InUseProviderParameterNames></InUseProviderParameterNames>
        <ProviderParameterSelections>
            <Keys></Keys>
            <Values></Values>
        </ProviderParameterSelections>
    </webPartContext>
    <isAccessibilityMode>>false</isAccessibilityMode>
</RenderScorecard>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/RenderScorecardResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <RenderScorecardResponse xmlns="http://tempuri.org/">
      <proxyCacheKey></proxyCacheKey>
      <proxyCacheExpiration>0001-01-01T00:00:00</proxyCacheExpiration>
      <html>
        <div id="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002"
          name="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002"
          style="display:table;overflow:auto;">
          <div id="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002_tv"
            name="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002$tv"
            style="display:table-row;">
            <a name="ctl00_m_pps_b1f9f743481a4d578ae7720305724002begin"
              tabindex="0"></a>
            <table id="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002_tv_sctbl"
              cellpadding="0" cellspacing="0" rules="all" class="bsm-sctbl"
              onkeyup="javascript:scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.
                handleTableViewKeyboardNavigation(event);"
              onclick="javascript:scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.
                selectScorecardCell(event);"
              onmousedown="javascript:scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.get_menuHandler().createContextMenu(event);"
              summary="New Scorecard" border="1"
              style="border-color:#D0D8E5;border-width:1px;border-style:solid;

```

```

border-collapse:collapse; ">
<tr rId="ch-0">
  <th class="pulpit" align="center" tabindex="0"
    SortFilterColumn="RowHeaderText" ColumnType="System.String"
    rowspan="1" scope="column"
    style="background-color:#EBF3FF;border-color:#D0D8E5;
    vertical-align:
    bottom;text-align:left; "></th>
  <th align="center" ColumnType="System.Decimal"
    isDrillEnabled="false"
    class="chc" SortFilterColumn="Actual2" tabindex="0"
    isDrillUpEnabled="true" groupId="-3"
    isCellExpansionEnabled="false"
    cellId="1" cellType="Column" headerType="KpiActual"
    isDrillDownEnabled="true" colspan="1" rowspan="1"
    scope="column"
    style="color:#000000;background-color:#EBF3FF;
    border-color:#D0D8E5;
    font-family:Tahoma;font-size:8pt;vertical-align:middle;
    text-align:center;white-space:nowrap; ">
    <span> Actual </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer; ">
    </a>
  </th>
  <th align="center" ColumnType="System.Decimal"
    isDrillEnabled="false" class="chc" SortFilterColumn="Target3"
    tabindex="0" ColumnType2="System.Decimal"
    isDrillUpEnabled="true"
    ShowSecondValue="True" groupId="-4"
    isCellExpansionEnabled="false" cellId="2" cellType="Column"
    TargetElements="Target|Variance" headerType="KpiTarget"
    isDrillDownEnabled="true" colspan="1" rowspan="1"
    scope="column"
    style="color:#000000;background-color:#EBF3FF;
    border-color:#D0D8E5;
    font-family:Tahoma;font-size:8pt;vertical-align:middle;
    text-align:center;white-space:nowrap; ">
    <span> Target </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer; "></a>
  </th>
</tr>
<tr id="scotr1ct100_m_pps_b1f9f743481a4d578ae7720305724002_tv_1"
  class="r-1" rId="1" pId="0" groupId="-1" isCollapsed="false"
  isCellExpansionEnabled="false"
  isHiddenBasedOnFilterStatus="false"
  isDynamicallyExpandedHeader="false">
  <th class="rhc" align="left" isDrillEnabled="false"
    isDrillUpEnabled="true" tabindex="0" groupId="-1"
    cellId="0" cellType="Row" headerType="Kpi"
    isDrillDownEnabled="true" scope="row"
    style="color:#000000;background-color:#FCFCFC;
    border-color:#D0D8E5;font-family:Tahoma;
    font-size:8pt;vertical-align:middle;
    text-align:left;white-space:nowrap; ">
    <span> Internet Sales Amount </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer; "></a>

```

```

</th>
<td class="bsm-ustitle" align="left" tabindex="0"
    antaction="" ddenabled="False"
    cellpath="%2fLists%2fDashboard+Content%2f14_.000Actual"
    cellId="1" annotated="False" isCollapsed="false"
    decompenabled="False" ddTuplexml="&lt;_dd /&gt;"
    colspan="1"
    style="color:#000000;background-color:#FFFFFF;border-color:
        #D0D8E5;font-family:Tahoma;font-size:8pt;vertical-align:
        middle;text-align:left;white-space:nowrap;">
    <a class="bsm-Link" val="bsmval"
        style="color:#000000;cursor:pointer;"></a>
    <div class="ContainerCell">
        <span val="true" class="ItemCell"> $29,358,677.22 </span>
    </div>
</td>
<td class="bsm-ustitle" align="left" tabindex="0" antaction=""
    ddenabled="False"
    cellpath="%2fLists%2fDashboard+Content%2f14_.000Target"
    cellId="2" annotated="True" isCollapsed="false"
    decompenabled="False" ddTuplexml="&lt;_dd /&gt;"
    colspan="1"
    style="color:#000000;background-color:#FFFFFF;border-color:
        #D0D8E5;font-family:Tahoma;font-size:8pt;vertical-align:
        middle;text-align:left;white-space:nowrap;
        background-image:
        url(/_layouts/PPSWebParts/corner.gif);">
    <a class="bsm-Link" val="bsmval"
        style="color:#000000;cursor:pointer;"></a>
    <div class="ContainerCell">
        <span val="true" class="ItemCell"> $29,358,677.22 </span>
        <span style="vertical-align:middle;" class="ItemCell">
            
        </span>
        <span val="true" class="ItemCell"> 0% </span>
    </div>
</td>
</tr>
</table>
<a name="ctl100_m_pps_b1f9f743481a4d578ae7720305724002end"
    tabindex="0"></a>
</div>
</div>
</html>
<script>var target = document.getElementById(
    'ctl100_m_pps_b1f9f743481a4d578ae7720305724002');
if (null != target) { PPSMA.ClientConnectionManager.get_instance().
    updateParameters([{"ClientId":
        "ctl100_m_pps_b1f9f743481a4d578ae7720305724002",
        "Name":"3e8bf61c-2573-4ecc-b3ff-e64632d1dabd","Selections":[]},
        {"ClientId":"ctl100_m_pps_b1f9f743481a4d578ae7720305724002","Name":
        "7d251088-1de5-4ea2-9127-8cc364b7660c","Selections":[]},{ "ClientId":
        "ctl100_m_pps_b1f9f743481a4d578ae7720305724002","Name":
        "679c7d39-346f-4441-82df-85f7e5d093d1","Selections":[]},
        {"ClientId":"ctl100_m_pps_b1f9f743481a4d578ae7720305724002",
        "Name":"ba454826-5813-4bdd-b0fc-810de5e17898","Selections":[]}]};

```

```

        scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.initializeManager(); }
    </script>
<webPartContextUpdate>
  <ClientViewStateWrapper>
    <Keys>
      <string>StatusFilters</string>
      <string>ExpandedColumns</string>
      <string>ExpandedRows</string>
      <string>ScorecardId</string>
      <string>ConfiguredViewId</string>
      <string>ShowAnnotations</string>
      <string>ShowDetails</string>
      <string>PageFilters</string>
      <string>TimeIntelligenceCurrentTime</string>
      <string>TimeIntelligenceFormula</string>
      <string>ServiceUrl</string>
      <string>CommentsUrl</string>
      <string>ToolBarId</string>
      <string>ToolBarType</string>
      <string>TableId</string>
      <string>ViewTableType</string>
      <string>SortFilterType</string>
      <string>AccessibilityMode</string>
      <string>AllowFilter</string>
      <string>AllowSort</string>
      <string>AllowStatusFilter</string>
      <string>RollupType</string>
    </Keys>
    <Values>
      <string>[{"DisplayName":"On Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.3","IsSelected":false},
        {"DisplayName":"Slightly Off Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.2","IsSelected":false},
        {"DisplayName":"Off Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.1","IsSelected":false}]
      </string>
      <string>1:2</string>
      <string>1</string>
      <string>8f60f30d01a4dc3e61ea7e3e6b1e4b89</string>
      <string>50289e50956c420f9509d60199260bf4</string>
      <string>true</string>
      <string>true</string>
      <string>
        %3c%3fxml+version%3d%221.0%22+encoding%3d%22utf-
        16%22%3f%3e%0d%0a%3cmsfs+%2f%3e
      </string>
      <string></string>
      <string></string>
      <string>
        /_vti_bin/PPS/BIMonitoringRenderingService.
        asmx/RenderScorecardAjaxControl
      </string>
      <string>
        /_vti_bin/PPS/BIMonitoringRenderingService.
        asmx/ScorecardAjaxCommentsUpdate
      </string>
      <string>
        scctl00_m_pps_b1f9f743481a4d578ae7720305724002_scorecardToolbar
      </string>
    </Values>
  </ClientViewStateWrapper>
</webPartContextUpdate>

```



```

<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
                                Internal.ToolbarCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c
</string>
<string>
  scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002_tv
</string>
<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
                                Internal.ViewTableCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c
</string>
<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
                                Internal.SortAndFilterTableCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral,
  PublicKeyToken=71e9bce111e9429c
</string>
<string>false</string>
<string>true</string>
<string>true</string>
<string>true</string>
<string>None</string>
</Values>
</ClientViewStateWrapper>
</webPartContextUpdate>
</RenderScorecardResponse>
</s:Body>
</s:Envelope>

```

## 5 Security

### 5.1 Security Considerations for Implementers

**Secure Sockets Layer (SSL)** is required to securely implement this protocol. The protocol exposes data sources to potential tampering or data disclosure without SSL.

The security permissions for all **FirstClassElement** (see [\[MS-PPSAS\]](#)) objects are based on the SharePoint list (1) containing the object.

The security permissions for **Annotation** (see [\[MS-PPSAS\]](#)) are inherited from the parent **FirstClassElement** objects.

### 5.2 Index of Security Parameters

None.

## 6 Appendix A: Full WSDL

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://www.microsoft.com/performancepoint/scorecards"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:i0="http://www.microsoft.com/performancepoint/scorecards"
name="BIMonitoringServiceApplication"
targetNamespace="http://www.microsoft.com/performancepoint/scorecards"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema xmlns:tns="http://www.microsoft.com/performancepoint/scorecards"
attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="http://www.microsoft.com/performancepoint/scorecards"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:import namespace="http://www.w3.org/2001/XMLSchema" />
      <xs:import namespace="http://microsoft.com/wsdl/types/" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" />
      <xs:element name="UpdateSettingValue">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="value" type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="UpdateSettingValueResponse">
        <xs:complexType />
      </xs:element>
      <xs:element name="GetAnnotationSetting">
        <xs:complexType />
      </xs:element>
      <xs:element name="GetAnnotationSettingResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationSettingResult"
type="i0:AnnotationSetting" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:complexType name="AnnotationSetting">
        <xs:attribute name="IsAnnotationEnabled" type="xs:boolean" use="required" />
        <xs:attribute name="IsAnnotationEnabledDefault" type="xs:boolean" use="required" />
        <xs:attribute name="IsDeletionByAuthorEnabled" type="xs:boolean" use="required" />
        <xs:attribute name="IsDeletionByAuthorEnabledDefault" type="xs:boolean"
use="required" />
        <xs:attribute name="MaxAnnotationAllowed" type="xs:int" use="required" />
      </xs:complexType>
      <xs:element name="GetDependentElements">
        <xs:complexType>
          <xs:sequence>
```

```

        <xs:element minOccurs="0" maxOccurs="1" name="missingItems"
type="i0:ArrayOfRepositoryLocation" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfRepositoryLocation">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="RepositoryLocation"
nillable="true" type="i0:RepositoryLocation" />
    </xs:sequence>
</xs:complexType>
<xs:element name="FirstClassObjectType" type="i0:FirstClassObjectType" />
<xs:simpleType name="FirstClassObjectType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Kpi" />
        <xs:enumeration value="Scorecard" />
        <xs:enumeration value="ReportView" />
        <xs:enumeration value="Indicator" />
        <xs:enumeration value="DataSource" />
        <xs:enumeration value="Dashboard" />
        <xs:enumeration value="TempReportView" />
        <xs:enumeration value="Filter" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="RepositoryLocation">
    <xs:attribute name="ItemUrl" type="xs:string" use="required" />
    <xs:attribute default="None" name="ItemType" type="i0:FirstClassObjectType"
use="optional" />
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="ItemGuid"
use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000"
name="SpSiteCollectionGuid" use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="SpSiteGuid"
use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="SpListGuid"
use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">

```

```

        <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>
<xs:element name="GetDependentElementsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetDependentElementsResult"
type="i0:DependentElementInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="DependentElementInfo">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="DependentLists"
type="i0:ArrayOfRepositoryList" />
    <xs:element minOccurs="0" maxOccurs="1" name="DependentElements"
type="i0:ArrayOfFirstClassElement" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfRepositoryList">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="RepositoryList"
nillable="true" type="i0:RepositoryList" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="RepositoryList">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Location">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="xs:schema" />
          <xs:any />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element minOccurs="1" maxOccurs="1" name="SupportedTypes"
type="i0:FCOContentType" />
    <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string" />
    <xs:element xmlns:q1="http://microsoft.com/wsd/types/" minOccurs="1" maxOccurs="1"
name="ListId" type="q1:guid" />
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="FCOContentType">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="PpsDashboard" />
        <xs:enumeration value="PpsScorecard" />
        <xs:enumeration value="PpsKpi" />
        <xs:enumeration value="PpsReportView" />
        <xs:enumeration value="PpsIndicator" />
        <xs:enumeration value="PpsDataSource" />
        <xs:enumeration value="PpsFilter" />
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>

```

```

        </xs:list>
    </xs:simpleType>
    <xs:complexType name="ArrayOfFirstClassElement">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="FirstClassElement"
nillable="true" type="i0:FirstClassElement" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="FirstClassElement" abstract="true">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:Element">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="Version" type="i0:ElementVersion"
/>
                    <xs:element minOccurs="0" maxOccurs="1" name="Location"
type="i0:RepositoryLocation" />
                </xs:sequence>
                <xs:attribute name="Folder" type="xs:string" />
                <xs:attribute name="CreatedBy" type="xs:string" />
                <xs:attribute name="CreatedDate" type="xs:dateTime" use="required" />
                <xs:attribute name="ContentType" type="i0:FCOContentType" use="required" />
                <xs:attribute name="LastModified" type="xs:dateTime" use="required" />
                <xs:attribute name="ModifiedBy" type="xs:string" />
                <xs:attribute name="CheckedOutTo" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="Element" abstract="true">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="i0:ArrayOfBpmProperty" />
            <xs:element minOccurs="0" maxOccurs="1" name="Comments" type="i0:ArrayOfComment" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ArrayOfBpmProperty">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="BpmProperty" nillable="true"
type="i0:BpmProperty" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="BpmProperty" abstract="true">
        <xs:attribute name="UniqueName" type="xs:string" />
        <xs:attribute name="DisplayName" type="xs:string" />
        <xs:attribute name="Description" type="xs:string" />
        <xs:attribute name="Required" type="xs:boolean" use="required" />
        <xs:attribute name="Visible" type="xs:boolean" use="required" />
    </xs:complexType>
    <xs:complexType name="BpmPropertyUser">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Login" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyBool">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Value" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

```

```

        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyDecimal">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Decimal" type="xs:decimal" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyList">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="ListItems"
type="i0:ArrayOfBpmPropertyListItem" />
                </xs:sequence>
                <xs:attribute name="SelectedIndex" type="xs:int" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ArrayOfBpmPropertyListItem">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="BpmPropertyListItem"
nillable="true" type="i0:BpmPropertyListItem" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="BpmPropertyListItem">
        <xs:attribute name="Name" type="xs:string" />
        <xs:attribute name="Value" type="xs:string" />
    </xs:complexType>
    <xs:complexType name="BpmPropertyDate">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Date" type="xs:dateTime" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyLongText">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Text" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyText">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Text" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyLinkBase">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Hyperlink" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyHyperlink">

```

```

        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmPropertyLinkBase" />
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyHyperlink2">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmPropertyLinkBase" />
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ArrayOfComment">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="Comment" nillable="true"
type="i0:Comment" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Comment">
        <xs:attribute xmlns:q2="http://microsoft.com/wsdl/types/" name="Guid" type="q2:guid"
use="required" />
        <xs:attribute name="CreatedBy" type="xs:string" />
        <xs:attribute name="CreatedDate" type="xs:dateTime" use="required" />
        <xs:attribute name="Message" type="xs:string" />
    </xs:complexType>
    <xs:complexType name="SecondClassElement" abstract="true">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:Element">
                <xs:attribute xmlns:q3="http://microsoft.com/wsdl/types/" name="Guid"
type="q3:guid" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ConfiguredView">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:SecondClassElement">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="unbounded" name="StatusFilters"
type="i0:StatusFilter" />
                    <xs:element minOccurs="0" maxOccurs="1" name="ToolbarOptions"
type="i0:ToolbarOptions" />
                    <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="GridViewDefinition"
type="i0:GridViewDefinition" />
                </xs:sequence>
                <xs:attribute name="AllowStatusFilter" type="xs:boolean" use="required" />
                <xs:attribute name="AllowFilter" type="xs:boolean" use="required" />
                <xs:attribute name="AllowSort" type="xs:boolean" use="required" />
                <xs:attribute name="AllowAnnotations" type="xs:boolean" use="required" />
                <xs:attribute name="EmptyRowsFilterMode" type="i0:ScorecardEmptyRowsFilterMode"
use="required" />
                <xs:attribute name="AllowShowDetails" type="xs:boolean" use="required" />
                <xs:attribute name="EnableTextwrap" type="xs:boolean" use="required" />
                <xs:attribute name="AllowDynamicRowMemberExpansion" type="xs:boolean"
use="required" />
                <xs:attribute name="AllowDynamicColumnMemberExpansion" type="xs:boolean"
use="required" />
                <xs:attribute name="AllowRowDrill" type="xs:boolean" use="required" />
                <xs:attribute name="AllowColumnDrill" type="xs:boolean" use="required" />
                <xs:attribute name="AlwaysShowAnnotationCellFlags" type="xs:boolean"
use="required" />
                <xs:attribute name="ExpandToFitWidth" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

```



```

        <xs:attribute name="HideScorecard" type="xs:boolean" use="required" />
        <xs:attribute name="ShowStatusFiltersByDefault" type="xs:boolean" use="required"
/>
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="StatusFilter">
    <xs:attribute xmlns:q4="http://microsoft.com/wsdl/types/"
name="IndicatorLocationGuid" type="q4:guid" use="required" />
    <xs:attribute name="BandIndex" type="xs:int" use="required" />
</xs:complexType>
<xs:complexType name="ToolbarOptions">
    <xs:attribute name="ShowInlineText" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolbar" type="xs:boolean" use="required" />
    <xs:attribute name="ShowStatusFilter" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolTips" type="xs:boolean" use="required" />
    <xs:attribute name="ShowCollapse" type="xs:boolean" use="required" />
    <xs:attribute name="ShowMode" type="xs:boolean" use="required" />
    <xs:attribute name="ShowExpand" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolbarItemsLabel" type="xs:boolean" use="required" />
    <xs:attribute name="ShowDefaultRollup" type="xs:boolean" use="required" />
    <xs:attribute name="ShowWorstChildRollup" type="xs:boolean" use="required" />
    <xs:attribute name="ShowIndicatorCount" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="GridViewDefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="CornerCellFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRowHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultColumnHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootRowHeader"
type="i0:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootColumnHeader"
type="i0:GridHeaderItem" />
        <xs:element xmlns:q5="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="DefaultRollupIndicatorId" type="q5:guid" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRollupIndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PreQueryTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PostQueryTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PreRenderTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PerUserTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellBorderColor" type="i0:GridColor"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellBorderColor"
type="i0:GridColor" />
    </xs:sequence>
    <xs:attribute name="EmptyCell" type="xs:string" />
    <xs:attribute name="InvalidCell" type="xs:string" />
    <xs:attribute name="ShowGridLines" type="xs:boolean" use="required" />
    <xs:attribute name="ShowHiddenHeaders" type="xs:boolean" use="required" />
    <xs:attribute name="ShowMetricHeaders" type="xs:boolean" use="required" />

```

```

    <xs:attribute name="ShowPlusMinus" type="xs:boolean" use="required" />
  </xs:complexType>
  <xs:complexType name="GridFormatInfo">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="FontInfo" type="i0:GridFontInfo" />
      <xs:element minOccurs="0" maxOccurs="1" name="ForeColor" type="i0:GridColor" />
      <xs:element minOccurs="0" maxOccurs="1" name="BackColor" type="i0:GridColor" />
    </xs:sequence>
    <xs:attribute name="TextWrap" type="i0:Trinary" use="required" />
    <xs:attribute name="VerticalAlignment" type="i0:VerticalAlignments" use="required" />
    <xs:attribute name="HorizontalAlignment" type="i0:HorizontalAlignments"
use="required" />
  </xs:complexType>
  <xs:complexType name="GridFontInfo">
    <xs:attribute name="FamilyName" type="xs:string" />
    <xs:attribute name="SizeInPoints" type="xs:float" use="required" />
    <xs:attribute name="Bold" type="i0:Trinary" use="required" />
    <xs:attribute name="Italic" type="i0:Trinary" use="required" />
    <xs:attribute name="Underline" type="i0:Trinary" use="required" />
    <xs:attribute name="Strikeout" type="i0:Trinary" use="required" />
  </xs:complexType>
  <xs:simpleType name="Trinary">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Undefined" />
      <xs:enumeration value="False" />
      <xs:enumeration value="True" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="GridColor">
    <xs:attribute name="A" type="xs:unsignedByte" use="required" />
    <xs:attribute name="R" type="xs:unsignedByte" use="required" />
    <xs:attribute name="G" type="xs:unsignedByte" use="required" />
    <xs:attribute name="B" type="xs:unsignedByte" use="required" />
  </xs:complexType>
  <xs:simpleType name="VerticalAlignments">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Undefined" />
      <xs:enumeration value="Top" />
      <xs:enumeration value="Middle" />
      <xs:enumeration value="Bottom" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="HorizontalAlignments">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Undefined" />
      <xs:enumeration value="Left" />
      <xs:enumeration value="Center" />
      <xs:enumeration value="Right" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="GridHeaderItem">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="HeaderFormatInfo"
type="i0:GridFormatInfo" />
      <xs:element minOccurs="0" maxOccurs="1" name="CellFormatInfo"
type="i0:GridFormatInfo" />
      <xs:element minOccurs="0" maxOccurs="1" name="Children"
type="i0:ArrayOfGridHeaderItem" />
      <xs:element minOccurs="0" maxOccurs="1" name="SerializeTag" />
    </xs:sequence>
  </xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="DimensionMember" type="i0:Member" />
        <xs:element minOccurs="0" maxOccurs="1" name="OverrideIndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="Banding" type="i0:Banding" />
        <xs:element minOccurs="0" maxOccurs="1" name="LinkedKpiLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="BpmProperties"
type="i0:ArrayOfBpmProperty" />
        <xs:element minOccurs="0" maxOccurs="1" name="TargetSettings"
type="i0:GridTargetSettings" />
        <xs:element minOccurs="0" maxOccurs="1" name="TrendIndicatorLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
    <xs:attribute name="Id" type="xs:int" use="required" />
    <xs:attribute xmlns:q6="http://microsoft.com/wsdl/types/" name="Guid" type="q6:guid"
use="required" />
    <xs:attribute xmlns:q7="http://microsoft.com/wsdl/types/" name="DefinitionGuid"
type="q7:guid" use="required" />
    <xs:attribute name="DisplayText" type="xs:string" />
    <xs:attribute name="DimensionName" type="xs:string" />
    <xs:attribute name="DimensionValue" type="xs:string" />
    <xs:attribute name="HeaderType" type="i0:ScorecardNodeTypes" use="required" />
    <xs:attribute name="GroupId" type="xs:int" use="required" />
    <xs:attribute name="Depth" type="xs:int" use="required" />
    <xs:attribute name="DescendantSpan" type="xs:int" use="required" />
    <xs:attribute name="LeafSpan" type="xs:int" use="required" />
    <xs:attribute name="IsCollapsed" type="xs:boolean" use="required" />
    <xs:attribute name="IsDynamicCellExpansionEnabled" type="xs:boolean" use="required"
/>

    <xs:attribute name="IsDrillEnabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDrillDownDisabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDrillUpDisabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDynamicallyExpandedHeader" type="xs:boolean" use="required" />
    <xs:attribute name="IsCellHidden" type="xs:boolean" use="required" />
    <xs:attribute name="IsPathHidden" type="xs:boolean" use="required" />
    <xs:attribute name="IsHiddenBasedOnFilterStatus" type="xs:boolean" use="required" />
    <xs:attribute name="NamedSetExpression" type="xs:string" />
    <xs:attribute name="CustomSetFormula" type="xs:string" />
    <xs:attribute name="IsNamedSetInError" type="xs:boolean" use="required" />
    <xs:attribute name="IsNamedSetEmpty" type="xs:boolean" use="required" />
    <xs:attribute name="NamedSetType" type="i0:ScorecardNamedSetType" use="required" />
    <xs:attribute name="UseLinkedElementDisplayText" type="xs:boolean" use="required" />
    <xs:attribute name="Hyperlink" type="xs:string" />
    <xs:attribute name="ShowHyperlinkInNewWindow" type="xs:boolean" use="required" />
    <xs:attribute name="IsHierarchyHeader" type="xs:boolean" use="required" />
    <xs:attribute name="IsColumnHeader" type="xs:boolean" use="required" />
    <xs:attribute name="AppendFilterInfoToHyperlink" type="xs:boolean" use="required" />
    <xs:attribute name="Weight" type="xs:decimal" use="required" />
    <xs:attribute name="KpiTargetName" type="xs:string" />
    <xs:attribute name="AggregationType" type="i0:HeaderAggregationTypes" use="required"
/>

</xs:complexType>
<xs:complexType name="ArrayOfGridHeaderItem">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridHeaderItem"
nillable="true" type="i0:GridHeaderItem" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="Member">
    <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="MemberOperation"
type="i0:MemberOperation" />
    </xs:sequence>
    <xs:attribute name="Caption" type="xs:string" />
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="HierarchyPath" type="xs:string" />
    <xs:attribute name="LevelName" type="xs:string" />
    <xs:attribute name="DimensionName" type="xs:string" />
    <xs:attribute name="LevelDepth" type="xs:int" use="required" />
    <xs:attribute name="ChildCount" type="xs:long" use="required" />
    <xs:attribute name="IsChildCountReal" type="xs:boolean" use="required" />
    <xs:attribute name="IsAllLevel" type="xs:boolean" use="required" />
    <xs:attribute name="DimensionUniqueName" type="xs:string" />
    <xs:attribute name="MemberType" type="i0:MemberType" use="required" />
</xs:complexType>
<xs:complexType name="MemberOperation" abstract="true" />
<xs:complexType name="MemberOperationDrillUp">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationChildren">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationAllDescendants">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationLeafDescendants">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationHide">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationDescendants">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation">
            <xs:attribute name="LevelUniqueName" type="xs:string" />
            <xs:attribute name="LevelDisplayName" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:simpleType name="MemberType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Regular" />
        <xs:enumeration value="Operation" />
        <xs:enumeration value="Default" />
        <xs:enumeration value="Formula" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="CalculatedMember">
    <xs:complexContent mixed="false">

```

```

        <xs:extension base="i0:Member">
            <xs:attribute name="Expression" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="Banding">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="CustomBoundary"
type="i0:ArrayOfDecimal" />
    </xs:sequence>
    <xs:attribute name="Type" type="i0:BandType" use="required" />
    <xs:attribute name="BandValue" type="xs:string" />
    <xs:attribute name="ActualWorst" type="xs:decimal" use="required" />
    <xs:attribute name="SpreadMinimum" type="xs:decimal" use="required" />
    <xs:attribute name="SpreadMaximum" type="xs:decimal" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfDecimal">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="decimal" type="xs:decimal" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="BandType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Normalized" />
        <xs:enumeration value="Actual" />
        <xs:enumeration value="StatedScore" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridTargetSettings">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="VarianceSettings"
type="i0:GridVarianceSettings" />
        <xs:element minOccurs="1" maxOccurs="1" name="FilterEmptyRows" type="xs:boolean" />
        <xs:element minOccurs="1" maxOccurs="1" name="Position" type="i0:DataValuePosition"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="PositionActual"
type="i0:DataValuePosition" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScoreSettings"
type="i0:GridScoreSettings" />
        <xs:element minOccurs="0" maxOccurs="1" name="IndicatorSettings"
type="i0:GridIndicatorSettings" />
    </xs:sequence>
    <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
    <xs:attribute name="ShowActualAsTarget" type="xs:boolean" use="required" />
    <xs:attribute name="IgnoreScoreFilter" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="GridVarianceSettings">
    <xs:attribute name="NumDecimalPlaces" type="xs:int" use="required" />
    <xs:attribute name="VarianceType" type="i0:VarianceType" use="required" />
    <xs:attribute name="DisplayType" type="i0:VarianceDisplayType" use="required" />
    <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
    <xs:attribute name="Position" type="i0:DataValuePosition" use="required" />
</xs:complexType>
<xs:simpleType name="VarianceType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="VarianceToTarget" />
        <xs:enumeration value="VarianceToBestTarget" />
    </xs:restriction>
</xs:simpleType>

```

```

<xs:simpleType name="VarianceDisplayType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ShowPercent" />
    <xs:enumeration value="ShowValue" />
    <xs:enumeration value="ShowInvertedPercent" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DataValuePosition">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Left" />
    <xs:enumeration value="Right" />
    <xs:enumeration value="NotDisplayed" />
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridScoreSettings">
  <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
  <xs:attribute name="ScoreType" type="i0:ScoreTypes" use="required" />
  <xs:attribute name="RollupType" type="i0:RollupTypes" use="required" />
  <xs:attribute name="Position" type="i0:DataValuePosition" use="required" />
</xs:complexType>
<xs:simpleType name="ScoreTypes">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Normalized" />
    <xs:enumeration value="Raw" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="RollupTypes">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None" />
    <xs:enumeration value="AverageWeighted" />
    <xs:enumeration value="WorstChild" />
    <xs:enumeration value="IndicatorCount" />
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridIndicatorSettings">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="Position" type="i0:IndicatorPosition"
/>
    </xs:sequence>
    <xs:attribute name="ShowImage" type="xs:boolean" use="required" />
    <xs:attribute name="ShowText" type="xs:boolean" use="required" />
    <xs:attribute name="ShowForeColor" type="xs:boolean" use="required" />
    <xs:attribute name="ShowBackColor" type="xs:boolean" use="required" />
  </xs:complexType>
<xs:simpleType name="IndicatorPosition">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Left" />
    <xs:enumeration value="Right" />
    <xs:enumeration value="Center" />
    <xs:enumeration value="NotDisplayed" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ScorecardNodeTypes">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Member" />
        <xs:enumeration value="Kpi" />

```

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        <xs:enumeration value="KpiActual" />
        <xs:enumeration value="KpiTarget" />
        <xs:enumeration value="ScorecardDetails" />
        <xs:enumeration value="DocumentLinks" />
        <xs:enumeration value="NamedSet" />
        <xs:enumeration value="Aggregate" />
    </xs:restriction>
</xs:simpleType>
</xs:list>
</xs:simpleType>
<xs:simpleType name="ScorecardNamedSetType">
    <xs:list>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="None" />
                <xs:enumeration value="NamedSet" />
                <xs:enumeration value="CustomFormula" />
                <xs:enumeration value="TimeFormula" />
            </xs:restriction>
        </xs:simpleType>
    </xs:list>
</xs:simpleType>
<xs:simpleType name="HeaderAggregationTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Average" />
        <xs:enumeration value="Min" />
        <xs:enumeration value="Max" />
        <xs:enumeration value="Trend" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridViewTransformReference">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Parameters" type="i0:PropertyBag" />
    </xs:sequence>
    <xs:attribute name="Id" type="xs:string" />
</xs:complexType>
<xs:complexType name="PropertyBag">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfChoice1" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfChoice1">
    <xs:choice minOccurs="0" maxOccurs="unbounded">
        <xs:element xmlns:q8="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="char" type="q8:char" />
        <xs:element minOccurs="1" maxOccurs="1" name="ArrayOfMemberTransform"
nillable="true" type="i0:ArrayOfMemberTransform" />
        <xs:element minOccurs="1" maxOccurs="1" name="int" type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="double" type="xs:double" />
    </xs:choice>
</xs:complexType>

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        <xs:element minOccurs="1" maxOccurs="1" name="string" nillable="true"
type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="dateTime" type="xs:dateTime" />
        <xs:element minOccurs="1" maxOccurs="1" name="decimal" type="xs:decimal" />
        <xs:element xmlns:q9="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="guid" type="q9:guid" />
        <xs:element minOccurs="1" maxOccurs="1" name="ArrayOfString" nillable="true"
type="i0:ArrayOfString" />
        <xs:element minOccurs="1" maxOccurs="1" name="ArrayOfMember" nillable="true"
type="i0:ArrayOfMember" />
    </xs:choice>
</xs:complexType>
<xs:complexType name="ArrayOfMemberTransform">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="MemberTransform"
nillable="true" type="i0:MemberTransform" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="MemberTransform">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GroupId" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellPath" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="Type" type="i0:MemberTransformType"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="Operation"
type="i0:MemberTransformOperation" />
        <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="MemberTransformType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Row" />
        <xs:enumeration value="Column" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MemberTransformOperation">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Replace" />
        <xs:enumeration value="DrillUp" />
        <xs:enumeration value="DrillDown" />
        <xs:enumeration value="Expand" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfMember">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Member" nillable="true"
type="i0:Member" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="ScorecardEmptyRowsFilterMode">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="AllValuesAreEmpty" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DashboardElement" abstract="true">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:SecondClassElement">
            <xs:sequence>

```



```

        <xs:element minOccurs="0" maxOccurs="1" name="Height"
type="i0:DashboardElementSize" />
        <xs:element minOccurs="0" maxOccurs="1" name="Width"
type="i0:DashboardElementSize" />
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="DashboardElementSize">
    <xs:attribute name="Measurement" type="xs:int" use="required" />
    <xs:attribute name="Units" type="i0:SizeType" use="required" />
</xs:complexType>
<xs:simpleType name="SizeType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="AutoSize" />
        <xs:enumeration value="Absolute" />
        <xs:enumeration value="Percent" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DashboardElementContainer">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:DashboardElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="DashboardElements"
type="i0:ArrayOfDashboardElement" />
            </xs:sequence>
            <xs:attribute name="Orientation" type="i0:LayoutOrientation" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfDashboardElement">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DashboardElement"
nillable="true" type="i0:DashboardElement" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="LayoutOrientation">
    <xs:restriction base="xs:string">
        <xs:enumeration value="HorizontalLeftJustified" />
        <xs:enumeration value="HorizontalRightJustified" />
        <xs:enumeration value="VerticalBottomJustified" />
        <xs:enumeration value="VerticalTopJustified" />
        <xs:enumeration value="Stacked" />
        <xs:enumeration value="Hidden" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DashboardItem">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:DashboardElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="InboundParameters"
type="i0:ArrayOfParameterMapping" />
                <xs:element minOccurs="0" maxOccurs="1" name="UnderlyingElementLocation"
type="i0:RepositoryLocation" />
            </xs:sequence>
            <xs:attribute name="UnderlyingElementTypeName" type="xs:string" />
            <xs:attribute name="AutoSizeWidth" type="xs:boolean" use="required" />
            <xs:attribute name="AutoSizeHeight" type="xs:boolean" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

```

        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ArrayOfParameterMapping">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterMapping"
nillable="true" type="i0:ParameterMapping" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ParameterMapping">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ConditionalData">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
        <xs:attribute name="EndPointUniqueName" type="xs:string" />
        <xs:attribute xmlns:q10="http://microsoft.com/wsdl/types/" name="Id" type="q10:guid"
use="required" />
        <xs:attribute name="SourceColumnName" type="xs:string" />
        <xs:attribute xmlns:q11="http://microsoft.com/wsdl/types/" name="DashboardItemId"
type="q11:guid" use="required" />
        <xs:attribute name="ParameterUniqueName" type="xs:string" />
        <xs:attribute name="PostFormula" type="xs:string" />
        <xs:attribute name="IsConditionalDataEnabled" type="xs:boolean" use="required" />
        <xs:attribute name="IsDefaultVisibility" type="xs:boolean" use="required" />
    </xs:complexType>
    <xs:complexType name="KpiMeasure">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:SecondClassElement">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="OwnerKpiLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="DefaultDimensionSettings"
type="i0:ArrayOfDefaultDimensionSetting" />
                    <xs:element minOccurs="0" maxOccurs="1" name="OverrideFormatProperties"
type="i0:KpiNumberFormatProperties" />
                    <xs:element minOccurs="0" maxOccurs="1" name="CalcFormulaInfo"
type="i0:CalculatedFormulaInfo" />
                </xs:sequence>
                <xs:attribute name="AggregateBy" type="i0:AggregateTypeEnum" use="required" />
                <xs:attribute name="DisableScorecardFilters" type="xs:boolean" use="required" />
                <xs:attribute name="ModelCurrent" type="xs:decimal" use="required" />
                <xs:attribute name="Pattern" type="i0:KpiPattern" use="required" />
                <xs:attribute name="CurrentFormula" type="xs:string" />
                <xs:attribute name="IsCustomCurrentFormula" type="xs:boolean" use="required" />
                <xs:attribute name="OdbcQuery" type="xs:string" />
                <xs:attribute name="OverrideHoverText" type="xs:string" />
                <xs:attribute name="TimeFilterFormula" type="xs:string" />
                <xs:attribute name="ValueSource" type="i0:ValueSources" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

```

```

<xs:complexType name="ArrayOfDefaultDimensionSetting">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DefaultDimensionSetting"
nillable="true" type="i0:DefaultDimensionSetting" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="DefaultDimensionSetting">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:Dimension">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Members" type="i0:Member"
/>
        </xs:sequence>
        <xs:attribute name="IsVisible" type="xs:boolean" use="required" />
        <xs:attribute name="ShowAsSlider" type="xs:boolean" use="required" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
<xs:complexType name="Dimension">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="MeasureGroupNames"
type="i0:ArrayOfString" />
        <xs:element minOccurs="1" maxOccurs="1" name="Type" type="i0:DimensionTypeEnum"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="Hierarchies"
type="i0:ArrayOfHierarchy" />
        <xs:element minOccurs="0" maxOccurs="1" name="Levels" type="i0:ArrayOfLevel" />
      </xs:sequence>
      <xs:attribute name="IsMeasureDimension" type="xs:boolean" use="required" />
      <xs:attribute name="DefaultMemberName" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="NameInfo">
  <xs:attribute name="DisplayName" type="xs:string" />
  <xs:attribute name="UniqueName" type="xs:string" />
  <xs:attribute name="Description" type="xs:string" />
</xs:complexType>
<xs:complexType name="Level">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:attribute name="DimensionUniqueName" type="xs:string" />
      <xs:attribute name="HierarchyUniqueName" type="xs:string" />
      <xs:attribute name="IsAllLevel" type="xs:boolean" use="required" />
      <xs:attribute name="LevelNumber" type="xs:int" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="Hierarchy">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Levels" type="i0:ArrayOfLevel" />
      </xs:sequence>
      <xs:attribute name="DefaultMemberName" type="xs:string" />
      <xs:attribute name="DimensionUniqueName" type="xs:string" />
      <xs:attribute name="DisplayFolder" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```

        <xs:attribute name="HierarchyOrigin" type="i0:HierarchyOrigin" use="required" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfLevel">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Level" nillable="true"
type="i0:Level" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="HierarchyOrigin">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="AttributeHierarchy" />
        <xs:enumeration value="ParentChildHierarchy" />
        <xs:enumeration value="UserHierarchy" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DimensionTypeEnum">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Accounts" />
        <xs:enumeration value="BillOfMaterials" />
        <xs:enumeration value="Channel" />
        <xs:enumeration value="Currency" />
        <xs:enumeration value="Customers" />
        <xs:enumeration value="Geography" />
        <xs:enumeration value="Measure" />
        <xs:enumeration value="Organization" />
        <xs:enumeration value="Other" />
        <xs:enumeration value="Products" />
        <xs:enumeration value="Promotion" />
        <xs:enumeration value="Quantitative" />
        <xs:enumeration value="Rates" />
        <xs:enumeration value="Scenario" />
        <xs:enumeration value="Time" />
        <xs:enumeration value="Unknown" />
        <xs:enumeration value="Utility" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfHierarchy">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Hierarchy" nillable="true"
type="i0:Hierarchy" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="KpiNumberFormatProperties">
    <xs:attribute name="Multiplier" type="xs:decimal" use="required" />
    <xs:attribute name="FormatType" type="i0:FormatType" use="required" />
    <xs:attribute name="CurrencySymbol" type="xs:string" />
    <xs:attribute name="DecimalPlaces" type="xs:int" use="required" />
    <xs:attribute name="NegativeSymbol" type="i0:FormatNegativeSymbol" use="required" />
    <xs:attribute name="ShowZeroAs" type="xs:string" />
    <xs:attribute name="UseThousandsSeparator" type="xs:boolean" use="required" />
    <xs:attribute name="AdditionalTextLeft" type="xs:string" />
    <xs:attribute name="AdditionalTextRight" type="xs:string" />
</xs:complexType>
<xs:simpleType name="FormatType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Default" />

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```

        <xs:enumeration value="Number" />
        <xs:enumeration value="Currency" />
        <xs:enumeration value="Percentage" />
        <xs:enumeration value="Unknown" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="FormatNegativeSymbol">
    <xs:restriction base="xs:string">
        <xs:enumeration value="NegativeSign" />
        <xs:enumeration value="Parenthesis" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="CalculatedFormulaInfo">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="AliasInfoCollection"
type="i0:ArrayOfAliasInfo" />
    </xs:sequence>
    <xs:attribute name="Formula" type="xs:string" />
</xs:complexType>
<xs:complexType name="ArrayOfAliasInfo">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AliasInfo" nillable="true"
type="i0:AliasInfo" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="AliasInfo">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="AliasCalculationInfo"
type="i0:KpiMeasure" />
    </xs:sequence>
    <xs:attribute name="AliasName" type="xs:string" />
</xs:complexType>
<xs:simpleType name="AggregateTypeEnum">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Default" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Minimum" />
        <xs:enumeration value="Maximum" />
        <xs:enumeration value="Count" />
        <xs:enumeration value="Average" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="KpiPattern">
    <xs:restriction base="xs:string">
        <xs:enumeration value="IncreasingIsBetter" />
        <xs:enumeration value="DecreasingIsBetter" />
        <xs:enumeration value="CloserToTargetIsBetter" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ValueSources">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Default" />
        <xs:enumeration value="NoValue" />
        <xs:enumeration value="SourceData" />
        <xs:enumeration value="Text" />
        <xs:enumeration value="AverageRollup" />
        <xs:enumeration value="MinRollup" />
        <xs:enumeration value="MaxRollup" />
        <xs:enumeration value="TotalRollup" />
    </xs:restriction>
</xs:simpleType>

```

```

        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="Target">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:KpiMeasure">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="StatedScore" type="i0:KpiMeasure"
/>
                    <xs:element minOccurs="0" maxOccurs="1" name="Banding" type="i0:Banding" />
                    <xs:element xmlns:q12="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="RelatedActualId" type="q12:guid" />
                </xs:sequence>
                <xs:attribute name="IsRollupScore" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ElementVersion">
        <xs:attribute name="Major" type="xs:int" use="required" />
        <xs:attribute name="Minor" type="xs:int" use="required" />
    </xs:complexType>
    <xs:complexType name="Indicator">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:FirstClassElement">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="NoDataIndicatorBand"
type="i0:IndicatorBand" />
                    <xs:element minOccurs="0" maxOccurs="1" name="IndicatorBands"
type="i0:ArrayOfIndicatorBand" />
                </xs:sequence>
                <xs:attribute name="IndicatorType" type="i0:IndicatorType" use="required" />
                <xs:attribute name="IsBuiltIn" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="IndicatorBand">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ImageData" type="xs:string" />
        </xs:sequence>
        <xs:attribute name="Color" type="xs:string" />
        <xs:attribute name="BackColor" type="xs:string" />
        <xs:attribute name="ToolTip" type="xs:string" />
    </xs:complexType>
    <xs:complexType name="ArrayOfIndicatorBand">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="IndicatorBand"
nillable="true" type="i0:IndicatorBand" />
        </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="IndicatorType">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Standard" />
            <xs:enumeration value="Centered" />
        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="Scorecard">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:FirstClassElement">

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```

        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ConfiguredViews"
type="i0:ArrayOfConfiguredView" />
            <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="i0:ArrayOfEndPoint" />
            <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="i0:ArrayOfParameterDefinition" />
        </xs:sequence>
        <xs:attribute name="RendererClassName" type="xs:string" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfConfiguredView">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ConfiguredView"
nillable="true" type="i0:ConfiguredView" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfEndPoint">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="EndPoint" nillable="true"
type="i0:EndPoint" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="EndPoint">
    <xs:attribute name="Category" type="i0:EndPointCategory" use="required" />
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="DisplayName" type="xs:string" />
    <xs:attribute name="AcceptsMultipleFilterLinks" type="xs:boolean" use="required" />
</xs:complexType>
<xs:simpleType name="EndPointCategory">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Axis" />
        <xs:enumeration value="ColumnHierarchy" />
        <xs:enumeration value="RowHierarchy" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfParameterDefinition">
    <xs:sequence>
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nillable="true" type="i0:ParameterDefinition" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ParameterDefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ParameterUniqueName" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayValues">
            <xs:complexType>
                <xs:sequence>
                    <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                    <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element minOccurs="0" maxOccurs="1" name="CustomDefinition" type="xs:string" />
    </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="ParameterProviderId" type="xs:string"
    />
    <xs:element minOccurs="0" maxOccurs="1" name="DisplayName" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="EmitterType"
type="i0:BeginPointEmitterType" />
    <xs:element minOccurs="0" maxOccurs="1" name="KeyColumn" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="ParentKeyColumn" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="DisplayColumn" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="IsDefaultColumn" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="DefaultPostFormula" type="xs:string"
    />
</xs:sequence>
</xs:complexType>
<xs:simpleType name="BeginPointEmitterType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="BothAConditionalVisibilityAndParameterEmitter" />
        <xs:enumeration value="ConditionalVisibilityEmitter" />
        <xs:enumeration value="ParameterEmitter" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="Filter">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="i0:ArrayOfParameterDefinition" />
                <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="i0:RepositoryLocation" />
                <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="i0:ArrayOfEndPoint" />
            </xs:sequence>
            <xs:attribute name="SubTypeId" type="xs:string" />
            <xs:attribute name="ReadOnly" type="xs:boolean" use="required" />
            <xs:attribute name="SelectionMode" type="i0:FilterSelectionMode" use="required"
    />
            <xs:attribute name="Visualization" type="xs:string" />
            <xs:attribute name="RendererClassName" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:simpleType name="FilterSelectionMode">
    <xs:restriction base="xs:string">
        <xs:enumeration value="SingleSelect" />
        <xs:enumeration value="MultiSelect" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DataSource">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="CustomTimeIntelligenceSettings"
type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="DataTableMapping"
type="i0:DataTableMapping" />
            </xs:sequence>
            <xs:attribute name="SourceName" type="xs:string" />
            <xs:attribute name="ServerName" type="xs:string" />
            <xs:attribute name="DatabaseName" type="xs:string" />

```



```

        <xs:attribute name="CubeName" type="xs:string" />
        <xs:attribute name="CubeDisplayName" type="xs:string" />
        <xs:attribute name="FormattingDimensionName" type="xs:string" />
        <xs:attribute name="FormattingDimensionDisplayName" type="xs:string" />
        <xs:attribute name="FormattingDimensionType" type="i0:DimensionTypeEnum"
use="required" />
        <xs:attribute name="ConnectionString" type="xs:string" />
        <xs:attribute name="Roles" type="xs:string" />
        <xs:attribute name="UseConnectionString" type="xs:boolean" use="required" />
        <xs:attribute name="ConnectionContext" type="i0:ConnectionContext" use="required"
/>

        <xs:attribute name="PassUserNameAsAdomdCustomData" type="xs:boolean"
use="required" />
        <xs:attribute name="ReadOnly" type="xs:boolean" use="required" />
        <xs:attribute name="MinutesToCache" type="xs:int" use="required" />
        <xs:attribute name="ServerMajorVersion" type="xs:int" use="required" />
        <xs:attribute name="SubTypeId" type="xs:string" />
        <xs:attribute name="TargetApplicationId" type="xs:string" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="DataTableMapping">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ColumnMappings"
type="i0:ArrayOfDataColumnMapping" />
        <xs:element minOccurs="0" maxOccurs="1" name="MasterTimeColumn"
type="i0:DataColumnMapping" />
    </xs:sequence>
    <xs:attribute name="DateAggregationType" type="i0:DateAggregationTypes"
use="required" />
    <xs:attribute name="CalendarStartMonth" type="xs:int" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfDataColumnMapping">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DataColumnMapping"
nillable="true" type="i0:DataColumnMapping" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DataColumnMapping">
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="KeyColumnName" type="xs:string" />
    <xs:attribute name="SourceColumnName" type="xs:string" />
    <xs:attribute name="FriendlyColumnName" type="xs:string" />
    <xs:attribute name="ColumnType" type="i0:MappedColumnTypes" use="required" />
    <xs:attribute name="FactAggregation" type="i0:FactAggregations" use="required" />
    <xs:attribute name="ColumnDataType" type="i0:MappedColumnDataTypes" use="required" />
</xs:complexType>
<xs:simpleType name="MappedColumnTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Ignore" />
        <xs:enumeration value="Fact" />
        <xs:enumeration value="Dimension" />
        <xs:enumeration value="TimeDimension" />
        <xs:enumeration value="Key" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="FactAggregations">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Average" />

```

```

        <xs:enumeration value="Count" />
        <xs:enumeration value="Max" />
        <xs:enumeration value="Min" />
        <xs:enumeration value="None" />
        <xs:enumeration value="StDev" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Variance" />
        <xs:enumeration value="FirstOccurance" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MappedColumnDataTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="NotSupported" />
        <xs:enumeration value="Number" />
        <xs:enumeration value="String" />
        <xs:enumeration value="DateTime" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DateAggregationTypes">
    <xs:list>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="None" />
                <xs:enumeration value="Second" />
                <xs:enumeration value="Minute" />
                <xs:enumeration value="Hour" />
                <xs:enumeration value="Day" />
                <xs:enumeration value="Week" />
                <xs:enumeration value="Month" />
                <xs:enumeration value="Quarter" />
                <xs:enumeration value="Year" />
                <xs:enumeration value="Semester" />
            </xs:restriction>
        </xs:simpleType>
    </xs:list>
</xs:simpleType>
<xs:simpleType name="ConnectionContext">
    <xs:restriction base="xs:string">
        <xs:enumeration value="ConnectAsUser" />
        <xs:enumeration value="ConnectAsSharedUser" />
        <xs:enumeration value="SecureStoreCredentials" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="Dashboard">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="Pages"
type="i0:ArrayOfDashboardElement" />
            </xs:sequence>
            <xs:attribute name="TemplateType" type="xs:string" />
            <xs:attribute name="DeploymentPath" type="xs:string" />
            <xs:attribute name="SitePath" type="xs:string" />
            <xs:attribute name="MasterPagePath" type="xs:string" />
            <xs:attribute name="MasterPageDisplayName" type="xs:string" />
            <xs:attribute name="PageList" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

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<xs:complexType name="Kpi">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:FirstClassElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Actuals"
type="i0:ArrayOfKpiMeasure" />
        <xs:element minOccurs="0" maxOccurs="1" name="Targets" type="i0:ArrayOfTarget"
/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfKpiMeasure">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="KpiMeasure" nillable="true"
type="i0:KpiMeasure" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfTarget">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Target" nillable="true"
type="i0:Target" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ReportView">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:FirstClassElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="i0:ArrayOfEndPoint" />
        <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="i0:ArrayOfParameterDefinition" />
      </xs:sequence>
      <xs:attribute name="TypeName" type="xs:string" />
      <xs:attribute name="RenderClientSide" type="xs:boolean" use="required" />
      <xs:attribute xmlns:q13="http://microsoft.com/wsdl/types/"
name="ConfiguredViewId" type="q13:guid" use="required" />
      <xs:attribute name="SubTypeId" type="xs:string" />
      <xs:attribute name="RendererClassName" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="GetTreeMembersDataTable">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberKeysStr"
type="xs:string" />
      <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int" />
      <xs:element minOccurs="1" maxOccurs="1" name="count" type="xs:int" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

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<xs:complexType name="TvcNodeInfo">
  <xs:attribute name="Key" type="xs:string" />
  <xs:attribute name="ParentKey" type="xs:string" />
  <xs:attribute name="DisplayValue" type="xs:string" />
  <xs:attribute name="MemberUniqueName" type="xs:string" />
  <xs:attribute name="IsDefault" type="xs:boolean" use="required" />
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<xs:complexType name="ArrayOfTvcNodeInfo">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="TvcNodeInfo" nillable="true"
type="i0:TvcNodeInfo" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetTreeMembersDataTableResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTreeMembersDataTableResult"
type="i0:ArrayOfTvcNodeInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RenderTreeMemberSelector">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberNamesStr"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="clientInstance" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int" />
      <xs:element minOccurs="1" maxOccurs="1" name="maxNumRecordsToRender"
type="xs:int" />
      <xs:element minOccurs="0" maxOccurs="1" name="resourcePath" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeHeaderFlagStr"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeFooterFlagStr"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RenderTreeMemberSelectorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="RenderTreeMemberSelectorResult"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetListItems">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="listUrl" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

    <xs:element name="GetListItemsResponse">
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        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetListItemsResult"
type="i0:ArrayOfFirstClassElement" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderFilter">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="filterLocation" nillable="true"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
/>
          <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
/>
          <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
/>
          <xs:element
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q14:WebPartContext" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderFilterResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
          <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
          <xs:element
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q15:WebPartContextUpdate" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetReportDependencies">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:complexType name="ResourceDependencies">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ExternalCssDependencies"
type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScriptDependencies"
type="i0:ArrayOfScriptDependency" />
        <xs:element minOccurs="0" maxOccurs="1" name="CustomStartupScript" type="xs:string"
/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ArrayOfScriptDependency">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ScriptDependency"
type="i0:ScriptDependency" />
      </xs:sequence>
    </xs:complexType>

```

```

<xs:complexType name="ScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptLocation" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetReportDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetReportDependenciesResult"
type="i0:ResourceDependencies" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ReportSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="i0:ExportFormat"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:simpleType name="ExportFormat">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Excel" />
    <xs:enumeration value="PowerPoint" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="ReportSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ReportSupportsExportFormatResult"
type="xs:boolean" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"
/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q16:WebPartContext" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" minOccurs="0" name="ExportReportResult" nillable="true"
type="q17:OfficeExportInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

    <xs:element name="ScorecardSupportsExportFormat">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="i0:ExportFormat"
        />
          <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ScorecardSupportsExportFormatResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1"
name="ScorecardSupportsExportFormatResult" type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ExportScorecard">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ExportScorecardResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" minOccurs="0" name="ExportScorecardResult" nillable="true"
type="q19:OfficeExportInfo" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderReport">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean" />
          <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
        />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q20:WebPartContext" />
    <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean" />
  </xs:sequence>
</xs:complexType>
</xs:element>

```

```

    <xs:element name="RenderReportResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"
        />
          <xs:element
            xmlns:q21="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon" minOccurs="0" name="proxyCacheSubs" nillable="true"
            type="q21:ArrayOfSubstitutionPair" />
          <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime" />
          <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
          <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
          <xs:element
            xmlns:q22="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
            minOccurs="0" name="webPartContextUpdate" nillable="true" type="q22:WebPartContextUpdate" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetScorecardDependencies">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
            type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetScorecardDependenciesResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetScorecardDependenciesResult"
            type="i0:ResourceDependencies" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderScorecard">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean" />
          <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
            type="i0:RepositoryLocation" />
          <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
        />
          <xs:element
            xmlns:q23="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
            minOccurs="0" name="webPartContext" nillable="true" type="q23:WebPartContext" />
          <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderScorecardResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"
        />
          <xs:element
            xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon" minOccurs="0" name="proxyCacheSubs" nillable="true"
            type="q24:ArrayOfSubstitutionPair" />
          <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime" />
          <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
          <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
          <xs:element
            xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
            minOccurs="0" name="webPartContextUpdate" nillable="true" type="q25:WebPartContextUpdate" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
</xs:element>

```



```

erCommon" minOccurs="0" name="proxyCacheSubs" nillable="true"
type="q24:ArrayOfSubstitutionPair" />
    <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime" />
    <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
    <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
    <xs:element
xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q25:WebPartContextUpdate" />
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  </xs:complexType>
</xs:element>
<xs:element name="RenderScorecardAjaxControl">
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    <xs:sequence>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
/>
      <xs:element minOccurs="0" name="scorecardControlId" nillable="true"
type="xs:string" />
      <xs:element minOccurs="0" name="scorecardControlType" nillable="true"
type="xs:string" />
      <xs:element
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q26:WebPartContext" />
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</xs:element>
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    <xs:sequence>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
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xmlns:q27="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q27:WebPartContextUpdate" />
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  </xs:complexType>
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<xs:element name="GetRenderControlPreview">
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    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="viewType" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="width" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="height" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="nav" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="isDesigner" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="pageQuery" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetRenderControlPreviewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRenderControlPreviewResult"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetDrillThroughPreview">

```

```

        <xs:complexType>
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            <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="isScorecard" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="page" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="tupleXml" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="resultTableIndex" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="isAccessibleMode" type="xs:string"
/>
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      <xs:element name="GetDrillThroughPreviewResponse">
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            <xs:element minOccurs="0" maxOccurs="1" name="GetDrillThroughPreviewResult"
type="xs:string" />
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            <xs:element minOccurs="0" maxOccurs="1" name="officeDocumentBytes"
type="xs:base64Binary" />
            <xs:element minOccurs="0" maxOccurs="1" name="documentFileName" type="xs:string"
/>
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      <xs:element name="DecompStartAnalyze">
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            <xs:element minOccurs="0" maxOccurs="1" name="type" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="location" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="tupleRecord"
type="i0:DecompTupleRecord" />
            <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="i0:DecompQueryParameters" />
            <xs:element minOccurs="0" maxOccurs="1" name="viewState" type="xs:string" />
          </xs:sequence>
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      </xs:element>
      <xs:complexType name="DecompTupleRecord">
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          <xs:element minOccurs="0" maxOccurs="1" name="RowSelections"
type="i0:ArrayOfString" />
          <xs:element minOccurs="0" maxOccurs="1" name="ColumnSelections"
type="i0:ArrayOfString" />
          <xs:element minOccurs="0" maxOccurs="1" name="BackgroundMeasureName"
type="xs:string" />
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      </xs:complexType>
      <xs:complexType name="DecompQueryParameters">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="SortType" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="ClientState" type="xs:string" />
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      <xs:complexType name="DecompRenderResultRecord">
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          <xs:element minOccurs="0" maxOccurs="1" name="Levels"
type="i0:ArrayOfDecompRenderResultLevel" />

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        <xs:element minOccurs="0" maxOccurs="1" name="MeasureCaption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="MeasureUniqueName" type="xs:string" />
    />
    <xs:element minOccurs="1" maxOccurs="1" name="MeasureIsAdditive" type="xs:boolean" />
    <xs:element minOccurs="0" maxOccurs="1" name="NavigationContext" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="ErrorMsg" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="ErrorDetails" type="xs:string" />
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nillable="true" type="i0:DecompRenderResultLevel" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompRenderResultLevel">
    <xs:sequence>
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        <xs:element minOccurs="0" maxOccurs="1" name="HierarchyName" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="TotalNodeCount" type="xs:int" />
        <xs:element minOccurs="0" maxOccurs="1" name="UniqueName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Nodes"
type="i0:ArrayOfDecompRenderResultNode" />
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</xs:complexType>
<xs:complexType name="ArrayOfDecompRenderResultNode">
    <xs:sequence>
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nillable="true" type="i0:DecompRenderResultNode" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompRenderResultNode">
    <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="Value" type="xs:double" />
        <xs:element minOccurs="0" maxOccurs="1" name="FormattedValue" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="HasChildren" type="xs:boolean" />
        <xs:element minOccurs="0" maxOccurs="1" name="UniqueName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="BottomSumValue" type="xs:double" />
        <xs:element minOccurs="0" maxOccurs="1" name="BottomSumFormattedValue"
type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="TopSumValue" type="xs:double" />
        <xs:element minOccurs="0" maxOccurs="1" name="TopSumFormattedValue"
type="xs:string" />
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</xs:complexType>
<xs:element name="DecompStartAnalyzeResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompStartAnalyzeResult"
type="i0:DecompRenderResultRecord" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompAutoExpand">
    <xs:complexType>
        <xs:sequence>

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        <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="i0:DecompQueryParameters" />
        <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
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</xs:complexType>
</xs:element>
<xs:element name="DecompAutoExpandResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompAutoExpandResult"
type="i0:DecompRenderResultRecord" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompCreateNavigationList">
    <xs:complexType>
        <xs:sequence>
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/>
            <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
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    </xs:complexType>
</xs:element>
<xs:complexType name="DecompNavigationList">
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type="i0:ArrayOfDecompNavigationGroup" />
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<xs:complexType name="ArrayOfDecompNavigationGroup">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompNavigationGroup"
nillable="true" type="i0:DecompNavigationGroup" />
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</xs:complexType>
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    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Actions"
type="i0:ArrayOfDecompNavigationAction" />
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    <xs:sequence>
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nillable="true" type="i0:DecompNavigationAction" />
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</xs:complexType>
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    <xs:sequence>
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        <xs:element minOccurs="0" maxOccurs="1" name="ParentCaption" type="xs:string" />
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        <xs:element minOccurs="1" maxOccurs="1" name="Enabled" type="xs:boolean" />
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</xs:complexType>
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    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompCreateNavigationListResult"
type="i0:DecompNavigationList" />
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    </xs:complexType>
</xs:element>
<xs:element name="DecompGetMemberProperties">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>

            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
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    </xs:complexType>
</xs:element>
<xs:complexType name="DecompMemberProperties">
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        <xs:element minOccurs="0" maxOccurs="1" name="MemberName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="i0:ArrayOfDecompMemberProperty" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDecompMemberProperty">
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        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompMemberProperty"
nillable="true" type="i0:DecompMemberProperty" />
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</xs:complexType>
<xs:complexType name="DecompMemberProperty">
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        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Value" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="DecompGetMemberPropertiesResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompGetMemberPropertiesResult"
type="i0:DecompMemberProperties" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompExpand">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>

            <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="i0:DecompQueryParameters" />
            <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>

            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
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type="xs:string" />

```

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        </xs:sequence>
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        <xs:sequence>
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type="i0:DecompRenderResultRecord" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetReportViewImageData">
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        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt"
type="xs:boolean" />
          <xs:element minOccurs="0" maxOccurs="1" name="externalkey" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="tempFcoLocation"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="1" maxOccurs="1" name="height" type="xs:int" />
          <xs:element minOccurs="1" maxOccurs="1" name="width" type="xs:int" />
          <xs:element minOccurs="1" maxOccurs="1" name="colStart" type="xs:int" />
          <xs:element minOccurs="1" maxOccurs="1" name="colCount" type="xs:int" />
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    <xs:element name="GetReportViewImageDataResponse">
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type="xs:boolean" />
          <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime" />
          <xs:element minOccurs="0" maxOccurs="1" name="mimeType" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="viewHtml" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="bytesImageData"
type="xs:base64Binary" />
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      </xs:complexType>
    </xs:element>
    <xs:element name="GetAnnotation">
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        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="0" maxOccurs="1" name="tupleCollection"
type="i0:ArrayOfTuple" />
          <xs:element minOccurs="0" maxOccurs="1" name="cellPath" type="xs:string" />
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type="i0:Tuple" />
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        <xs:element minOccurs="0" maxOccurs="1" name="DimensionMembers"
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    <xs:sequence>
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type="i0:ArrayOfAnnotationComment" />
        <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="i0:ArrayOfBpmProperty" />
        <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="LastUpdatedBy" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Slice" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="CreatedOn" type="xs:dateTime" />
        <xs:element minOccurs="1" maxOccurs="1" name="LastUpdatedOn" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="i0:RepositoryLocation" />
        <xs:element xmlns:q28="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="ConfiguredViewID" type="q28:guid" />
        <xs:element xmlns:q29="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="Guid" type="q29:guid" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellpathCoordinates" type="xs:string"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="Version" type="i0:AnnotationVersions"
/>
    </xs:sequence>
</xs:complexType>
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nillable="true" type="i0:AnnotationComment" />
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</xs:complexType>
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    <xs:complexContent mixed="false">
        <xs:extension base="i0:Comment">
            <xs:attribute name="Title" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:simpleType name="AnnotationVersions">
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        <xs:enumeration value="Office14Beta2" />
        <xs:enumeration value="Office14Beta1" />
        <xs:enumeration value="Pps2007" />
    </xs:restriction>
</xs:simpleType>
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        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationResult"
type="i0:Annotation" />
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    </xs:complexType>
</xs:element>
<xs:element name="GetAnnotationByID">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q30="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="annotationID" type="q30:guid" />

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    </xs:element>
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          <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationByIDResult"
type="i0:Annotation" />
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    </xs:element>
    <xs:element name="GetAllAnnotationsByScorecardLocation">
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        <xs:sequence>
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type="i0:RepositoryLocation" />
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    </xs:element>
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type="i0:Annotation" />
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    </xs:complexType>
    <xs:element name="GetAllAnnotationsByScorecardLocationResponse">
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name="GetAllAnnotationsByScorecardLocationResult" type="i0:ArrayOfAnnotation" />
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    </xs:element>
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    <xs:element name="CreateAnnotationResponse">
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        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="CreateAnnotationResult"
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    </xs:element>
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        </xs:sequence>
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    <xs:element name="UpdateAnnotationResponse">
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        <xs:element minOccurs="0" maxOccurs="1" name="UpdateAnnotationResult"
type="i0:Annotation" />
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</xs:complexType>
</xs:element>
<xs:element name="DeleteAnnotation">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q31="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="annotationID" type="q31:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteAnnotationResponse">
    <xs:complexType />
</xs:element>
<xs:element name="TrimAnnotationByScorecardLocation">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TrimAnnotationByScorecardLocationResponse">
    <xs:complexType />
</xs:element>
<xs:element name="TrimAnnotationByOwner">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="owner" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TrimAnnotationByOwnerResponse">
    <xs:complexType />
</xs:element>
<xs:element name="TrimAnnotationUntouchedSince">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="untouchedSince" type="xs:dateTime"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TrimAnnotationUntouchedSinceResponse">
    <xs:complexType />
</xs:element>
<xs:element name="CreateDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="listUrl" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CreateDataSourceResponse">
    <xs:complexType>
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="CreateDataSourceResult"
type="i0:DataSource" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="UpdateDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="UpdateDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="UpdateDataSourceResult"
type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetDataSourceResult"
type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteDataSourceResponse">
    <xs:complexType />
</xs:element>
<xs:element name="SaveFilterValues">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="elementLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="i0:ParameterDefinition" />
            <xs:element minOccurs="0" maxOccurs="1" name="selections" type="i0:ArrayOfString"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SaveFilterValuesResponse">

```

```

        <xs:complexType />
    </xs:element>
    <xs:element name="SearchParameterDisplayData">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="i0:RepositoryLocation" />
                <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string" />
                <xs:element
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q32:WebPartContext" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="SearchParameterDisplayDataResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element
xmlns:q33="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" minOccurs="0" name="SearchParameterDisplayDataResult" nillable="true"
type="q33:ParameterSearchResultRecord" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingParameterDisplayData">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="i0:RepositoryLocation" />
                <xs:element
xmlns:q34="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q34:WebPartContext" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingParameterDisplayDataResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element
xmlns:q35="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" minOccurs="0" name="GetRemainingParameterDisplayDataResult" nillable="true"
type="q35:ParameterGetRemainingResultRecord" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingSearchResults">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="i0:RepositoryLocation" />
                <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string" />
                <xs:element
xmlns:q36="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q36:WebPartContext" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingSearchResultsResponse">
        <xs:complexType>
            <xs:sequence>

```

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        <xs:element
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" minOccurs="0" name="GetRemainingSearchResultsResult" nillable="true"
type="q37:ParameterSearchResultRecord" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetKpisFromScorecard">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfKpi">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Kpi" nillable="true"
type="i0:Kpi" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetKpisFromScorecardResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetKpisFromScorecardResult"
type="i0:ArrayOfKpi" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAnalyticReportView">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="analyticReportViewLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAnalyticReportViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnalyticReportViewResult"
type="i0:ReportView" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetStrategyMapReportView">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="strategyMapReportViewLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetStrategyMapReportViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetStrategyMapReportViewResult"
type="i0:ReportView" />
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

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</xs:element>
<xs:element name="GetLatestAnalyticReportVersion">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q38="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="analyticReportViewId" type="q38:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLatestAnalyticReportVersionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1"
name="GetLatestAnalyticReportVersionResult" type="xs:int" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSettings">
  <xs:complexType />
</xs:element>
<xs:complexType name="Setting">
  <xs:attribute name="Key" type="xs:string" />
  <xs:attribute name="Type" type="i0:SettingType" use="required" />
  <xs:attribute name="Value" type="xs:string" />
  <xs:attribute name="DefaultValue" type="xs:string" />
</xs:complexType>
<xs:simpleType name="SettingType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="String" />
    <xs:enumeration value="Boolean" />
    <xs:enumeration value="Integer" />
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfSetting">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Setting" nillable="true"
type="i0:Setting" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetSettingsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingsResult"
type="i0:ArrayOfSetting" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSettingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingResult" type="i0:Setting"
/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetSettingValue">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetSettingValueResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetSettingValueResult"
type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetMdx">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="analyticReportViewLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetMdxResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetMdxResult" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryAnalyticReport">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="i0:ReportView" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryAnalyticReportResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q39="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="SaveTemporaryAnalyticReportResult" type="q39:guid" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryStrategyMapReport">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="i0:ReportView" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryStrategyMapReportResponse">
      <xs:complexType>
        <xs:sequence>

```

```

        <xs:element xmlns:q40="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="SaveTemporaryStrategyMapReportResult" type="q40:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetQueryResultMembers">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="analyticReportViewLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="formattingDimensionName"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetQueryResultMembersResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetQueryResultMembersResult"
type="i0:ArrayOfMember" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDatabaseNamesFromDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDatabaseNamesFromDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="GetDatabaseNamesFromDataSourceResult" type="i0:ArrayOfString" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetPreviewDataSet">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="maxrecords" type="xs:int" />
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetPreviewDataSetResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetPreviewDataSetResult">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element ref="xs:schema" />
                        <xs:any />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>

```

```

</xs:element>
<xs:element name="GetCubeNameInfos">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfNameInfo">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="NameInfo" nillable="true"
type="i0:NameInfo" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetCubeNameInfosResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCubeNameInfosResult"
type="i0:ArrayOfNameInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetCubeMetaData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="NamedSet">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Dimensions" type="i0:ArrayOfString"
/>
  </xs:sequence>
  <xs:attribute name="Name" type="xs:string" />
  <xs:attribute name="Expression" type="xs:string" />
  <xs:attribute name="DisplayFolder" type="xs:string" />
</xs:complexType>
<xs:complexType name="ArrayOfDimension">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Dimension" nillable="true"
type="i0:Dimension" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfMeasure">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Measure" nillable="true"
type="i0:Measure" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="Measure">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:attribute name="AggregatorValue" type="xs:int" use="required" />
      <xs:attribute name="MeasureGroup" type="xs:string" />
      <xs:attribute name="DisplayFolder" type="xs:string" />
      <xs:attribute name="HierarchyName" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```



```

        </xs:complexContent>
      </xs:complexType>
      <xs:complexType name="ArrayOfNamedSet">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="unbounded" name="NamedSet" nillable="true"
type="i0:NamedSet" />
        </xs:sequence>
      </xs:complexType>
      <xs:element name="GetCubeMetaDataResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCubeMetaDataResult"
type="i0:Cube" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:complexType name="Cube">
        <xs:complexContent mixed="false">
          <xs:extension base="i0:NameInfo">
            <xs:sequence>
              <xs:element minOccurs="0" maxOccurs="1" name="Dimensions"
type="i0:ArrayOfDimension" />
              <xs:element minOccurs="0" maxOccurs="1" name="MeasureGroups"
type="i0:ArrayOfNameInfo" />
              <xs:element minOccurs="0" maxOccurs="1" name="Measures"
type="i0:ArrayOfMeasure" />
              <xs:element minOccurs="0" maxOccurs="1" name="NamedSets"
type="i0:ArrayOfNamedSet" />
            </xs:sequence>
            <xs:attribute name="Version" type="xs:int" use="required" />
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="GetCubeMetaDataForDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetCubeMetaDataForDataSourceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCubeMetaDataForDataSourceResult"
type="i0:Cube" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TestConnection">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TestConnectionResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="TestConnectionResult"
type="xs:boolean" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>

```

```

        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensions">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetDimensionsResult"
type="i0:ArrayOfDimension" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsFromDataSource">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsFromDataSourceResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetDimensionsFromDataSourceResult"
type="i0:ArrayOfDimension" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCube">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetCubeResult" type="i0:Cube" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeFromDataSource">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeFromDataSourceResponse">
      <xs:complexType>
        <xs:sequence>

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```

        <xs:element minOccurs="0" maxOccurs="1" name="GetCubeFromDataSourceResult"
type="i0:Cube" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembers">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="dimensionName" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembersResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryDimensionRootMembersResult"
type="i0:ArrayOfMember" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembersFromDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
            <xs:element minOccurs="0" maxOccurs="1" name="dimensionName" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembersFromDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="QueryDimensionRootMembersFromDataSourceResult" type="i0:ArrayOfMember" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryTransformMembers">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="memberCollection"
type="i0:ArrayOfMember" />
            <xs:element minOccurs="1" maxOccurs="1" name="transformType"
type="i0:QueryTransformMembersType" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:simpleType name="QueryTransformMembersType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Hierarchize" />
        <xs:enumeration value="Parents" />
        <xs:enumeration value="Ancestors" />
        <xs:enumeration value="AscendantsIntersect" />
    </xs:restriction>
</xs:simpleType>
<xs:element name="QueryTransformMembersResponse">

```

```

        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryTransformMembersResult"
type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembers">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryChildMembersResult"
type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersFromDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
            <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersFromDataSourceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="QueryChildMembersFromDataSourceResult" type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersByRangeFromDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
            <xs:element minOccurs="0" maxOccurs="1" name="self" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="start" type="xs:long" />
            <xs:element minOccurs="1" maxOccurs="1" name="count" type="xs:long" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersByRangeFromDataSourceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="QueryChildMembersByRangeFromDataSourceResult" type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>

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</xs:element>
<xs:element name="QueryRelatedMember">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="relationship"
type="i0:MemberRelationship" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:simpleType name="MemberRelationship">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Parent" />
    <xs:enumeration value="FirstSibling" />
    <xs:enumeration value="PrevMember" />
    <xs:enumeration value="NextMember" />
    <xs:enumeration value="LastSibling" />
    <xs:enumeration value="FirstChild" />
    <xs:enumeration value="LastChild" />
    <xs:enumeration value="CurrentMember" />
    <xs:enumeration value="Children" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="QueryRelatedMemberResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="QueryRelatedMemberResult"
type="i0:Member" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryRelatedMemberFromDataSource">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="relationship"
type="i0:MemberRelationship" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryRelatedMemberFromDataSourceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1"
name="QueryRelatedMemberFromDataSourceResult" type="i0:Member" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryNamedSets">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>

```

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</xs:element>
<xs:element name="QueryNamedSetsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="QueryNamedSetsResult"
type="i0:ArrayOfNamedSet" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryNamedSetsFromDataSource">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryNamedSetsFromDataSourceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="QueryNamedSetsFromDataSourceResult"
type="i0:ArrayOfNamedSet" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateKpi">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateKpiResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="ValidateKpiResult"
type="i0:ArrayOfString" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="ValidateScorecardResult"
type="i0:ArrayOfString" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateSiteCollection">
  <xs:complexType />
</xs:element>

```

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<xs:element name="ValidateSiteCollectionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ValidateSiteCollectionResult"
type="i0:URLValidationResult" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:simpleType name="URLValidationResult">
  <xs:restriction base="xs:string">
    <xs:enumeration value="SiteCollectionOrSite" />
    <xs:enumeration value="SiteCollection" />
    <xs:enumeration value="Site" />
    <xs:enumeration value="List" />
    <xs:enumeration value="DocumentLibrary" />
    <xs:enumeration value="InvalidURL" />
    <xs:enumeration value="AlreadyExists" />
    <xs:enumeration value="NonexistentSiteCollection" />
    <xs:enumeration value="NonexistentSite" />
    <xs:enumeration value="PPSNotActivatedOnSiteCollection" />
    <xs:enumeration value="URLZoneNotAllowed" />
    <xs:enumeration value="NoAccess" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="MaintenanceJob">
  <xs:complexType />
</xs:element>
<xs:element name="MaintenanceJobResponse">
  <xs:complexType />
</xs:element>
<xs:element name="GenerateView">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="pageFilters"
type="i0:ArrayOfMember" />
      <xs:element minOccurs="0" maxOccurs="1" name="propertyBags"
type="i0:DictionaryWrapperOfStringPropertyBag" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="DictionaryWrapperOfStringPropertyBag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfPropertyBag"
/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfPropertyBag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="PropertyBag" nillable="true"
type="i0:PropertyBag" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="GridViewData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellFormatInfo"
type="i0:GridFormatInfo" />
  </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRowHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultColumnHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="Cells" type="i0:GridCellSet" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootRowHeader"
type="i0:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootColumnHeader"
type="i0:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRollupIndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="PreQueryTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PostQueryTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PreRenderTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PerUserTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PageFilters" type="i0:ArrayOfMember"
/>
    </xs:sequence>
    <xs:attribute xmlns:q41="http://microsoft.com/wsdl/types/" name="ScorecardViewId"
type="q41:guid" use="required" />
    <xs:attribute name="Cached" type="xs:boolean" use="required" />
    <xs:attribute name="CacheExpiration" type="xs:dateTime" use="required" />
    <xs:attribute xmlns:q42="http://microsoft.com/wsdl/types/"
name="DefaultRollupIndicatorId" type="q42:guid" use="required" />
    <xs:attribute name="EmptyCell" type="xs:string" />
    <xs:attribute name="InvalidCell" type="xs:string" />
    <xs:attribute name="TIFormula" type="xs:string" />
    <xs:attribute name="TICurrentDateTime" type="xs:string" />
</xs:complexType>
<xs:complexType name="GridCellSet">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Table"
type="i0:DictionaryWrapperOfStringGridCell" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringGridCell">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfGridCell" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfGridCell">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridCell" nillable="true"
type="i0:GridCell" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="GridCell">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="FormatInfo" type="i0:GridFormatInfo"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="Properties" type="i0:PropertyBag" />
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayElements"
type="i0:ArrayOfGridDisplayElement" />
    </xs:sequence>
</xs:complexType>

```



```

        <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="1" maxOccurs="1" name="InBand" type="xs:int" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellAnnotation" type="i0:Annotation"
/>

</xs:sequence>
<xs:attribute name="Value" type="xs:decimal" use="required" />
<xs:attribute name="ActualValue" type="xs:decimal" use="required" />
<xs:attribute name="Score" type="xs:decimal" use="required" />
<xs:attribute name="Weight" type="xs:decimal" use="required" />
<xs:attribute name="BestChildScore" type="xs:decimal" use="required" />
<xs:attribute name="WorstChildScore" type="xs:decimal" use="required" />
<xs:attribute name="IsValueInError" type="xs:boolean" use="required" />
<xs:attribute name="HasAnnotation" type="xs:boolean" use="required" />
<xs:attribute name="IsRollupScore" type="xs:boolean" use="required" />
<xs:attribute name="ValueSource" type="i0:ValueSources" use="required" />
<xs:attribute name="IsValidScore" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfGridDisplayElement">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridDisplayElement"
nillable="true" type="i0:GridDisplayElement" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="GridDisplayElement" abstract="true">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Text" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="TooltipText" type="xs:string" />
    </xs:sequence>
    <xs:attribute name="Status" type="i0:GridCellElementStatus" use="required" />
</xs:complexType>
<xs:simpleType name="GridCellElementStatus">
    <xs:restriction base="xs:string">
        <xs:enumeration value="0" />
        <xs:enumeration value="1" />
        <xs:enumeration value="2" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridDisplayElementIndicator">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
            </xs:sequence>
            <xs:attribute name="IndicatorBand" type="xs:int" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementHyperLink">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement">
            <xs:attribute name="LinkUrl" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementNumber" abstract="true">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement">

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        <xs:attribute name="Value" type="xs:decimal" use="required" />
        <xs:attribute name="OverrideValue" type="xs:decimal" use="required" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementVariance">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementAggregation">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementTarget">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementActual">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementScore">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementText">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementIndicatorText">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementText">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
            </xs:sequence>
            <xs:attribute name="IndicatorBand" type="xs:int" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfGridViewTransformReference">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridViewTransformReference"
nillable="true" type="i0:GridViewTransformReference" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GenerateViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GenerateViewResult"
type="i0:GridViewData" />
        </xs:sequence>
    </xs:complexType>

```

```

</xs:element>
<xs:element name="GenerateViewDirect">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecard" type="i0:Scorecard" />
      <xs:element minOccurs="0" maxOccurs="1" name="kpis" type="i0:ArrayOfKpi" />
      <xs:element minOccurs="0" maxOccurs="1" name="dataSources"
type="i0:ArrayOfDataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="indicators"
type="i0:ArrayOfIndicator" />
      <xs:element minOccurs="0" maxOccurs="1" name="pageFilters"
type="i0:ArrayOfMember" />
      <xs:element minOccurs="0" maxOccurs="1" name="propertyBags"
type="i0:DictionaryWrapperOfStringPropertyBag" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfDataSource">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DataSource" nillable="true"
type="i0:DataSource" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfIndicator">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Indicator" nillable="true"
type="i0:Indicator" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GenerateViewDirectResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GenerateViewDirectResult"
type="i0:GridViewData" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAsKpis">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="listUrl" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAsKpisResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAsKpisResult"
type="i0:ArrayOfKpi" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetParameterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="providerLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="i0:ParameterDefinition" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="parameterSourceLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="i0:WebPartContext" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:complexType name="WebPartContext">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ClientViewState"
type="i0:DictionaryWrapperOfStringString" />
        <xs:element minOccurs="0" maxOccurs="1" name="InUseProviderParameterNames"
type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="ProviderParameterSelections"
type="i0:DictionaryWrapperOfStringListOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringListOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values"
type="i0:ArrayOfArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfArrayOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfString"
nillable="true" type="i0:ArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetParameterDisplayDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetParameterDisplayDataResult">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFilterDisplayData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="i0:ParameterDefinition" />

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="selections" type="i0:ArrayOfString"
    />
    <xs:element minOccurs="1" maxOccurs="1" name="useSavedUserSelections"
type="xs:boolean" />
    <xs:element minOccurs="1" maxOccurs="1" name="selectionsOnly" type="xs:boolean"
    />
    <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="i0:WebPartContext" />
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetFilterDisplayDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDisplayDataResult">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetParameterMessageData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="providerLocation" nillable="true"
type="i0:RepositoryLocation" />
            <xs:element
xmlns:q43="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="parameterMessage" nillable="true" type="q43:ParameterMessage" />
            <xs:element minOccurs="0" name="parameterSourceLocation" nillable="true"
type="i0:RepositoryLocation" />
            <xs:element
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="parameterMapping" nillable="true" type="q44:ParameterMapping" />
            <xs:element
xmlns:q45="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q45:WebPartContext" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetParameterMessageDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="GetParameterMessageDataResult" nillable="true">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

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    </xs:complexType>
  </xs:element>
  <xs:element name="QueryTimeIntelligence">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="1" maxOccurs="1" name="currentTime" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="formula" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="QueryTimeIntelligenceResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="QueryTimeIntelligenceResult"
type="i0:ArrayOfMember" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="QueryTimeIntelligenceDirect">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        <xs:element minOccurs="1" maxOccurs="1" name="currentTime" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="formula" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="QueryTimeIntelligenceDirectResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="QueryTimeIntelligenceDirectResult"
type="i0:ArrayOfMember" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetRegisteredCustomFCOs">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="type" type="i0:CustomFCOType" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:simpleType name="CustomFCOType">
    <xs:list>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="None" />
          <xs:enumeration value="DataSource" />
          <xs:enumeration value="Filter" />
          <xs:enumeration value="ReportView" />
          <xs:enumeration value="All" />
        </xs:restriction>
      </xs:simpleType>
    </xs:list>
  </xs:simpleType>
  <xs:complexType name="CustomFCODefinition">
    <xs:sequence>

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        <xs:element minOccurs="0" maxOccurs="1" name="TemplateIconSerialized"
type="xs:string" />
    </xs:sequence>
    <xs:attribute name="Type" type="i0:CustomFCOType" use="required" />
    <xs:attribute name="SubType" type="xs:string" />
    <xs:attribute name="Name" type="xs:string" />
    <xs:attribute name="Description" type="xs:string" />
    <xs:attribute name="RendererClass" type="xs:string" />
    <xs:attribute name="EditorUri" type="xs:string" />
</xs:complexType>
<xs:complexType name="ArrayOfCustomFCODefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="CustomFCODefinition"
nillable="true" type="i0:CustomFCODefinition" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetRegisteredCustomFCOsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRegisteredCustomFCOsResult"
type="i0:ArrayOfCustomFCODefinition" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CreateReportHtml">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt"
type="xs:boolean" />
            <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="availableHeight" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="availableWidth" type="xs:int" />
            <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="inboundParameters" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationAction" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="viewProps" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="isAccessibilityMode"
type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="SubstitutionPair">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Token" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Value" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfSubstitutionPair">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair"
nillable="true" type="i0:SubstitutionPair" />
    </xs:sequence>
</xs:complexType>

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<xs:element name="CreateReportHtmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheKey" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheSubs"
type="i0:ArrayOfSubstitutionPair" />
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime" />
      <xs:element minOccurs="0" maxOccurs="1" name="html" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="script" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="CreateNavigationMetadata">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="metadataContextId" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="metadataAction" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="CreateNavigationMetadataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="CreateNavigationMetadataResult"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetFilterDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetFilterDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDependenciesResult"
type="i0:ResourceDependencies" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RepositoryLocation" nillable="true" type="i0:RepositoryLocation" />
<xs:complexType name="BpmException">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="ErrorCode" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="EventLogged" type="xs:boolean" />
    <xs:element minOccurs="1" maxOccurs="1" name="Message" type="xs:string" />
  </xs:sequence>

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```

</xs:complexType>
<xs:element name="ExportSettings" nillable="true" type="i0:ExportSettings" />
<xs:complexType name="ExportSettings">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="WebPartTitle" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="PageTitle" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="ExportFormat" type="i0:ExportFormat" />
  </xs:sequence>
  <xs:element minOccurs="0" maxOccurs="1" name="DashboardLink" type="xs:string" />
</xs:complexType>
<xs:element name="ArrayOfArrayOfString" nillable="true" type="i0:ArrayOfArrayOfString" />
</xs:complexType>
<xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfKeyValueOfstringanyType" nillable="true" type="i0:ArrayOfKeyValueOfstringanyType" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfArrayOfKeyValueOfstringanyType" nillable="true" type="i0:ArrayOfArrayOfKeyValueOfstringanyType" />
<xs:complexType name="ArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Key" nillable="true" type="xs:string" />
          <xs:element name="Value" nillable="true" type="xs:anyType" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfKeyValueOfstringanyType" nillable="true" type="i0:ArrayOfKeyValueOfstringanyType" />
<xs:element name="WebPartContext" nillable="true" type="i0:WebPartContext" />
<xs:complexType name="DictionaryWrapperOfStringArrayOfString">
  <xs:sequence>
    <xs:element name="keys" nillable="true" type="i0:ArrayOfString" />
    <xs:element name="values" nillable="true" type="i0:ArrayOfArrayOfString" />
  </xs:sequence>
</xs:complexType>
<xs:element name="DictionaryWrapperOfStringArrayOfString" nillable="true" type="i0:DictionaryWrapperOfStringArrayOfString" />
<xs:complexType name="ArrayOfBIData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true" type="i0:BIData" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfBIData" nillable="true" type="i0:ArrayOfBIData" />
<xs:complexType name="BIData">
  <xs:sequence>
    <xs:element minOccurs="0" name="_consumerParameter" nillable="true" type="xs:string" />
    <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean" />
    <xs:element minOccurs="0" name="_displayColumnName" nillable="true" type="xs:string" />
  </xs:sequence>
</xs:complexType>

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        <xs:element minOccurs="0" name="_providerValues" nillable="true"
type="i0:ArrayOfArrayOfKeyValueOfstringanyType" />
        <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"
/>
    </xs:sequence>
</xs:complexType>
<xs:element name="BIData" nillable="true" type="i0:BIData" />
<xs:complexType name="WebPartContextUpdate">
    <xs:sequence>
        <xs:element name="_clientViewStateWrapper" nillable="true"
type="i0:DictionaryWrapperOfStringString" />
        <xs:element name="_legacyFilterSelections" nillable="true" type="i0:ArrayOfBIData"
/>
    </xs:sequence>
</xs:complexType>
<xs:element name="WebPartContextUpdate" nillable="true" type="i0:WebPartContextUpdate"
/>

<xs:complexType name="ParameterMessage">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:ParameterDefinition">
            <xs:sequence>
                <xs:element xmlns:q10="http://microsoft.com/wsdl/types/" name="dashboardItemId"
type="q10:guid" />
                <xs:element xmlns:q11="http://microsoft.com/wsdl/types/" name="mappingId"
type="q11:guid" />
                <xs:element name="values" nillable="true">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-
v1" processContents="lax" />
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ParameterMessage" nillable="true" type="i0:ParameterMessage" />
</xs:schema>

<xs:schema xmlns:tns="http://microsoft.com/wsdl/types/" elementFormDefault="qualified"
targetNamespace="http://microsoft.com/wsdl/types/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:simpleType name="guid">
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-
9a-fA-F]{12}" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="char">
        <xs:restriction base="xs:unsignedShort" />
    </xs:simpleType>
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecard
s" xmlns:xs="http://www.w3.org/2001/XMLSchema">

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```

<xs:import namespace="http://schemas.datacontract.org/2004/07/System" />
<xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
<xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
<xs:complexType name="BpmException">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q1="http://schemas.datacontract.org/2004/07/System"
base="q1:ApplicationException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmException" nillable="true" type="tns:BpmException" />
<xs:complexType name="BpmDashboardItemNotFoundException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmDashboardItemNotFoundException" nillable="true"
type="tns:BpmDashboardItemNotFoundException" />
<xs:complexType name="BpmRenderingException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmRenderingException" nillable="true"
type="tns:BpmRenderingException" />
<xs:complexType name="BpmNoAccessException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmNoAccessException" nillable="true" type="tns:BpmNoAccessException"
/>
<xs:complexType name="BpmServerExportException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmServerExportException" nillable="true"
type="tns:BpmServerExportException" />
<xs:complexType name="BpmDevException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmDevException" nillable="true" type="tns:BpmDevException" />
<xs:complexType name="BpmWarning">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmWarning" nillable="true" type="tns:BpmWarning" />
<xs:complexType name="GridTooLargeForExportToPowerPointException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="GridTooLargeForExportToPowerPointException" nillable="true"
type="tns:GridTooLargeForExportToPowerPointException" />
<xs:complexType name="GridTooLargeForExportToExcelException">
  <xs:complexContent mixed="false">

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        <xs:extension base="tns:BpmException" />
    </xs:complexContent>
</xs:complexType>
<xs:element name="GridTooLargeForExportToExcelException" nillable="true"
type="tns:GridTooLargeForExportToExcelException" />
    <xs:complexType name="WebPartContext">
        <xs:sequence>
            <xs:element name="_clientViewState" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
            <xs:element name="_filterSelections" nillable="true" type="tns:ArrayOfBIData" />
            <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="_inUseProviderParameterNames" nillable="true" type="q2:ArrayOfstring" />
            <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"
/>
            <xs:element name="_providerParameterSelections" nillable="true"
type="tns:DictionaryWrapperOfstringArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="WebPartContext" nillable="true" type="tns:WebPartContext" />
    <xs:complexType name="DictionaryWrapperOfstringstring">
        <xs:sequence>
            <xs:element xmlns:q3="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="dictionary" nillable="true"
type="q3:ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7" />
            <xs:element xmlns:q4="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="keys" nillable="true" type="q4:ArrayOfstring" />
            <xs:element xmlns:q5="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="values" nillable="true" type="q5:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="DictionaryWrapperOfstringstring" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
    <xs:complexType name="ArrayOfBIData">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true"
type="tns:BIData" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfBIData" nillable="true" type="tns:ArrayOfBIData" />
    <xs:complexType name="BIData">
        <xs:sequence>
            <xs:element minOccurs="0" name="_consumerParameter" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean" />
            <xs:element minOccurs="0" name="_displayColumnName" nillable="true"
type="xs:string" />
            <xs:element xmlns:q6="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="_providerValues" nillable="true"
type="q6:ArrayOfArrayOfKeyValueOfstringanyType" />
            <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"
/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="BIData" nillable="true" type="tns:BIData" />
    <xs:complexType name="DictionaryWrapperOfstringArrayOfstring">
        <xs:sequence>
            <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="dictionary" nillable="true"
type="q7:ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6DltwCi8m_S7" />
            <xs:element xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="keys" nillable="true" type="q8:ArrayOfstring" />

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        <xs:element xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="values" nillable="true" type="q9:ArrayOfArrayOfstring" />
    </xs:sequence>
</xs:complexType>
<xs:element name="DictionaryWrapperOfstringArrayOfstring" nillable="true"
type="tns:DictionaryWrapperOfstringArrayOfstring" />
    <xs:complexType name="WebPartContextUpdate">
        <xs:sequence>
            <xs:element name="_clientViewStateWrapper" nillable="true"
type="tns:DictionaryWrapperOfstring" />
            <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"
/>
        </xs:sequence>
    </xs:complexType>
<xs:element name="WebPartContextUpdate" nillable="true" type="tns:WebPartContextUpdate"
/>

<xs:complexType name="ParameterMessage">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:ParameterDefinition">
            <xs:sequence>
                <xs:element name="dashboardItemId" type="ser:guid" />
                <xs:element name="mappingId" type="ser:guid" />
                <xs:element name="values" nillable="true">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-
v1" processContents="lax" />
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ParameterMessage" nillable="true" type="tns:ParameterMessage" />
<xs:complexType name="ParameterDefinition">
    <xs:sequence>
        <xs:element name="customDefinition" nillable="true" type="xs:string" />
        <xs:element name="defaultPostFormula" nillable="true" type="xs:string" />
        <xs:element name="displayColumn" nillable="true" type="xs:string" />
        <xs:element name="displayName" nillable="true" type="xs:string" />
        <xs:element name="displayValues" nillable="true">
            <xs:complexType>
                <xs:sequence>
                    <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                    <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="emitterType" type="tns:BeginPointEmitterType" />
        <xs:element name="isDefaultColumn" nillable="true" type="xs:string" />
        <xs:element name="keyColumn" nillable="true" type="xs:string" />
        <xs:element name="parameterProviderId" nillable="true" type="xs:string" />
        <xs:element name="parameterUniqueName" nillable="true" type="xs:string" />
        <xs:element name="parentKeyColumn" nillable="true" type="xs:string" />
    </xs:sequence>

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```

</xs:complexType>
<xs:element name="ParameterDefinition" nillable="true" type="tns:ParameterDefinition"
/>

<xs:simpleType name="BeginPointEmitterType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="BothAConditionalVisibilityAndParameterEmitter" />
    <xs:enumeration value="ConditionalVisibilityEmitter" />
    <xs:enumeration value="ParameterEmitter" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="BeginPointEmitterType" nillable="true"
type="tns:BeginPointEmitterType" />
<xs:complexType name="ParameterMapping">
  <xs:sequence>
    <xs:element name="_isDefaultVisibility" type="xs:boolean" />
    <xs:element name="conditionalData" nillable="true">
      <xs:complexType>
        <xs:sequence>
          <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
          <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="dashboardItemId" type="ser:guid" />
    <xs:element name="endPointUniqueName" nillable="true" type="xs:string" />
    <xs:element name="id" type="ser:guid" />
    <xs:element name="isConditionalDataEnabled" type="xs:boolean" />
    <xs:element name="parameterUniqueName" nillable="true" type="xs:string" />
    <xs:element name="postFormula" nillable="true" type="xs:string" />
    <xs:element name="sourceColumnName" nillable="true" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ParameterMapping" nillable="true" type="tns:ParameterMapping" />
</xs:schema>

<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:complexType name="ApplicationException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:Exception" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ApplicationException" nillable="true" type="tns:ApplicationException"
/>

  <xs:complexType name="Exception">
    <xs:sequence>
      <xs:any minOccurs="0" maxOccurs="unbounded" namespace="##local"
processContents="skip" />
    </xs:sequence>
    <xs:attribute ref="ser:FactoryType" />
  </xs:complexType>
  <xs:element name="Exception" nillable="true" type="tns:Exception" />
</xs:schema>

<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"

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targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="anyType" nillable="true" type="xs:anyType" />
  <xs:element name="anyURI" nillable="true" type="xs:anyURI" />
  <xs:element name="base64Binary" nillable="true" type="xs:base64Binary" />
  <xs:element name="boolean" nillable="true" type="xs:boolean" />
  <xs:element name="byte" nillable="true" type="xs:byte" />
  <xs:element name="dateTime" nillable="true" type="xs:dateTime" />
  <xs:element name="decimal" nillable="true" type="xs:decimal" />
  <xs:element name="double" nillable="true" type="xs:double" />
  <xs:element name="float" nillable="true" type="xs:float" />
  <xs:element name="int" nillable="true" type="xs:int" />
  <xs:element name="long" nillable="true" type="xs:long" />
  <xs:element name="QName" nillable="true" type="xs:QName" />
  <xs:element name="short" nillable="true" type="xs:short" />
  <xs:element name="string" nillable="true" type="xs:string" />
  <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte" />
  <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt" />
  <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong" />
  <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort" />
  <xs:element name="char" nillable="true" type="tns:char" />
  <xs:simpleType name="char">
    <xs:restriction base="xs:int" />
  </xs:simpleType>
  <xs:element name="duration" nillable="true" type="tns:duration" />
  <xs:simpleType name="duration">
    <xs:restriction base="xs:duration">
      <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?" />
      <xs:minInclusive value="-P10675199DT2H48M5.4775808S" />
      <xs:maxInclusive value="P10675199DT2H48M5.4775807S" />
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="guid" nillable="true" type="tns:guid" />
  <xs:simpleType name="guid">
    <xs:restriction base="xs:string">
      <xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}" />
    </xs:restriction>
  </xs:simpleType>
  <xs:attribute name="FactoryType" type="xs:QName" />
  <xs:attribute name="Id" type="xs:ID" />
  <xs:attribute name="Ref" type="xs:IDREF" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
    namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic" />
  <xs:complexType name="ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
        name="KeyValuePairOfstringKeyValuePairOfintstringtwCi8m_S7">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element
              xmlns:q1="http://schemas.datacontract.org/2004/07/System.Collections.Generic" name="Value"
              type="q1:KeyValuePairOfintstring" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

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        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7"
nillable="true" type="tns:ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7" />
  <xs:complexType name="ArrayOfstring">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfstring" nillable="true" type="tns:ArrayOfstring" />
  <xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
name="ArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfKeyValueOfstringanyType" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfArrayOfKeyValueOfstringanyType" />
  <xs:complexType name="ArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element name="Value" nillable="true" type="xs:anyType" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfKeyValueOfstringanyType" />
  <xs:complexType name="ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
name="KeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element
xmlns:q2="http://schemas.datacontract.org/2004/07/System.Collections.Generic" name="Value"
type="q2:KeyValuePairOfintArrayOfstringty7Ep6D1" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element
name="ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7" nillable="true"
type="tns:ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7" />
  <xs:complexType name="ArrayOfArrayOfstring">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfstring"
nillable="true" type="tns:ArrayOfstring" />
    </xs:sequence>
  </xs:complexType>

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        </xs:complexType>
        <xs:element name="ArrayOfArrayOfstring" nillable="true" type="tns:ArrayOfArrayOfstring"
/>
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
    <xs:complexType name="KeyValuePairOfintstring">
        <xs:sequence>
            <xs:element name="key" type="xs:int" />
            <xs:element name="value" nillable="true" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="KeyValuePairOfintstring" nillable="true"
type="tns:KeyValuePairOfintstring" />
    <xs:complexType name="KeyValuePairOfintArrayOfstringty7Ep6D1">
        <xs:sequence>
            <xs:element name="key" type="xs:int" />
            <xs:element xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="value" nillable="true" type="q1:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="KeyValuePairOfintArrayOfstringty7Ep6D1" nillable="true"
type="tns:KeyValuePairOfintArrayOfstringty7Ep6D1" />
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecard
s.ServerCommon.Export" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType name="OfficeExportInfo">
        <xs:sequence>
            <xs:element minOccurs="0" name="_downloadFileName" nillable="true" type="xs:string"
/>
            <xs:element minOccurs="0" name="_exportData" nillable="true" type="xs:base64Binary"
/>
            <xs:element minOccurs="0" name="_exportUri" nillable="true" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="OfficeExportInfo" nillable="true" type="tns:OfficeExportInfo" />
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecard
s.ServerCommon" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType name="ArrayOfSubstitutionPair">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair"
nillable="true" type="tns:SubstitutionPair" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfSubstitutionPair" nillable="true"
type="tns:ArrayOfSubstitutionPair" />
    <xs:complexType name="SubstitutionPair">
        <xs:sequence>
            <xs:element name="_x003C_Token_x003E_k__BackingField" nillable="true"
type="xs:string" />

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        <xs:element name="_x003C_Value_x003E_k__BackingField" nillable="true"
type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="SubstitutionPair" nillable="true" type="tns:SubstitutionPair" />
<xs:complexType name="ParameterSearchResultRecord">
    <xs:sequence>
        <xs:element name="_ancestors" nillable="true" type="xs:string" />
        <xs:element name="_resultNodes" nillable="true" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ParameterSearchResultRecord" nillable="true"
type="tns:ParameterSearchResultRecord" />
<xs:complexType name="ParameterGetRemainingResultRecord">
    <xs:sequence>
        <xs:element name="_members" nillable="true" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ParameterGetRemainingResultRecord" nillable="true"
type="tns:ParameterGetRemainingResultRecord" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System.Data"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System.Data"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:element name="DataTable" nillable="true">
        <xs:complexType>
            <xs:sequence>
                <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
</xs:schema>
</wsdl:types>
<wsdl:message name="IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage">
    <wsdl:part name="parameters" element="i0:UpdateSettingValue" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage">
    <wsdl:part name="parameters" element="i0:UpdateSettingValueResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q1:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationSetting_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAnnotationSetting" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationSetting_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAnnotationSettingResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotationSetting_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q2="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q2:BpmException" />

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</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetDependentElements_InputMessage">
  <wsdl:part name="parameters" element="i0:GetDependentElements" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetDependentElements_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetDependentElementsResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetDependentElements_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q3="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q3:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetTreeMembersDataTable_InputMessage">
  <wsdl:part name="parameters" element="i0:GetTreeMembersDataTable" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetTreeMembersDataTable_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetTreeMembersDataTableResponse" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage">
  <wsdl:part name="parameters" element="i0:RenderTreeMemberSelector" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage">
  <wsdl:part name="parameters" element="i0:RenderTreeMemberSelectorResponse" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetListItems_InputMessage">
  <wsdl:part name="parameters" element="i0:GetListItems" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetListItems_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetListItemsResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetListItems_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q4="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q4:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_RenderFilter_InputMessage">
  <wsdl:part name="parameters" element="i0:RenderFilter" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_RenderFilter_OutputMessage">
  <wsdl:part name="parameters" element="i0:RenderFilterResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q5="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q5:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetReportDependencies_InputMessage">
  <wsdl:part name="parameters" element="i0:GetReportDependencies" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetReportDependenciesResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMessage">

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        <wsdl:part
xmlns:q6="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q6:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage">
        <wsdl:part name="parameters" element="i0:ReportSupportsExportFormat" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage">
        <wsdl:part name="parameters" element="i0:ReportSupportsExportFormatResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q7="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q7:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportReport_InputMessage">
        <wsdl:part name="parameters" element="i0:ExportReport" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportReport_OutputMessage">
        <wsdl:part name="parameters" element="i0:ExportReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q8="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q8:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage">
        <wsdl:part name="parameters" element="i0:ScorecardSupportsExportFormat" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage">
        <wsdl:part name="parameters" element="i0:ScorecardSupportsExportFormatResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q9="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q9:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportScorecard_InputMessage">
        <wsdl:part name="parameters" element="i0:ExportScorecard" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportScorecard_OutputMessage">
        <wsdl:part name="parameters" element="i0:ExportScorecardResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q10="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q10:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderReport_InputMessage">
        <wsdl:part name="parameters" element="i0:RenderReport" />
    </wsdl:message>

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    <wsdl:message name="IBIMonitoringServiceApplication_RenderReport_OutputMessage">
      <wsdl:part name="parameters" element="i0:RenderReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q11="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q11:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage">
      <wsdl:part name="parameters" element="i0:GetScorecardDependencies" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetScorecardDependenciesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q12="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q12:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderScorecard_InputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecard" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderScorecard_OutputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecardResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q13="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q13:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecardAjaxControl" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecardAjaxControlResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q14:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage">
      <wsdl:part name="parameters" element="i0:GetRenderControlPreview" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetRenderControlPreviewResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q15:BpmException" />
    </wsdl:message>
  </wsdl:service>
</wsdl:definitions>

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        <wsdl:part
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q15:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage">
        <wsdl:part name="parameters" element="i0:GetDrillThroughPreview" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetDrillThroughPreviewResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q16:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage">
        <wsdl:part name="parameters" element="i0:DecompStartAnalyze" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage">
        <wsdl:part name="parameters" element="i0:DecompStartAnalyzeResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q17:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompAutoExpand_InputMessage">
        <wsdl:part name="parameters" element="i0:DecompAutoExpand" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecompAutoExpand_OutputMessage">
        <wsdl:part name="parameters" element="i0:DecompAutoExpandResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompAutoExpand_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q18:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_InputMessage">
        <wsdl:part name="parameters" element="i0:DecompCreateNavigationList" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_OutputMessage">
        <wsdl:part name="parameters" element="i0:DecompCreateNavigationListResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q19:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompGetMemberProperties_InputMessage">
        <wsdl:part name="parameters" element="i0:DecompGetMemberProperties" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecompGetMemberProperties_OutputMessage">

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        <wsdl:part name="parameters" element="i0:DecompGetMemberPropertiesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecomGetMemberProperties_BpmExceptionFault_FaultMessag
e">
        <wsdl:part
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q20:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecomExpand_InputMessage">
        <wsdl:part name="parameters" element="i0:DecompExpand" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecomExpand_OutputMessage">
        <wsdl:part name="parameters" element="i0:DecompExpandResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecomExpand_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q21="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q21:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetReportViewImageData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetReportViewImageDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q22="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q22:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotation_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotation_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotation_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q23="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q23:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationByID_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotationByID" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationByID_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotationByIDResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotationByID_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q24:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAllAnnotationsByScorecardLocation" />

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    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAllAnnotationsByScorecardLocationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_BpmExceptionFault_
FaultMessage">
    <wsdl:part
xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q25:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateAnnotation_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateAnnotation_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateAnnotation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q26:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_UpdateAnnotation_InputMessage">
    <wsdl:part name="parameters" element="i0:UpdateAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_UpdateAnnotation_OutputMessage">
    <wsdl:part name="parameters" element="i0:UpdateAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_UpdateAnnotation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q27="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q27:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteAnnotation_InputMessage">
    <wsdl:part name="parameters" element="i0>DeleteAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteAnnotation_OutputMessage">
    <wsdl:part name="parameters" element="i0>DeleteAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DeleteAnnotation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q28="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q28:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_InputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByScorecardLocation" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_OutputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByScorecardLocationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_BpmExceptionFault_Fau
ltMessage">

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    <wsdl:part
xmlns:q29="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q29:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_InputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByOwner" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_OutputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByOwnerResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q30="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q30:BpmException" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_InputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationUntouchedSince" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_OutputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationUntouchedSinceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_BpmExceptionFault_FaultMes
sage">
    <wsdl:part
xmlns:q31="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q31:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_CreateDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_CreateDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_CreateDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q32:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_UpdateDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:UpdateDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_UpdateDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:UpdateDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_UpdateDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q33="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q33:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:GetDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetDataSourceResponse" />

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    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDataSource_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q34="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q34:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteDataSource_InputMessage">
      <wsdl:part name="parameters" element="i0:DeleteDataSource" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteDataSource_OutputMessage">
      <wsdl:part name="parameters" element="i0:DeleteDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DeleteDataSource_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q35="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q35:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_SaveFilterValues_InputMessage">
      <wsdl:part name="parameters" element="i0:SaveFilterValues" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage">
      <wsdl:part name="parameters" element="i0:SaveFilterValuesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q36="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q36:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage">
      <wsdl:part name="parameters" element="i0:SearchParameterDisplayData" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage">
      <wsdl:part name="parameters" element="i0:SearchParameterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SearchParameterDisplayData_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q37:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage">
      <wsdl:part name="parameters" element="i0:GetRemainingParameterDisplayData" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetRemainingParameterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q38="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q38:BpmException" />
    </wsdl:message>

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    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage">
    <wsdl:part name="parameters" element="i0:GetRemainingSearchResults" />
</wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetRemainingSearchResultsResponse" />
</wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingSearchResults_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q39="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q39:BpmException" />
</wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetKpisFromScorecard_InputMessage">
    <wsdl:part name="parameters" element="i0:GetKpisFromScorecard" />
</wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetKpisFromScorecard_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetKpisFromScorecardResponse" />
</wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetKpisFromScorecard_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q40="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q40:BpmException" />
</wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnalyticReportView_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAnalyticReportView" />
</wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnalyticReportView_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAnalyticReportViewResponse" />
</wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAnalyticReportView_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q41="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q41:BpmException" />
</wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage">
    <wsdl:part name="parameters" element="i0:GetStrategyMapReportView" />
</wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetStrategyMapReportViewResponse" />
</wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q42="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q42:BpmException" />
</wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLatestAnalyticReportVersion" />
</wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLatestAnalyticReportVersionResponse" />
</wsdl:message>

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    <wsdl:message
name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_BpmExceptionFault_FaultM
essage">
    <wsdl:part
xmlns:q43="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q43:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettings_InputMessage">
    <wsdl:part name="parameters" element="i0:GetSettings" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettings_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q44:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSetting_InputMessage">
    <wsdl:part name="parameters" element="i0:GetSetting" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSetting_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q45="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q45:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettingValue_InputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingValue" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettingValue_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingValueResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q46="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q46:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_InputMessage">
    <wsdl:part name="parameters" element="i0:GetMdx" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetMdxResponse" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q47="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q47:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_InputMessage">
    <wsdl:part name="parameters" element="i0:SaveTemporaryAnalyticReport" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_OutputMessage">

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        <wsdl:part name="parameters" element="i0:SaveTemporaryAnalyticReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_BpmExceptionFault_FaultMess
age">
        <wsdl:part
xmlns:q48="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q48:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage">
        <wsdl:part name="parameters" element="i0:SaveTemporaryStrategyMapReport" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage">
        <wsdl:part name="parameters" element="i0:SaveTemporaryStrategyMapReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault_FaultM
essage">
        <wsdl:part
xmlns:q49="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q49:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetQueryResultMembers_InputMessage">
        <wsdl:part name="parameters" element="i0:GetQueryResultMembers" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetQueryResultMembers_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetQueryResultMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetQueryResultMembers_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q50="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q50:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="i0:GetDatabaseNamesFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetDatabaseNamesFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_BpmExceptionFault_FaultM
essage">
        <wsdl:part
xmlns:q51="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q51:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetPreviewDataSet_InputMessage">
        <wsdl:part name="parameters" element="i0:GetPreviewDataSet" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetPreviewDataSet_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetPreviewDataSetResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetPreviewDataSet_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q52="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q52:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeNameInfos_InputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeNameInfos" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeNameInfos_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeNameInfosResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeNameInfos_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q53="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q53:BpmException" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_GetCubeMetaData_InputMessage">
            <wsdl:part name="parameters" element="i0:GetCubeMetaData" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_GetCubeMetaData_OutputMessage">
            <wsdl:part name="parameters" element="i0:GetCubeMetaDataResponse" />
        </wsdl:message>
        <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaData_BpmExceptionFault_FaultMessage">
            <wsdl:part
xmlns:q54="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q54:BpmException" />
            </wsdl:message>
            <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_InputMessage">
                <wsdl:part name="parameters" element="i0:GetCubeMetaDataForDataSource" />
            </wsdl:message>
            <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_OutputMessage">
                <wsdl:part name="parameters" element="i0:GetCubeMetaDataForDataSourceResponse" />
            </wsdl:message>
            <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_BpmExceptionFault_FaultMes
sage">
                <wsdl:part
xmlns:q55="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q55:BpmException" />
                </wsdl:message>
                <wsdl:message name="IBIMonitoringServiceApplication_TestConnection_InputMessage">
                    <wsdl:part name="parameters" element="i0:TestConnection" />
                </wsdl:message>
                <wsdl:message name="IBIMonitoringServiceApplication_TestConnection_OutputMessage">
                    <wsdl:part name="parameters" element="i0:TestConnectionResponse" />
                </wsdl:message>
                <wsdl:message
name="IBIMonitoringServiceApplication_TestConnection_BpmExceptionFault_FaultMessage">
                    <wsdl:part
xmlns:q56="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q56:BpmException" />
                    </wsdl:message>
                    <wsdl:message name="IBIMonitoringServiceApplication_GetDimensions_InputMessage">
                        <wsdl:part name="parameters" element="i0:GetDimensions" />
                    </wsdl:message>
                    <wsdl:message name="IBIMonitoringServiceApplication_GetDimensions_OutputMessage">
                        <wsdl:part name="parameters" element="i0:GetDimensionsResponse" />

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    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensions_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q57="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q57:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_InputMessage">
      <wsdl:part name="parameters" element="i0:GetDimensionsFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetDimensionsFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_BpmExceptionFault_FaultMess
age">
      <wsdl:part
xmlns:q58="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q58:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCube_InputMessage">
      <wsdl:part name="parameters" element="i0:GetCube" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCube_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetCubeResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCube_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q59="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q59:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeFromDataSource_InputMessage">
      <wsdl:part name="parameters" element="i0:GetCubeFromDataSource" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeFromDataSource_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetCubeFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeFromDataSource_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q60="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q60:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_InputMessage">
      <wsdl:part name="parameters" element="i0:QueryDimensionRootMembers" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_OutputMessage">
      <wsdl:part name="parameters" element="i0:QueryDimensionRootMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_BpmExceptionFault_FaultMessag
e">
      <wsdl:part
xmlns:q61="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q61:BpmException" />
    </wsdl:message>

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    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryDimensionRootMembersFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryDimensionRootMembersFromDataSourceResponse"
/>
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q62="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q62:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTransformMembers_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryTransformMembers" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTransformMembers_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryTransformMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTransformMembers_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q63="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q63:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryChildMembers_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembers" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryChildMembers_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembers_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q64="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q64:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q65="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q65:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersByRangeFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_OutputMessage">

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        <wsdl:part name="parameters" element="i0:QueryChildMembersByRangeFromDataSourceResponse"
    />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q66="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q66:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryRelatedMember_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMember" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryRelatedMember_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMemberResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMember_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q67="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q67:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMemberFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMemberFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q68="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q68:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryNamedSets_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSets" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryNamedSets_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSetsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSets_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q69="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q69:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSetsFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSetsFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_BpmExceptionFault_FaultMessage">

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    <wsdl:part
xmlns:q70="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q70:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateKpi_InputMessage">
    <wsdl:part name="parameters" element="i0:ValidateKpi" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateKpi_OutputMessage">
    <wsdl:part name="parameters" element="i0:ValidateKpiResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_ValidateKpi_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q71="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q71:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateScorecard_InputMessage">
    <wsdl:part name="parameters" element="i0:ValidateScorecard" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateScorecard_OutputMessage">
    <wsdl:part name="parameters" element="i0:ValidateScorecardResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_ValidateScorecard_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q72="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q72:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage">
    <wsdl:part name="parameters" element="i0:ValidateSiteCollection" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage">
    <wsdl:part name="parameters" element="i0:ValidateSiteCollectionResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q73="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q73:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_MaintenanceJob_InputMessage">
    <wsdl:part name="parameters" element="i0:MaintenanceJob" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage">
    <wsdl:part name="parameters" element="i0:MaintenanceJobResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q74="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q74:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GenerateView_InputMessage">
    <wsdl:part name="parameters" element="i0:GenerateView" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GenerateView_OutputMessage">
    <wsdl:part name="parameters" element="i0:GenerateViewResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GenerateView_BpmExceptionFault_FaultMessage">

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        <wsdl:part
xmlns:q75="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q75:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GenerateViewDirect_InputMessage">
        <wsdl:part name="parameters" element="i0:GenerateViewDirect" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GenerateViewDirect_OutputMessage">
        <wsdl:part name="parameters" element="i0:GenerateViewDirectResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GenerateViewDirect_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q76="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q76:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAsKpis_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAsKpis" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAsKpis_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetAsKpisResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAsKpis_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q77="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q77:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterDisplayData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterDisplayData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterDisplayData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetParameterDisplayData_BpmExceptionFault_FaultMessage"
>
        <wsdl:part
xmlns:q78="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q78:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetFilterDisplayData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetFilterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q79="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q79:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterMessageData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterMessageDataResponse" />
    </wsdl:message>

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    <wsdl:message
name="IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultMessage"
>
    <wsdl:part
xmlns:q80="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q80:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTimeIntelligence_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligence" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTimeIntelligence_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligenceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligence_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q81="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q81:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligenceDirect" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligenceDirectResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_BpmExceptionFault_FaultMess
age">
    <wsdl:part
xmlns:q82="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q82:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_InputMessage">
    <wsdl:part name="parameters" element="i0:GetRegisteredCustomFCOs" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetRegisteredCustomFCOsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_BpmExceptionFault_FaultMessage"
>
    <wsdl:part
xmlns:q83="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q83:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateReportHtml_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateReportHtml" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateReportHtmlResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q84="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q84:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateNavigationMetadata" />

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    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateNavigationMetadataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q85="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q85:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage">
    <wsdl:part name="parameters" element="i0:GetFilterDependencies" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetFilterDependenciesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q86="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q86:BpmException" />
    </wsdl:message>
    <wsdl:portType name="IBIMonitoringServiceApplication">
    <wsdl:operation name="UpdateSettingValue">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValue"
message="i0:IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValueResponse"
message="i0:IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValueBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetAnnotationSetting">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSetting"
message="i0:IBIMonitoringServiceApplication_GetAnnotationSetting_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSettingResponse"
message="i0:IBIMonitoringServiceApplication_GetAnnotationSetting_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSettingBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnnotationSetting_BpmExceptionFault_FaultMessa
ge" />
    </wsdl:operation>
    <wsdl:operation name="GetDependentElements">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDependentElements"
message="i0:IBIMonitoringServiceApplication_GetDependentElements_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetDependentElementsResponse"
message="i0:IBIMonitoringServiceApplication_GetDependentElements_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDependentElementsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDependentElements_BpmExceptionFault_FaultMessa
ge" />
  </wsdl:operation>
  <wsdl:operation name="GetTreeMembersDataTable">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetTreeMembersDataTable"
message="i0:IBIMonitoringServiceApplication_GetTreeMembersDataTable_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetTreeMembersDataTableResponse"
message="i0:IBIMonitoringServiceApplication_GetTreeMembersDataTable_OutputMessage" />
    </wsdl:operation>
    <wsdl:operation name="RenderTreeMemberSelector">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderTreeMemberSelector"
message="i0:IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderTreeMemberSelectorResponse"
message="i0:IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage" />
      </wsdl:operation>
      <wsdl:operation name="GetListItems">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItems" message="i0:IBIMonitoringServiceApplication_GetListItems_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItemsResponse"
message="i0:IBIMonitoringServiceApplication_GetListItems_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItemsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetListItems_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="RenderFilter">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilter" message="i0:IBIMonitoringServiceApplication_RenderFilter_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilterResponse"
message="i0:IBIMonitoringServiceApplication_RenderFilter_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilterBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage" />
          </wsdl:operation>
          <wsdl:operation name="GetReportDependencies">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependencies"
message="i0:IBIMonitoringServiceApplication_GetReportDependencies_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesResponse"
message="i0:IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMess
age" />
    </wsdl:operation>
    <wsdl:operation name="ReportSupportsExportFormat">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormat"
message="i0:IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormatResponse"
message="i0:IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_Faul
tMessage" />
        </wsdl:operation>
        <wsdl:operation name="ExportReport">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReport" message="i0:IBIMonitoringServiceApplication_ExportReport_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportResponse"
message="i0:IBIMonitoringServiceApplication_ExportReport_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="ScorecardSupportsExportFormat">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormat"
message="i0:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormatResponse"
message="i0:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_F
aultMessage" />
                </wsdl:operation>
                <wsdl:operation name="ExportScorecard">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecard"
message="i0:IBIMonitoringServiceApplication_ExportScorecard_InputMessage" />
                    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardResponse"
message="i0:IBIMonitoringServiceApplication_ExportScorecard_OutputMessage" />
                    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage"
/>
                    />

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        </wsdl:operation>
        <wsdl:operation name="RenderReport">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReport" message="i0:IBIMonitoringServiceApplication_RenderReport_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportResponse"
message="i0:IBIMonitoringServiceApplication_RenderReport_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="GetScorecardDependencies">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependencies"
message="i0:IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesResponse"
message="i0:IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_FaultM
essage" />
                </wsdl:operation>
                <wsdl:operation name="RenderScorecard">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecard"
message="i0:IBIMonitoringServiceApplication_RenderScorecard_InputMessage" />
                    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardResponse"
message="i0:IBIMonitoringServiceApplication_RenderScorecard_OutputMessage" />
                    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage"
/>
                    </wsdl:operation>
                    <wsdl:operation name="RenderScorecardAjaxControl">
                        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControl"
message="i0:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage" />
                        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlResponse"
message="i0:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage" />
                        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_Faul
tMessage" />
                        </wsdl:operation>
                        <wsdl:operation name="GetRenderControlPreview">
                            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetRenderControlPreview"
message="i0:IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRenderControlPreviewResponse"
message="i0:IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRenderControlPreviewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultMes
sage" />
  </wsdl:operation>
  <wsdl:operation name="GetDrillThroughPreview">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreview"
message="i0:IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreviewResponse"
message="i0:IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreviewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMes
sage" />
    </wsdl:operation>
    <wsdl:operation name="DecompStartAnalyze">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyze"
message="i0:IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeResponse"
message="i0:IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessage
" />
      </wsdl:operation>
      <wsdl:operation name="DecompAutoExpand">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpand"
message="i0:IBIMonitoringServiceApplication_DecompAutoExpand_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpandResponse"
message="i0:IBIMonitoringServiceApplication_DecompAutoExpand_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpandBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompAutoExpand_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="DecompCreateNavigationList">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompCreateNavigationList"
message="i0:IBIMonitoringServiceApplication_DecompCreateNavigationList_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/DecompCreateNavigationListResponse"
message="i0:IBIMonitoringServiceApplication_DecompCreateNavigationList_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompCreateNavigationListBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompCreateNavigationList_BpmExceptionFault_Faul
tMessage" />
  </wsdl:operation>
  <wsdl:operation name="DecompGetMemberProperties">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberProperties"
message="i0:IBIMonitoringServiceApplication_DecompGetMemberProperties_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberPropertiesResponse"
message="i0:IBIMonitoringServiceApplication_DecompGetMemberProperties_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberPropertiesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompGetMemberProperties_BpmExceptionFault_Fault
Message" />
    </wsdl:operation>
    <wsdl:operation name="DecompExpand">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpand" message="i0:IBIMonitoringServiceApplication_DecompExpand_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpandResponse"
message="i0:IBIMonitoringServiceApplication_DecompExpand_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpandBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompExpand_BpmExceptionFault_FaultMessage" />
      </wsdl:operation>
      <wsdl:operation name="GetReportViewImageData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageData"
message="i0:IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataResponse"
message="i0:IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMes
sage" />
        </wsdl:operation>
        <wsdl:operation name="GetAnnotation">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotation" message="i0:IBIMonitoringServiceApplication_GetAnnotation_InputMessage"
/>
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_GetAnnotation_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnnotation_BpmExceptionFault_FaultMessage" />

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    </wsdl:operation>
    <wsdl:operation name="GetAnnotationByID">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByID"
message="i0:IBIMonitoringServiceApplication_GetAnnotationByID_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByIDResponse"
message="i0:IBIMonitoringServiceApplication_GetAnnotationByID_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnnotationByID_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetAllAnnotationsByScorecardLocation">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocation"
message="i0:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_InputMessage
" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocationResponse"
message="i0:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_OutputMessag
e" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_BpmException
Fault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CreateAnnotation">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotation"
message="i0:IBIMonitoringServiceApplication_CreateAnnotation_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_CreateAnnotation_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateAnnotation_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="UpdateAnnotation">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotation"
message="i0:IBIMonitoringServiceApplication_UpdateAnnotation_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_UpdateAnnotation_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_UpdateAnnotation_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>

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        <wsdl:operation name="DeleteAnnotation">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotation"
message="i0:IBIMonitoringServiceApplication_DeleteAnnotation_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_DeleteAnnotation_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DeleteAnnotation_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="TrimAnnotationByScorecardLocation">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocation"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_InputMessage"
/>
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocationResponse"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_OutputMessage"
/>
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_BpmExceptionFau
lt_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="TrimAnnotationByOwner">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwner"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByOwner_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwnerResponse"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByOwner_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwnerBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByOwner_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="TrimAnnotationUntouchedSince">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSince"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSinceResponse"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSinceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_BpmExceptionFault_Fa
ultMessage" />
        </wsdl:operation>
        <wsdl:operation name="CreateDataSource">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSource"
message="i0:IBIMonitoringServiceApplication_CreateDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_CreateDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateDataSource_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="UpdateDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSource"
message="i0:IBIMonitoringServiceApplication_UpdateDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_UpdateDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_UpdateDataSource_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSource" message="i0:IBIMonitoringServiceApplication_GetDataSource_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDataSource_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DeleteDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSource"
message="i0:IBIMonitoringServiceApplication_DeleteDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_DeleteDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DeleteDataSource_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="SaveFilterValues">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValues"
message="i0:IBIMonitoringServiceApplication_SaveFilterValues_InputMessage" />

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        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesResponse"
message="i0:IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="SearchParameterDisplayData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SearchParameterDisplayData"
message="i0:IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SearchParameterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SearchParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SearchParameterDisplayData_BpmExceptionFault_Faul
tMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetRemainingParameterDisplayData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingParameterDisplayData"
message="i0:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingParameterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_BpmExceptionFaul
t_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetRemainingSearchResults">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingSearchResults"
message="i0:IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingSearchResultsResponse"
message="i0:IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingSearchResultsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRemainingSearchResults_BpmExceptionFault_Fault
Message" />
    </wsdl:operation>
    <wsdl:operation name="GetKpisFromScorecard">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetKpisFromScorecard"
message="i0:IBIMonitoringServiceApplication_GetKpisFromScorecard_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetKpisFromScorecardResponse"
message="i0:IBIMonitoringServiceApplication_GetKpisFromScorecard_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetKpisFromScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetKpisFromScorecard_BpmExceptionFault_FaultMessa
ge" />
  </wsdl:operation>
  <wsdl:operation name="GetAnalyticReportView">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportView"
message="i0:IBIMonitoringServiceApplication_GetAnalyticReportView_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportViewResponse"
message="i0:IBIMonitoringServiceApplication_GetAnalyticReportView_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportViewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnalyticReportView_BpmExceptionFault_FaultMess
age" />
    </wsdl:operation>
    <wsdl:operation name="GetStrategyMapReportView">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportView"
message="i0:IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportViewResponse"
message="i0:IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportViewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_FaultM
essage" />
      </wsdl:operation>
      <wsdl:operation name="GetLatestAnalyticReportVersion">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersion"
message="i0:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersionResponse"
message="i0:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersionBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_BpmExceptionFault_
FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetSettings">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettings" message="i0:IBIMonitoringServiceApplication_GetSettings_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingsResponse"
message="i0:IBIMonitoringServiceApplication_GetSettings_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetSettingsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetSetting">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSetting" message="i0:IBIMonitoringServiceApplication_GetSetting_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingResponse"
message="i0:IBIMonitoringServiceApplication_GetSetting_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetSettingValue">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValue"
message="i0:IBIMonitoringServiceApplication_GetSettingValue_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValueResponse"
message="i0:IBIMonitoringServiceApplication_GetSettingValue_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValueBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetMdx">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdx" message="i0:IBIMonitoringServiceApplication_GetMdx_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdxResponse" message="i0:IBIMonitoringServiceApplication_GetMdx_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdxBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetMdx_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="SaveTemporaryAnalyticReport">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReport"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReportResponse"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_BpmExceptionFault_Fau
ltMessage" />
  </wsdl:operation>
  <wsdl:operation name="SaveTemporaryStrategyMapReport">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReport"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage" />

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        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportResponse"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault_
FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetQueryResultMembers">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembers"
message="i0:IBIMonitoringServiceApplication_GetQueryResultMembers_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembersResponse"
message="i0:IBIMonitoringServiceApplication_GetQueryResultMembers_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetQueryResultMembers_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="GetDatabaseNamesFromDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSource"
message="i0:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_BpmExceptionFault_
FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetPreviewDataSet">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSet"
message="i0:IBIMonitoringServiceApplication_GetPreviewDataSet_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSetResponse"
message="i0:IBIMonitoringServiceApplication_GetPreviewDataSet_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSetBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetPreviewDataSet_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="GetCubeNameInfos">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeNameInfos"
message="i0:IBIMonitoringServiceApplication_GetCubeNameInfos_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetCubeNameInfosResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeNameInfos_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeNameInfosBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeNameInfos_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetCubeMetaData">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaData"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaData_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaData_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaData_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetCubeMetaDataForDataSource">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSource"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_BpmExceptionFault_Fa
ultMessage" />
  </wsdl:operation>
  <wsdl:operation name="TestConnection">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnection" message="i0:IBIMonitoringServiceApplication_TestConnection_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnectionResponse"
message="i0:IBIMonitoringServiceApplication_TestConnection_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnectionBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TestConnection_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetDimensions">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensions" message="i0:IBIMonitoringServiceApplication_GetDimensions_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsResponse"
message="i0:IBIMonitoringServiceApplication_GetDimensions_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetDimensionsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDimensions_BpmExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetDimensionsFromDataSource">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSource"
message="i0:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_BpmExceptionFault_Fau
ltMessage" />
  </wsdl:operation>
<wsdl:operation name="GetCube">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCube" message="i0:IBIMonitoringServiceApplication_GetCube_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeResponse" message="i0:IBIMonitoringServiceApplication_GetCube_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCube_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
<wsdl:operation name="GetCubeFromDataSource">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSource"
message="i0:IBIMonitoringServiceApplication_GetCubeFromDataSource_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeFromDataSource_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeFromDataSource_BpmExceptionFault_FaultMess
age" />
  </wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembers">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembers"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembers_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersResponse"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembers_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembers_BpmExceptionFault_Fault
Message" />
  </wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembersFromDataSource">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/QueryDimensionRootMembersFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_InputMess
age" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_OutputMes
sage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_BpmExcept
ionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryTransformMembers">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembers"
message="i0:IBIMonitoringServiceApplication_QueryTransformMembers_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembersResponse"
message="i0:IBIMonitoringServiceApplication_QueryTransformMembers_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryTransformMembers_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="QueryChildMembers">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembers"
message="i0:IBIMonitoringServiceApplication_QueryChildMembers_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersResponse"
message="i0:IBIMonitoringServiceApplication_QueryChildMembers_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryChildMembers_BpmExceptionFault_FaultMessage"
/>
            </wsdl:operation>
            <wsdl:operation name="QueryChildMembersFromDataSource">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_BpmExceptionFault
_FaultMessage" />
                </wsdl:operation>
                <wsdl:operation name="QueryChildMembersByRangeFromDataSource">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersByRangeFromDataSource"

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message="i0:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersByRangeFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersByRangeFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryRelatedMember">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMember"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMember_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberResponse"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMember_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMember_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="QueryRelatedMemberFromDataSource">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_BpmExceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="QueryNamedSets">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSets" message="i0:IBIMonitoringServiceApplication_QueryNamedSets_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSetsResponse"
message="i0:IBIMonitoringServiceApplication_QueryNamedSets_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSetsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryNamedSets_BpmExceptionFault_FaultMessage" />
                </wsdl:operation>
                <wsdl:operation name="QueryNamedSetsFromDataSource">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSetsFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_InputMessage" />

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        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_BpmExceptionFault_Fa
ultMessage" />
        </wsdl:operation>
        <wsdl:operation name="ValidateKpi">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpi" message="i0:IBIMonitoringServiceApplication_ValidateKpi_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpiResponse"
message="i0:IBIMonitoringServiceApplication_ValidateKpi_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpiBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ValidateKpi_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="ValidateScorecard">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecard"
message="i0:IBIMonitoringServiceApplication_ValidateScorecard_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecardResponse"
message="i0:IBIMonitoringServiceApplication_ValidateScorecard_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ValidateScorecard_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="ValidateSiteCollection">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollection"
message="i0:IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionResponse"
message="i0:IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMes
sage" />
        </wsdl:operation>
        <wsdl:operation name="MaintenanceJob">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJob" message="i0:IBIMonitoringServiceApplication_MaintenanceJob_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobResponse"
message="i0:IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage" />

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        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GenerateView">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateView" message="i0:IBIMonitoringServiceApplication_GenerateView_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewResponse"
message="i0:IBIMonitoringServiceApplication_GenerateView_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GenerateView_BpmExceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="GenerateViewDirect">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirect"
message="i0:IBIMonitoringServiceApplication_GenerateViewDirect_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirectResponse"
message="i0:IBIMonitoringServiceApplication_GenerateViewDirect_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirectBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GenerateViewDirect_BpmExceptionFault_FaultMessage
" />
                </wsdl:operation>
                <wsdl:operation name="GetAsKpis">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpis" message="i0:IBIMonitoringServiceApplication_GetAsKpis_InputMessage" />
                    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpisResponse" message="i0:IBIMonitoringServiceApplication_GetAsKpis_OutputMessage"
/>
                    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpisBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAsKpis_BpmExceptionFault_FaultMessage" />
                    </wsdl:operation>
                    <wsdl:operation name="GetParameterDisplayData">
                        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayData"
message="i0:IBIMonitoringServiceApplication_GetParameterDisplayData_InputMessage" />
                        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_GetParameterDisplayData_OutputMessage" />
                        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetParameterDisplayData_BpmExceptionFault_FaultMe
ssage" />
                        </wsdl:operation>
                        <wsdl:operation name="GetFilterDisplayData">

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        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayData"
message="i0:IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessa
ge" />
        </wsdl:operation>
        <wsdl:operation name="GetParameterMessageData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageData"
message="i0:IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageDataResponse"
message="i0:IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultMe
ssage" />
        </wsdl:operation>
        <wsdl:operation name="QueryTimeIntelligence">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligence"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligence_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceResponse"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligence_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligence_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="QueryTimeIntelligenceDirect">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirect"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirectResponse"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirectBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_BpmExceptionFault_Fau
ltMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetRegisteredCustomFCOs">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

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tion/GetRegisteredCustomFCOs"
message="i0:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRegisteredCustomFCOsResponse"
message="i0:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRegisteredCustomFCOsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_BpmExceptionFault_FaultMe
ssage" />
  </wsdl:operation>
  <wsdl:operation name="CreateReportHtml">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtml"
message="i0:IBIMonitoringServiceApplication_CreateReportHtml_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlResponse"
message="i0:IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="CreateNavigationMetadata">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadata"
message="i0:IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadataResponse"
message="i0:IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultM
essage" />
  </wsdl:operation>
  <wsdl:operation name="GetFilterDependencies">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependencies"
message="i0:IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependenciesResponse"
message="i0:IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMess
age" />
  </wsdl:operation>
</wsdl:portType>
  <wsdl:binding name="CustomBinding_IBIMonitoringServiceApplication"
type="i0:IBIMonitoringServiceApplication">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="UpdateSettingValue">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/UpdateSettingValue" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotationSetting">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotationSetting" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDependentElements">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDependentElements" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTreeMembersDataTable">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetTreeMembersDataTable" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="RenderTreeMemberSelector">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderTreeMemberSelector" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>

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        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetListItems">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetListItems" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderFilter">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderFilter" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetReportDependencies">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetReportDependencies" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ReportSupportsExportFormat">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ReportSupportsExportFormat" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ExportReport">

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        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ExportReport" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ScorecardSupportsExportFormat">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ScorecardSupportsExportFormat" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ExportScorecard">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ExportScorecard" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="RenderReport">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderReport" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetScorecardDependencies">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetScorecardDependencies" style="document" />
        <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderScorecard">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderScorecardAjaxControl">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardAjaxControl" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRenderControlPreview">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreview" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDrillThroughPreview">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreview" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

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        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompStartAnalyze">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompStartAnalyze" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompAutoExpand">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompAutoExpand" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompCreateNavigationList">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompCreateNavigationList" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompGetMemberProperties">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompGetMemberProperties" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

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</wsdl:operation>
<wsdl:operation name="DecompExpand">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompExpand" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetReportViewImageData">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetReportViewImageData" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotation">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotation" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotationByID">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotationByID" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllAnnotationsByScorecardLocation">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAllAnnotationsByScorecardLocation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/CreateAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/UpdateAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DeleteAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TrimAnnotationByScorecardLocation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/TrimAnnotationByScorecardLocation" style="document" />
    <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TrimAnnotationByOwner">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/TrimAnnotationByOwner" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TrimAnnotationUntouchedSince">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/TrimAnnotationUntouchedSince" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />

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        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetDataSource">
        <soap:operation
            soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteDataSource">
        <soap:operation
            soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DeleteDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SaveFilterValues">
        <soap:operation
            soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValues" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SearchParameterDisplayData">
        <soap:operation
            soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayData" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

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</wsdl:operation>
<wsdl:operation name="GetRemainingParameterDisplayData">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetRemainingParameterDisplayData" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRemainingSearchResults">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetRemainingSearchResults" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetKpisFromScorecard">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetKpisFromScorecard" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnalyticReportView">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnalyticReportView" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetStrategyMapReportView">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetStrategyMapReportView" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLatestAnalyticReportVersion">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetLatestAnalyticReportVersion" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSettings">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSettings" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSetting">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSetting" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSettingValue">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSettingValue" style="document" />
    <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMdx">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetMdx" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveTemporaryAnalyticReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryAnalyticReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveTemporaryStrategyMapReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetQueryResultMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetQueryResultMembers" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

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        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetDatabaseNamesFromDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDatabaseNamesFromDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPreviewDataSet">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetPreviewDataSet" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetCubeNameInfos">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeNameInfos" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetCubeMetaData">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeMetaData" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

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</wsdl:operation>
<wsdl:operation name="GetCubeMetaDataForDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeMetaDataForDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TestConnection">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/TestConnection" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDimensions">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDimensions" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDimensionsFromDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDimensionsFromDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCube">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCube" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCubeFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryDimensionRootMembers" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembersFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryDimensionRootMembersFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTransformMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryTransformMembers" style="document" />
    <wsdl:input>

```



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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembers" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembersFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembersByRangeFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersByRangeFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryRelatedMember">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMember" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />

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        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="QueryRelatedMemberFromDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryRelatedMemberFromDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="QueryNamedSets">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryNamedSets" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="QueryNamedSetsFromDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryNamedSetsFromDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ValidateKpi">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ValidateKpi" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

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</wsdl:operation>
<wsdl:operation name="ValidateScorecard">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ValidateScorecard" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ValidateSiteCollection">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ValidateSiteCollection" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MaintenanceJob">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/MaintenanceJob" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GenerateView">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GenerateView" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GenerateViewDirect">

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    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GenerateViewDirect" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAsKpis">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAsKpis" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetParameterDisplayData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetParameterDisplayData" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFilterDisplayData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetFilterDisplayData" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetParameterMessageData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetParameterMessageData" style="document" />
    <wsdl:input>

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        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTimeIntelligence">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryTimeIntelligence" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTimeIntelligenceDirect">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryTimeIntelligenceDirect" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRegisteredCustomFCOs">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRegisteredCustomFCOs" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateReportHtml">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtml" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

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        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CreateNavigationMetadata">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/CreateNavigationMetadata" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFilterDependencies">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetFilterDependencies" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```

## 7 Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft® SharePoint® Server 2010
- Microsoft® SharePoint® Server 15 Technical Preview

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

[<1> Section 2.2.4.15:](#) This type is available only in SharePoint Server 15 Technical Preview.

[<2> Section 3.1.2:](#) In SharePoint Server 2010, the default query timeout is 300 seconds.

[<3> Section 3.1.4:](#) In SharePoint Server 2010, the **RenderTreeMemberSelector** method is not used.

[<4> Section 3.1.4.10:](#) This operation is available only in SharePoint Server 15 Technical Preview.

[<5> Section 3.1.4.11:](#) This operation is available only in SharePoint Server 15 Technical Preview.

[<6> Section 3.1.4.25:](#) In SharePoint Server 2010, the **RenderTreeMemberSelector** method is not used.

[<7> Section 3.1.4.30:](#) This operation is available only in SharePoint Server 15 Technical Preview.

[<8> Section 3.1.4.32:](#) This operation is available only in SharePoint Server 15 Technical Preview.

[<9> Section 3.1.4.33:](#) This operation is available only in SharePoint Server 15 Technical Preview.

[<10> Section 3.1.4.34:](#) This operation is available only in SharePoint Server 15 Technical Preview.

## 8 Change Tracking

This section identifies changes that were made to the [MS-PPSAPP] protocol document between the June 2011 and January 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.



- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact [protocol@microsoft.com](mailto:protocol@microsoft.com).

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">1.1 Glossary</a>	Added "Secure Sockets Layer (SSL)", "assembly name", "document library", "drilldown", "item", "level", "site", "site collection", "subsite", "Uniform Resource Locator (URL)".	N	New content added.
<a href="#">1.1 Glossary</a>	Added "Web Services Description Language (WSDL)", "XML schema", "security zone".	N	New content added.
<a href="#">1.1 Glossary</a>	Removed "target".	N	Content removed.
<a href="#">1.2.1 Normative References</a>	Removed references [SOAP1.2/2], [W3C-XSD], and [WSAddressing].	N	Content removed.
<a href="#">1.2.2 Informative References</a>	Removed reference [MC-NMF].	N	Content removed.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">1.2.2 Informative References</a>	Added references [SOAP1.2/2], [X400].	N	New content added.
<a href="#">1.7 Versioning and Capability Negotiation</a>	Added a link to section 2.1 Transport.	N	Content updated.
<a href="#">2.1 Transport</a>	Added a table of additional SOAP headers that the client must transmit.	Y	New content added.
<a href="#">2.2.1 Namespaces</a>	Removed from the table of namespaces those rows whose prefix is "a", "tns4", "soap12", or "q".	N	Content removed.
<a href="#">2.2.2.1 Faults</a>	Added new section "Faults"; moved from former location following "Attribute Groups".	N	New content added.
<a href="#">2.2.2.1 Faults</a>	Added this section.	Y	New content added.
<a href="#">2.2.2.1.1 SOAP Fault Detail Element</a>	Added new section "SOAP Fault Detail Element"; moved from former location following "Attribute Groups".	N	New content added.
<a href="#">2.2.2.1.1 SOAP Fault Detail Element</a>	Added this section.	Y	New content added.
<a href="#">2.2.2.1.2 Full List of Possible Error Codes</a>	Added new section "Full List of Possible Error Codes"; moved from former location following "Attribute Groups".	N	New content added.
<a href="#">2.2.2.1.2 Full List of Possible Error Codes</a>	Added this section.	Y	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			nt added .
<a href="#">2.2.2.1.3 Common List of Error Codes</a>	Added new section "Common List of Error Codes"; moved from former location following "Attribute Groups".	N	New content added .
<a href="#">2.2.2.1.3 Common List of Error Codes</a>	Added this section.	Y	New content added .
<a href="#">2.2.4 Complex Types</a>	Removed "ArrayOfDataSourceVariable",	Y	Content removed.
<a href="#">2.2.4 Complex Types</a>	Added "ArrayOfMeasure", "CalculatedMember", "Dashboard", "Filter", and "GridViewDefinition" complex types.	Y	New content added .
<a href="#">2.2.4 Complex Types</a>	Clairified descriptions of "GridDisplayElementNumber", "GridScoreSettings", "Member", and "MemberTransform"	Y	Content updated.
<a href="#">2.2.4.1 ArrayOfArrayOfKeyValueOfstringanyType</a>	Added "Namespace" information.	N	New content added .
<a href="#">2.2.4.2 ArrayOfArrayOfString</a>	Added namespace information.	N	New content added .
<a href="#">2.2.4.3 ArrayOfBIData</a>	Added namespace information.	N	New content added .
<a href="#">2.2.4.4 ArrayOfKeyValueOfstringanyType</a>	Added namespace information.	N	New content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			added .
<a href="#">2.2.4.5 ArrayOfScriptDependency</a>	Added namespace information.	N	New content added .
<a href="#">2.2.4.6 ArrayOfSubstitutionPair</a>	Added namespace information.	N	New content added .
<a href="#">2.2.4.7 BIData</a>	Added namespace information.	N	New content added .
<a href="#">2.2.4.8 BpmException</a>	Added namespace information. Also added "complexContent" and "extension base" information to the schema.	N	New content added .
<a href="#">2.2.4.9 DecompQueryParameters</a>	Added namespace information.	N	New content added .
<a href="#">2.2.4.10 DictionaryWrapperOfStringListOfString</a>	Added "Namespace" information.	N	New content added .
<a href="#">2.2.4.11 DictionaryWrapperOfStringString</a>	Added namespace information.	N	New content added .
<a href="#">2.2.4.12 ExportSettings</a>	Added "Namespace" information.	N	New content added .
<a href="#">2.2.4.13 OfficeExportInfo</a>	Added namespace information.	N	New content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			added.
<a href="#">2.2.4.14 ParameterMessage</a>	Added namespace information.	N	New content added.
<a href="#">2.2.4.15 ParameterSearchResultRecord</a>	Added this section.	Y	New content added.
<a href="#">2.2.4.16 ResourceDependencies</a>	Added namespace information.	N	New content added.
<a href="#">2.2.4.17 ScriptDependency</a>	Added namespace information.	N	New content added.
<a href="#">2.2.4.17 ScriptDependency</a>	Removed AssemblyName and ForceRelease.	Y	Content removed.
<a href="#">2.2.4.18 Setting</a>	Added namespace information and also AnalyticResultCacheMinimumHitCount.	N	New content added.
<a href="#">2.2.4.18 Setting</a>	Revised description of EnableDeletionByAuthor.	N	Content updated.
<a href="#">2.2.4.19 SubstitutionPair</a>	Added namespace information.	N	New content added.
<a href="#">2.2.4.20 WebPartContext</a>	Added namespace information.	N	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">2.2.4.21 WebPartContextUpdate</a>	Added namespace information.	N	New content added.
<a href="#">2.2.4.22 DictionaryWrapperOfStringArrayOfString</a>	Added namespace information.	N	New content added.
<a href="#">2.2.5 Simple Types</a>	Added FilterSelectionMode.	N	Content updated.
<a href="#">2.2.5.1 ExportFormat</a>	Added namespace information.	N	New content added.
<a href="#">2.2.5.2 SettingType</a>	Added namespace information.	N	New content added.
<a href="#">3.1.1 Abstract Data Model</a>	Clarified discussion about first-class elements being published.	Y	Content updated.
<a href="#">3.1.1 Abstract Data Model</a>	Added discussion of the Dashboard, Scorecard, Filter, KPI, and Annotation	Y	New content added.
<a href="#">3.1.2 Timers</a>	Updated the product behavior note for Query Timeout.	N	Product behavior note updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Clarified the description of the "UpdateDataSource" operation.	Y	Content updated.
<a href="#">3.1.4</a>	Added	N	New

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">Message Processing Events and Sequencing Rules</a>	"GetStrategyMapReportView", and "MaintenanceJob".		content added.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Removed "GetTreeMembersDataTable".	N	Content removed.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated the product behavior note for RenderTreeMemberSelector.	N	Product behavior note updated.
<a href="#">3.1.4.1.1.2 IBIMonitoringServiceApplication CreateNavigationMetadata OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.1.2.1 CreateNavigationMetadata</a>	Clarified the description of reportLocation.	N	Content updated.
<a href="#">3.1.4.2.1.2 IBIMonitoringServiceApplication CreateReportHtml Output Message</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.2.2.1 CreateReportHtml</a>	Clarified the description of targetControlType.	N	Content updated.
<a href="#">3.1.4.2.2.2 CreateReportHtmlResponse</a>	Specified that the html element SHOULD contain an error message if an error occurred while retrieving the list item.	N	Content updated.
<a href="#">3.1.4.2.2.2 CreateReportHtmlResponse</a>	Specified that the script element MUST contain a JavaScript string that defines the report's metadata and user interaction only if the operation was successful; otherwise, that element MUST be empty.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.2.2.2 CreateReportHtmlResponse</a>	Clarified the description of html and script.	N	Content updated.
<a href="#">3.1.4.3.1.2 IBIMonitoringServiceApplication_DecompileStartAnalyze_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.3.3.1 DecompileTupleRecord</a>	Added namespace information.	N	New content added.
<a href="#">3.1.4.4 ExportReport</a>	Clarified that the protocol server receives a WebPartContext	N	Content updated.
<a href="#">3.1.4.4.1.2 IBIMonitoringServiceApplication_ExportReport_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.4.2.1 ExportReport</a>	Clarified the schema for webPartContext.	N	Content updated.
<a href="#">3.1.4.4.2.2 ExportReportResponse</a>	Clarified the schema for ExportReportResult.	N	Content updated.
<a href="#">3.1.4.5 ExportScorecard</a>	Clarified that the server receives a WebPartContext.	N	Content updated.
<a href="#">3.1.4.5.1.2 IBIMonitoringServiceApplication_ExportScorecard_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.5.2.1 ExportScorecard</a>	Updated the schema for webPartContext.	N	Content updated.
<a href="#">3.1.4.5.2.2 ExportScorecardResponse</a>	Updated the schema for ExportScorecardResult.	N	Content updated.



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ed.
<a href="#">3.1.4.6.1.2 IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.6.2.1 GetDrillThroughPreview</a>	Clarified the description of page.	N	Content updated.
<a href="#">3.1.4.6.2.2 GetDrillThroughPreviewResponse</a>	Clarified the descriptions of all the elements.	N	Content updated.
<a href="#">3.1.4.7.1.2 IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.8.1.2 IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.8.2.1 GetFilterDisplayData</a>	Clarified the normative language in the descriptions of useSavedUserSelections and selectionsOnly.	N	Content updated.
<a href="#">3.1.4.9.1.2 IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.9.2.1 GetParameterMessageData</a>	Updated the schema for "parameterMessage", "parameterMapping", and "webPartContext".	N	Content updated.
<a href="#">3.1.4.10 GetRemainingParameterDisplayData</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.10.1.1 IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage</a>	Added this section.	Y	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.10.1.2</a> <a href="#">IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.10.2.1</a> <a href="#">GetRemainingParameterDisplayData</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.10.2.2</a> <a href="#">GetRemainingParameterDisplayDataResponse</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.10.3.1</a> <a href="#">ParameterGetRemainingResultRecord</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.11</a> <a href="#">GetRemainingSearchResults</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.11.1.1</a> <a href="#">IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.11.1.2</a> <a href="#">IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.11.2.1</a> <a href="#">GetRemainingSearchResults</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.11.2.2</a> <a href="#">GetRemainingSearchResultsResponse</a>	Added this section.	Y	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.12 GetRenderControlPreview</a>	Specified that the ErrorCode MUST be a value specified in [MS-PPSAS] only in the case of a failure other than a render exception. For a render exception, an HTML error message is the rendered HTML.	N	Content updated.
<a href="#">3.1.4.12 GetRenderControlPreview</a>	Clarified the ErrorCode for cases other than a render exception.	N	Content updated.
<a href="#">3.1.4.12.1.2 IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.12.2.1 GetRenderControlPreview</a>	Clarified the requirement for the "nav" element.	Y	Content updated.
<a href="#">3.1.4.12.2.1 GetRenderControlPreview</a>	Clarified the descriptions of viewType and nav.	N	Content updated.
<a href="#">3.1.4.13.1.2 IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.14.1.2 IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.15 GetScorecardDependencies</a>	Clarified the descriptions of CreateReturnedNull and NotAParameterizableControl.	N	Content updated.
<a href="#">3.1.4.15.1.2 IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.16.1.2 IBIMonitoringServiceApplication_GetSetting_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.17.1.2</a> <a href="#">IBIMonitoringServiceApplication_GetSettings_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.17.3.1</a> <a href="#">ArrayOfSetting</a>	Added namespace information.	N	Content updated.
<a href="#">3.1.4.18.1.2</a> <a href="#">IBIMonitoringServiceApplication_GetSettingValue_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.19.1.2</a> <a href="#">IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.20.1.2</a> <a href="#">IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.21.1.2</a> <a href="#">IBIMonitoringServiceApplication_RenderFilter_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.21.2.1</a> <a href="#">RenderFilter</a>	Clarified the schema of webPartContext.	N	Content updated.
<a href="#">3.1.4.21.2.2</a> <a href="#">RenderFilterResponse</a>	Clarified the schema of webPartContextUpdate.	N	Content updated.
<a href="#">3.1.4.22.1.2</a> <a href="#">IBIMonitoringServiceApplication_RenderReport_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.22.2.1</a> <a href="#">RenderReport</a>	Updated namespace information in the schema for element "webPartContext".	N	Content updated.
<a href="#">3.1.4.22.2.2</a> <a href="#">RenderReportResponse</a>	Clarified the schema for proxyCacheSubs and webPartContextUpdate.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.23.2.1 RenderScorecard</a>	Clarified the schema for webPartContext and the descriptions of proxyCacheAttempt and scorecardLocation.	N	Content updated.
<a href="#">3.1.4.23.2.2 RenderScorecardResponse</a>	Clarified the schema for proxyCacheSubs and webPartContextUpdate.	N	Content updated.
<a href="#">3.1.4.24.1.2 IBIMonitoringServiceApplication RenderScorecardAjaxControl OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.24.2.1 RenderScorecardAjaxControl</a>	Updated namespace information in the schema for element "webPartContext".	N	Content updated.
<a href="#">3.1.4.24.2.2 RenderScorecardAjaxControlResponse</a>	Clarified the namespace information in the schema for "webPartContextUpdate".	N	Content updated.
<a href="#">3.1.4.25 RenderTreeMemberSelector</a>	Updated the product behavior note.	N	Product behavior note updated.
<a href="#">3.1.4.25.1.2 IBIMonitoringServiceApplication RenderTreeMemberSelector OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.26.1.2 IBIMonitoringServiceApplication ReportSupportsExportFormat OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.27.1.2 IBIMonitoringServiceApplication SaveFilterValues OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.28 SaveTemporaryStrategyMapReport</a>	Clarified the description for "InvalidPermission".	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.28.1.2</a> <a href="#">IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.28.2.1</a> <a href="#">SaveTemporaryStrategyMapReport</a>	Clarified the description for reportView.	N	Content updated.
<a href="#">3.1.4.28.2.2</a> <a href="#">SaveTemporaryStrategyMapReportResponse</a>	Clarified the schema for SaveTemporaryStrategyMapReportResult.	N	Content updated.
<a href="#">3.1.4.29.1.2</a> <a href="#">IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.
<a href="#">3.1.4.30</a> <a href="#">SearchParameterDisplayData</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.30.1.1</a> <a href="#">IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.30.1.2</a> <a href="#">IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.30.2.1</a> <a href="#">SearchParameterDisplayData</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.30.2.2</a> <a href="#">SearchParameterDisplayDataResponse</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.31.1.2</a> <a href="#">IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage</a>	Removed the "SOAP action value" information.	N	Content removed.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.32</a> <a href="#">DecompAutoExpand</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.32.1.1</a> <a href="#">IBIMonitoringServiceApplication_DecomAutoExpand_InputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.32.1.2</a> <a href="#">IBIMonitoringServiceApplication_DecomAutoExpand_OutputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.32.2.1</a> <a href="#">DecompAutoExpand</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.32.2.2</a> <a href="#">DecompAutoExpandResponse</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.33</a> <a href="#">DecompExpand</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.33.1.1</a> <a href="#">IBIMonitoringServiceApplication_DecomExpand_InputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.33.1.2</a> <a href="#">IBIMonitoringServiceApplication_DecomExpand_OutputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.33.2.1</a> <a href="#">DecompExpand</a>	Added this section.	Y	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.33.2.2 DecompExpandResponse</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.34 ValidateSiteCollection</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.34.1.1 IBIMonitoringServiceApplication ValidateSiteCollection InputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.34.1.2 IBIMonitoringServiceApplication ValidateSiteCollection OutputMessage</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.34.2.1 ValidateSiteCollection</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.34.2.2 ValidateSiteCollectionResponse</a>	Added this section.	Y	New content added.
<a href="#">3.1.4.34.4.1 URLValidationResult</a>	Added this section.	Y	New content added.
<a href="#">Z Appendix B: Product Behavior</a>	Updated the list of applicable product versions.	N	Content updated.
<a href="#">Z Appendix B: Product Behavior</a>	Updated the list of applicable product versions.	N	Content updated.
	Removed section 2.2.9.3, "Common List of Error	N	Content



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	Codes".		removed.
	Removed section 2.2.9.2, "Full List of Possible Error Codes".	N	Content removed.
	Removed section 2.2.9.1, "SOAP Fault Detail Element".	N	Content removed.
	Removed section 2.2.9, "Faults".	N	Content removed.

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