[MS-SPSETWS]:
SharePoint Subscription Settings Web Service Protocol Specification

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Revision Summary

Date	Revision History	Revision Class	Comments
07/13/2009	0.1	Major	Initial Availability
08/28/2009	0.2	Editorial	Revised and edited the technical content
11/06/2009	0.3	Editorial	Revised and edited the technical content
02/19/2010	1.0	Minor	Updated the technical content
03/31/2010	1.01	Editorial	Revised and edited the technical content
04/30/2010	1.02	Editorial	Revised and edited the technical content
06/07/2010	1.03	Editorial	Revised and edited the technical content
06/29/2010	1.04	Editorial	Changed language and formatting in the technical content.
07/23/2010	1.05	Minor	Clarified the meaning of the technical content.
09/27/2010	1.05	No change	No changes to the meaning, language, or formatting of the technical content.
11/15/2010	1.05	No change	No changes to the meaning, language, or formatting of the technical content.
12/17/2010	1.05	No change	No changes to the meaning, language, or formatting of the technical content.
03/18/2011	1.05	No change	No changes to the meaning, language, or formatting of the technical content.
06/10/2011	1.05	No change	No changes to the meaning, language, or formatting of the technical content.
01/20/2012	2.0	Major	Significantly changed the technical content.
04/11/2012	2.0	No change	No changes to the meaning, language, or formatting of the technical content.

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SharePoint Subscription Settings Web Service Protocol Specification

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1 Introduction

This document specifies the SharePoint Subscription Settings Web Service Protocol. This protocol enables configuration data sharing within a set of site collections. This protocol is typically used for hosting scenarios.

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. 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)
property set

The following terms are defined in [MS-OFCGLOS]:

endpoint
Simple Object Access Protocol (SOAP)
site collection
site subscription
site subscription identifier
SOAP action
SOAP body
SOAP fault
Uniform Resource Identifier (URI)
version stamp
WSDL message
WSDL operation
XML namespace
XML namespace prefix
XML schema

The following terms are specific to this document:

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 Specifications documentation 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. 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.

[MS-SPSETSP] Microsoft Corporation, "SharePoint Subscription Settings Stored Procedures Protocol Specification".

[MS-SPSTWS] Microsoft Corporation, "SharePoint Security Token Service Web Service Protocol 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

[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

[WSA1.0 Metadata] Gudgin, M., Ed., Hadley, M., Ed., Rogers, T., Ed., Yalcinalp, U., Ed., "Web Services Addressing 1.0 - Metadata", W3C Recommendation, September 2007, http://www.w3.org/TR/2007/REC-ws-addr-metadata-20070904

[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., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, http://www.w3.org/TR/2003/REC-soap12-part2-20030624

1.3   Protocol Overview (Synopsis)

Site collections use shared configuration data in enterprise and hosting scenarios. This protocol enables delegation of certain configuration data for this group of site collections to additional administrators.

To facilitate these scenarios, this protocol can set, remove, and read **property sets** for a particular set of site collections.

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:
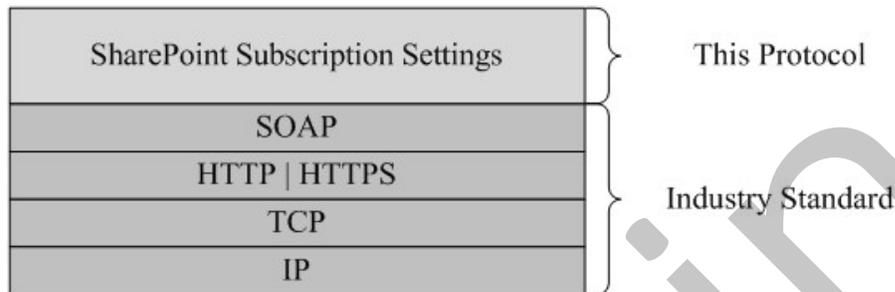
Figure 1: This protocol in relation to other protocols

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

None.

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

2.1 Transport

Protocol servers MUST support SOAP over HTTP or HTTPS.

All protocol messages MUST be transported by using HTTP 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 either 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].

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 protocol server, for example, the SOAP format over an HTTP transport.

2.2 Common Message Syntax

This section specifies messages that are used by several operations in this protocol. The syntax uses the XML Schema as specified in [XMLSCHEMA1] and [XMLSCHEMA2], and the Web Services Description Language as specified in [WSDL].

2.2.1 Namespaces

This specification defines and references various **XML namespaces** using the mechanisms specified in [XMLNS]. Although this specification associates a specific **XML namespace prefix** for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

Prefix	Namespace URI	Reference
q1	http://schemas.datacontract.org/2004/07/Microsoft.SharePoint	
q2	http://schemas.microsoft.com/2003/10/Serialization/	
q9	http://schemas.microsoft.com/2003/10/Serialization/Arrays	
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
tns	http://tempuri.org/	
tns1	http://tempuri.org/Imports	
wsam	http://www.w3.org/2007/05/addressing/metadata	[WSA1.0 Metadata]
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]

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2.2.2 Messages

This specification does not define any common WSDL message definitions.

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
SPSubscriptionMetadata	The **SPSubscriptionMetadata** Identifies metadata about a subscription such as its name.
SPSubscriptionSettingsActionFault	The **SPSubscriptionSettingsActionFault** element specifies a SOAP fault.
SPSubscriptionSettingsPropertySet	The **SPSubscriptionSettingsPropertySet** element contains the set of information that specifies a property set.
SPSubscriptionSettingsPropertySetInfo	The **SPSubscriptionSettingsPropertySetInfo** element specifies the subset of metadata for a property set.
SPSubscriptionSettingsPropertySetResult	The **SPSubscriptionSettingsPropertySetResult** element specifies a subset of metadata for a property set.

2.2.4.1 SPSubscriptionSettingsActionFault

Namespace: http://schemas.datacontract.org/2004/07/Microsoft.SharePoint

The **SPSubscriptionSettingsActionFault** element specifies a SOAP fault.

```
<xs:complexType name="SPSubscriptionSettingsActionFault"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_faultType"
type="q1:SPSubscriptionSettingsActionFaultType"/>
    <xs:element minOccurs="0" name="m_message" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

m_faultType: This element contains the type of the SOAP fault. It MUST conform to the XML schema of the **SPSubscriptionSettingsActionFaultType** specified in section 2.2.5.4.

m_message: This element is a string that specifies the SOAP fault.

2.2.4.2 SPSubscriptionSettingsPropertySet

Namespace: http://schemas.datacontract.org/2004/07/Microsoft.SharePoint

The **SPSubscriptionSettingsPropertySet** element contains the set of information that specifies a property set.

```
<xs:complexType name="SPSubscriptionSettingsPropertySet"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_PropertySetId" type="q2:guid"/>
    <xs:element minOccurs="0" name="m_TypeId" type="q2:guid"/>
    <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
    <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

m_PropertySetId: This element contains the **GUID** of the property set.

m_TypeId: This element contains the GUID of the type of the property set.

m_Version: This element contains the **version stamp** of the property set.

m_Xml: This element contains the list of property names and values contained in the property set. It MUST conform to the Subscription Settings Property Set XML schema as specified in [MS-SPSETSP] section 2.2.1.

2.2.4.3 SPSubscriptionSettingsPropertySetInfo

Namespace: http://schemas.datacontract.org/2004/07/Microsoft.SharePoint

The **SPSubscriptionSettingsPropertySetInfo** element specifies the subset of metadata for a property set.

```
<xs:complexType name="SPSubscriptionSettingsPropertySetInfo"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_PropertySetId" type="q2:guid"/>
    <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
  </xs:sequence>
</xs:complexType>
```

m_PropertySetId: This element contains the GUID of the property set.

m_Version: This element contains the version stamp of the property set.

2.2.4.4 SPSubscriptionSettingsPropertySetResult

Namespace: http://schemas.datacontract.org/2004/07/Microsoft.SharePoint

The **SPSubscriptionSettingsPropertySetResult** element specifies a subset of metadata for a property set.

```
<xs:complexType name="SPSubscriptionSettingsPropertySetResult"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="m_Exists" type="xs:boolean"/>
    <xs:element minOccurs="0" name="m_PropertySetId" type="q2:guid"/>
    <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
```

```
            <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
```

m_Exists: This element specifies whether the property set exists. If the value is **FALSE**, the remaining members in this structure MUST be ignored.

m_PropertySetId: This element contains the GUID of the property set.

m_Version: The version stamp of the property set.

m_Xml: This element contains the list of property names and values contained in the property set. It MUST conform to the Subscription Settings Property Set XML schema as specified in [MS-SPSETSP] section 2.2.1.

2.2.4.5 SPSubscriptionMetadata

Namespace: http://schemas.datacontract.org/2004/07/Microsoft.SharePoint

The **SPSubscriptionMetadata** Identifies metadata about a subscription such as its name.

```
    <xs:complexType name="SPSubscriptionMetadata" xmlns:xs="http://www.w3.org/2001/XMLSchema">
        <xs:sequence>
            <xs:element minOccurs="0" name="m_name" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="m_subscriptionId" type="q2:guid"/>
        </xs:sequence>
    </xs:complexType>
```

m_name: This element contains the **site subscription name** which is a series of characters uniquely identifying the implementation-specific **site subscription** for a **site collection**.

m_subscriptionId: This element contains the **site subscription identifier**.

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
char	A simple type used to represent a Unicode character.
duration	The **duration** simple type specifies the time interval or duration of time measured as positive or negative number of days, hours, minutes, seconds and fractions of a second.
guid	The **guid** element specifies the unique identifier.<1>
SPSubscriptionSettingsActionFaultType	The **SPSubscriptionSettingsActionFaultType** element specifies the error condition that triggered the SOAP fault.

2.2.5.1 char

Namespace: http://schemas.microsoft.com/2003/10/Serialization/

A simple type used to represent a Unicode character.

```
<xs:simpleType name="char" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:int"/>
</xs:simpleType>
```

2.2.5.2 duration

Namespace: http://schemas.microsoft.com/2003/10/Serialization/

The **duration** simple type specifies the time interval or duration of time measured as positive or negative number of days, hours, minutes, seconds and fractions of a second.

```
<xs:simpleType name="duration" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <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>
```

2.2.5.3 guid

Namespace: http://schemas.microsoft.com/2003/10/Serialization/

The **guid** element specifies the unique identifier.<2>

```
<xs:simpleType name="guid" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <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>
```

2.2.5.4 SPSubscriptionSettingsActionFaultType

Namespace: http://schemas.datacontract.org/2004/07/Microsoft.SharePoint

The **SPSubscriptionSettingsActionFaultType** element specifies the error condition that triggered the SOAP fault.

```
<xs:simpleType name="SPSubscriptionSettingsActionFaultType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ArgumentOutOfRangeException"/>
    <xs:enumeration value="ArgumentNullException"/>
    <xs:enumeration value="SPDatabaseException"/>
    <xs:enumeration value="SPDeletedConcurrencyException"/>
    <xs:enumeration value="SPUpdatedConcurrencyException"/>
    <xs:enumeration value="ArgumentException"/>
    <xs:enumeration value="SPException"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for **SPSubscriptionSettingsActionFaultType**.

Value	Meaning
ArgumentOutOfRangeException	An argument in the input WSDL message was not in the expected range of values.
ArgumentNullException	An argument in the input WSDL message was NULL.
SPDatabaseException	An unexpected database error occurred on the protocol server while processing the SOAP request.
SPDeletedConcurrencyException	The SOAP request attempted processing an object that was not found by the protocol server.
SPUpdatedConcurrencyException	The SOAP request attempted processing an object in the protocol server that was simultaneously updated by another request.
ArgumentException	An argument in the input WSDL message was invalid
SPException	An unexpected error occurred on the protocol server while processing the SOAP request.

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.

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.

3.1 Server Details

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 list of property sets and their mappings to site subscription identifiers. The protocol server adds, changes, and deletes property set objects and their mappings from this list in response to messages from the protocol client.

There are three types of property sets: properties, administrative properties, and feature set. The properties type stores collections of settings, the administrative properties type stores values specifically for the system administrator(s), and the feature set type stores a list of identifiers that filter end user functionality. Each site subscription identifier can be associated with one of each property set type. The property set type is contained in the **m_TypeId** element.

Every property set is associated with exactly one identifier, type identifier, and version stamp. A property set is uniquely identified by the combination of its property set GUID and type identifier.

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Message Processing Events and Sequencing Rules

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

Operation	Description
DeleteMapping	The **DeleteMapping** operation deletes the mapping of the site subscription identifier and the property set type identifier specified in the input message.
DeletePropertySet	The **DeletePropertySet** operation deletes the property set with the specified unique identifier and type identifier from the protocol server. It also deletes all associated mappings.
GetPropertySet	The **GetPropertySet** operation returns the property set specified by the property set identifier and the type

Operation	Description
	identifier in the input message.
GetPropertySetIds	The **GetPropertySetId** operation returns an array of unique identifiers of the property sets that contain the type identifier specified in the input message.
GetSubscriptionMetadata	The operation retrieves metadata associated with the subscription specified in the input message.
GetSubscriptionNextApplicationSiteDomainId	The operation retrieves the next application id associated with the subscription specified in the input message.
GetSubscriptionPropertySet	The **GetSubscriptionPropertySet** operation returns the property set with the specified type identifier and maps to the site subscription identifier specified in the input message.
SetMapping	The **SetMapping** operation creates or updates the mapping of the property set type identifier and the site subscription identifier elements to the property set identifier specified in the input message.
SetPropertySet	The **SetPropertySet** operation creates a new property set or updates an existing property set.
SetSubscriptionMetadata	The operation sets metadata associated with the subscription specified in the input message.
SetSubscriptionPropertySet	The operation creates a new property set and a new mapping between it and the site subscription identifier specified in the input message.

3.1.4.1 DeleteMapping

The **DeleteMapping** operation deletes the mapping of the site subscription identifier and the property set type identifier specified in the input message.

```
<wsdl:operation name="DeleteMapping" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingResponse
" message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingSPSubscr
iptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActi
onFaultFault_FaultMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage request WSDL
message and the protocol server MUST respond with an

ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage response WSDL message as follows:

1. If the specified site subscription identifier or type identifier are empty, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section 2.2.5.4.

2. If the mapping between the specified site subscription identifier and type identifier exists, the protocol server MUST delete the mapping.

3. If the mapping between the specified site subscription identifier and the type identifier does not exist, the state of the protocol server MUST NOT change.

4. If the mapping exists and was not deleted, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "SPDatabaseException".

3.1.4.1.1 Messages

The following table summarizes the set of **WSDL message** definitions that are specific to this operation.

Message	Description
ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage	The request WSDL message for the **DeleteMapping WSDL operation**.
ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage	The response WSDL message for the **DeleteMapping** WSDL operation.

3.1.4.1.1.1 ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage

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

The **SOAP action** value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping
```

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

3.1.4.1.1.2 ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage

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

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

3.1.4.1.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteMapping	The input data for the **DeleteMapping** WSDL operation.
DeleteMappingResponse	The result data for the **DeleteMapping** WSDL operation.

3.1.4.1.2.1 DeleteMapping

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

```
<xs:element name="DeleteMapping" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: This element contains the site subscription identifier.

typeId: This element contains the property set type identifier.

3.1.4.1.2.2 DeleteMappingResponse

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

```
<xs:element name="DeleteMappingResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

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 DeletePropertySet

The **DeletePropertySet** operation deletes the property set with the specified unique identifier and type identifier from the protocol server. It also deletes all associated mappings.

```
<wsdl:operation name="DeletePropertySet" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
  message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage"
  xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetResp
onse" message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage"
  xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
  message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettings
ActionFaultFault_FaultMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage request WSDL
message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage response
WSDL message as follows:

1. If the specified property set identifier or type identifier are empty, the protocol server MUST
   return a **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType set to the value "ArgumentOutOfRangeException" as
   specified in section 2.2.5.4.

2. If a property set with the specified unique identifier and type identifier exists, and the specified
   version stamp does not match the version stamp of the stored property set, the protocol server
   MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType set to the value "SPUpdatedConcurrencyException".

3. If a property set with the specified unique identifier and type identifier does not exist, the
   protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType set to the value "SPDeletedConcurrencyException".

4. If the property set exists with the specified unique identifier, type identifier and version stamp,
   the protocol server MUST delete the property set. The protocol server MUST also delete all
   mappings associated with the property set.

5. If the property set or the associated mappings cannot be deleted, the protocol server MUST
   return a **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType set to the value "SPDatabaseException". The state of
   the protocol server MUST NOT change in this case.

3.1.4.2.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this
operation.

Message	Description
ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage	The request WSDL message for the **DeletePropertySet** WSDL operation.
ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage	The response WSDL message for the **DeletePropertySet** WSDL operation.

3.1.4.2.1.1 ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet
```

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

3.1.4.2.1.2 ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage

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

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

3.1.4.2.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeletePropertySet	The input data for the **DeletePropertySet** WSDL operation.
DeletePropertySetResponse	The result data for the **DeletePropertySet** WSDL operation.

3.1.4.2.2.1 DeletePropertySet

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

```
<xs:element name="DeletePropertySet" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q2:guid"/>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
      <xs:element minOccurs="0" name="version" type="xs:long"/>
    </xs:sequence>
  </xs:complexType>
```

```
      </xs:element>
```

propertySetId: This element contains the unique identifier of the property set.

typeId: This element contains the type identifier of the property set.

version: This element contains the version stamp of the property set.

3.1.4.2.2.2   DeletePropertySetResponse

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

```
<xs:element name="DeletePropertySetResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

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   GetPropertySet

The **GetPropertySet** operation returns the property set specified by the property set identifier and the type identifier in the input message.

```
<wsdl:operation name="GetPropertySet" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetRespons
e" message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetSPSubsc
```

```
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage request WSDL
message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage response WSDL
message as follows:

1. If the property set identifier or the type identifier that are specified in the input message are
   empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault
   with the **SPSubscriptionSettingsActionFaultType** element set to the value
   "ArgumentOutOfRangeException" as specified in section 2.2.5.4.

2. If the property set with the specified unique identifier and type identifier specified in the input
   message exists, the protocol server MUST return a response element of type
   SPSubscriptionSettingsPropertySetResult as specified in section 2.2.4.4. It contains
   information about the property set, and the **m_Exists** element is set to **TRUE**.

3. If the property set with the unique identifier and type identifier specified in the input message
   does not exist, the protocol server MUST return a response element of type
   SPSubscriptionSettingsPropertySetResult with the **m_Exists** element set to **FALSE**.

3.1.4.3.1   Messages

The following table summarizes the set of WSDL message definitions that are specific to this
operation.

Message	Description
ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage	The request WSDL message for the **GetPropertySet** WSDL operation.
ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage	The response WSDL message for the **GetPropertySet** WSDL operation.

3.1.4.3.1.1   ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet
```

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

3.1.4.3.1.2 ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage

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

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

3.1.4.3.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetPropertySet	The input data for the **GetPropertySet** WSDL operation.
GetPropertySetResponse	The result data for the **GetPropertySet** WSDL operation.

3.1.4.3.2.1 GetPropertySet

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

```
<xs:element name="GetPropertySet" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q2:guid"/>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

propertySetId: This element contains the unique identifier of the property set.

typeId: This element contains the type identifier of the property set.

3.1.4.3.2.2 GetPropertySetResponse

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

```
<xs:element name="GetPropertySetResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="GetPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetPropertySetResult: This element contains information about the property set with the specified unique identifier and type identifier. This element MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetResult** element as specified in section 2.2.4.4.

3.1.4.3.3 Complex Types

None.

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 GetPropertySetIds

The **GetPropertySetId** operation returns an array of unique identifiers of the property sets that contain the type identifier specified in the input message.

```
<wsdl:operation name="GetPropertySetIds" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsResp
onse" message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_SPSubscriptionSettings
ActionFaultFault_FaultMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage request WSDL message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage response WSDL message as follows:

1. If the property set type identifier specified in the input message is empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section 2.2.5.4.

2. If an error occurs when retrieving property sets of the specified type identifier, the protocol server MUST return a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "SPDatabaseException" as specified in section 2.2.5.4.

3. If property sets of the specified type identifier exist, the protocol server MUST return an array of GUIDs of all such property sets as specified in section 3.1.4.4.3.1.

4. If a property set of the specified type identifier does not exist, the protocol server MUST return an empty array of GUIDs.

3.1.4.4.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage	The request WSDL message for the **GetPropertySetIds** WSDL operation.
ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage	The response WSDL message for the **GetPropertySetIds** WSDL operation.

3.1.4.4.1.1 ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds
```

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

3.1.4.4.1.2 ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage

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

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

3.1.4.4.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetPropertySetIds	The input data for the **GetPropertySetIds** WSDL operation.
GetPropertySetIdsResponse	The result data for the **GetPropertySetIds** WSDL operation.

3.1.4.4.2.1 GetPropertySetIds

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

```
<xs:element name="GetPropertySetIds" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

typeId: This element contains the type identifier of the property sets.

3.1.4.4.2.2 GetPropertySetIdsResponse

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

```
<xs:element name="GetPropertySetIdsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="GetPropertySetIdsResult" nillable="true" type="q9:ArrayOfguid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetPropertySetIdsResult: This element is an array of GUIDs of property sets with the type identifier specified in the input message. This element MUST conform to the XML schema of the **ArrayOfguid** element specified in section 3.1.4.4.3.1.

3.1.4.4.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfguid	An array of unique identifiers of property sets

3.1.4.4.3.1 ArrayOfguid

Namespace: http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **Arrayofguid** element is an array of unique identifiers of property sets.

```
<xs:complexType name="ArrayOfguid" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="q2:guid"/>
  </xs:sequence>
</xs:complexType>
```

guid: This element contains the unique identifier of a property set.

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 GetSubscriptionPropertySet

The **GetSubscriptionPropertySet** operation returns the property set with the specified type identifier and maps to the site subscription identifier specified in the input message.

```
<wsdl:operation name="GetSubscriptionPropertySet"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage
" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptio
nSettingsActionFaultFault_FaultMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage
request WSDL message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage
response WSDL message as follows:

1. If the property set type identifier or the site subscription identifier specified in input message are null, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section 2.2.5.4.

2. If a property set with the type identifier specified in the input message exists, and the property set has a mapping to the specified site subscription identifier, the protocol server sets the **m_Exists** element set to **TRUE** and MUST return a response message of type **SPSubscriptionSettingsPropertySetResult** as specified in section 2.2.4.4. The response message contains information about the property set.

3. If a mapping for the specified type identifier and site subscription identifier specified in the input message does not exist, or if the property set associated with the mapping for the site subscription identifier and type identifier does not exist, the protocol server MUST return a response element of type **SPSubscriptionSettingsPropertySetResult** with the **m_Exists** element set to **FALSE**.

3.1.4.5.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage	The request WSDL message for the **GetSubscriptionPropertySet** WSDL operation.
ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage	The response WSDL message for the **GetSubscriptionPropertySet** WSDL operation.

3.1.4.5.1.1 ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySet
```

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

3.1.4.5.1.2 ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage

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

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

3.1.4.5.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetSubscriptionPropertySet	The input data for the **GetSubscriptionPropertySet** WSDL operation.
GetSubscriptionPropertySetResponse	The result data for the **GetSubscriptionPropertySet** WSDL

Element	Description
	operation.

3.1.4.5.2.1 GetSubscriptionPropertySet

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

```
<xs:element name="GetSubscriptionPropertySet" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: The site subscription identifier.

typeId: The type identifier of the property set.

3.1.4.5.2.2 GetSubscriptionPropertySetResponse

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

```
<xs:element name="GetSubscriptionPropertySetResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="GetSubscriptionPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetSubscriptionPropertySetResult: This element contains information about the property set with the specified type identifier that has a mapping to the specified site subscription identifier. This element MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetResult** element specified in section 2.2.4.4.

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 SetMapping

The **SetMapping** operation creates or updates the mapping of the property set type identifier and the site subscription identifier elements to the property set identifier specified in the input message.

```
<wsdl:operation name="SetMapping" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingSPSubscript
ionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActionF
aultFault_FaultMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_SetMapping_InputMessage request WSDL message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage response WSDL message as follows:

1. If the property set identifier, the property set type identifier or the site subscription identifier in the input message are empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentOutOfRangeException" as specified in section 2.2.5.4.

2. If the property set identifier and property set type identifier are not empty, the property set identifier MUST be a property set identifier returned from a call to **GetPropertySetIds**.

3. If the mapping between the site subscription identifier and the specified property set type identifier does not exist, the protocol server MUST create a new mapping of the property set type identifier and the site subscription identifier elements to the specified property set identifier.

4. If the mapping between the site subscription identifier and the specified property set type identifier does exist, the protocol server MUST update the existing mapping to the specified property set identifier specified in the input message.

5. The protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDatabaseException" if the mapping was not created or updated.

3.1.4.6.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
ISubscriptionSettingsServiceApplication_SetMapping_InputMessage	The request WSDL message for the **SetMapping** WSDL operation.
ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage	The response WSDL message for the **SetMapping** WSDL operation.

3.1.4.6.1.1 ISubscriptionSettingsServiceApplication_SetMapping_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping
```

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

3.1.4.6.1.2 ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage

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

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

3.1.4.6.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetMapping	The input data for the **SetMapping** WSDL operation.
SetMappingResponse	The result data for the **SetMapping** WSDL operation.

3.1.4.6.2.1 SetMapping

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

```
<xs:element name="SetMapping" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
```

```
  </xs:element>
```

subscriptionId: This element contains the site subscription identifier.

typeId: This element contains the type identifier of the property set.

propertySetId: This element contains the property set identifier.

3.1.4.6.2.2   SetMappingResponse

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

```
<xs:element name="SetMappingResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

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   SetPropertySet

The **SetPropertySet** operation creates a new property set or updates an existing property set.

```
<wsdl:operation name="SetPropertySet" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetRespons
e" message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
```

```
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage request WSDL
message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage response WSDL
message, as follows:

1. If the property set in the input message is **NULL**, the protocol server MUST return an
   SPSubscriptionSettingsActionFault SOAP fault that contains a
   SPSubscriptionSettingsActionFaultType element set to the value "ArgumentNullException" as
   specified in section 2.2.5.4.

2. If the property set identifier in the input message is empty, the protocol server MUST create a
   new property set and assign a new GUID to the property set.

3. If a property set with the unique identifier specified in the input message does not exist, and the
   version stamp specified in the input message is not null, the protocol server MUST return an
   SPSubscriptionSettingsActionFault SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value
   "SPDeletedConcurrencyException" as specified in section 2.2.5.4.

4. If a property set with the identifier specified in the input message exists, and the version stamp
   in the input message does not match the version stamp of the property set, the protocol server
   MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value
   "SPUpdatedConcurrencyException" as specified in section 2.2.5.4.

5. If a property set with the unique identifier specified in the input message exists, and the version
   stamp in the input message matches the version stamp of the property set, the protocol server
   MUST update the properties of the property set to match the ones in the input message. In
   addition, the protocol server MUST also increment the version stamp of the stored property set
   by one.

6. If the protocol server did not create or update the property set, it MUST return an
   SPSubscriptionSettingsActionFault SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value "SPDatabaseException" as
   specified in section 2.2.5.4.

7. If the protocol server successfully created or updated the property set, it MUST return an
   SPSubscriptionSettingsPropertySetInfo element that contains the unique identifier and
   version stamp elements of the property set as specified in section 2.2.4.3.

3.1.4.7.1   Messages

The following table summarizes the set of WSDL message definitions that are specific to this
operation.

Message	Description
ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage	The request WSDL message for the **SetPropertySet** WSDL operation.

Message	Description
ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage	The response WSDL message for the **SetPropertySet** WSDL operation.

3.1.4.7.1.1 ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet
```

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

3.1.4.7.1.2 ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage

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

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

3.1.4.7.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetPropertySet	The input data for the **SetPropertySet** WSDL operation.
SetPropertySetResponse	The result data for the **SetPropertySet** WSDL operation.

3.1.4.7.2.1 SetPropertySet

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

```
<xs:element name="SetPropertySet" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="propertySet" nillable="true"
type="q1:SPSubscriptionSettingsPropertySet"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

propertySet: This element contains the property set to be created or updated. It MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySet** element as specified in section 2.2.4.2.

3.1.4.7.2.2 SetPropertySetResponse

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

```
<xs:element name="SetPropertySetResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="SetPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SetPropertySetResult: This element contains information about the property set that was created or updated. It MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetInfo** element as specified in section 2.2.4.3.

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 SetSubscriptionPropertySet

The operation creates a new property set and a new mapping between it and the site subscription identifier specified in the input message.

```
<wsdl:operation name="SetSubscriptionPropertySet"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage
" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
```

```
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptio
nSettingsActionFaultFault_FaultMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
IsubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage
request WSDL message and the protocol server MUST respond with an
IsubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage
response WSDL message as follows:

1. If the property set in the input message is **NULL**, the protocol server MUST return an
   SPSubscriptionSettingsActionFault SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value "ArgumentNullException" as
   specified in section 2.2.5.4.

2. If the site subscription identifier in the input message is empty, the protocol server MUST return
   an **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value
   "ArgumentOutOfRangeException".

3. The protocol server MUST generate a new GUID for the property set and store the property set in
   the list of property sets.

4. If the mapping does not exist between the property set type identifier and the site subscription
   identifier, the protocol server MUST create a new mapping, and then associate it with the input
   property set.

5. The protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value "SPDatabaseException" for
   each of the following cases. The state of the protocol server MUST NOT change for any of these
   cases.

   1. The property set was not created.

   2. A mapping between the property set type identifier and the site subscription identifier already
      exists.

   3. The mapping was not created.

6. If the protocol server creates the specified property set, and also creates the mapping between it
   and the site subscription identifier, then the protocol server MUST return an
   SPSubscriptionSettingsPropertySetInfo element that contains the property set identifier and
   version stamp elements as specified in section 2.2.4.3.

3.1.4.8.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this
operation.

Message	Description
ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMes	The request WSDL message

Message	Description
sage	for the **SetSubscriptionPropertyS et** WSDL operation.
ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage	The response WSDL message for the **SetSubscriptionPropertyS et** WSDL operation.

3.1.4.8.1.1 ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySet
```

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

3.1.4.8.1.2 ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage

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

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

3.1.4.8.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetSubscriptionPropertySet	The input data for the **SetSubscriptionPropertySet** WSDL operation.
SetSubscriptionPropertySetResponse	The result data for the **SetSubscriptionPropertySet** WSDL operation.

3.1.4.8.2.1 SetSubscriptionPropertySet

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

```
<xs:element name="SetSubscriptionPropertySet" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
```

```
         <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="propertySet" nillable="true"
type="q1:SPSubscriptionSettingsPropertySet"/>
     </xs:sequence>
   </xs:complexType>
</xs:element>
```

subscriptionId: This element contains the site subscription identifier.

propertySet: This element contains the property set to create. It MUST conform to the XML schema of **SPSubscriptionSettingsPropertySet** element as specified in section 2.2.4.2.

3.1.4.8.2.2   SetSubscriptionPropertySetResponse

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

```
<xs:element name="SetSubscriptionPropertySetResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="SetSubscriptionPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SetSubscriptionPropertySetResult: This element contains information about the property set that was created. It MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetInfo** element as specified in section 2.2.4.3.

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   GetSubscriptionMetadata

The operation retrieves metadata associated with the subscription specified in the input message.

```
<wsdl:operation name="GetSubscriptionMetadata" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
ta"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
taResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
taSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_SPSubscriptionSe
ttingsActionFaultFault_FaultMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage request
WSDL message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage
response WSDL message as follows:

1. If the site subscription identifier in the input message is empty, the protocol server MUST return
   an **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value
   "ArgumentOutOfRangeException".

2. If the site subscription identifier in the input message is invalid, the protocol server MUST return
   an **SPSubscriptionSettingsActionFault** SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value "SPDatabaseException".

3. The protocol server MUST return an **SPSubscriptionMetadata** element that contains the
   metadata associated with the given site subscription identifier.

3.1.4.9.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this
operation.

Message	Description
ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage	The request WSDL message for the **GetSubscriptionMetadata** WSDL operation.
ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage	The response WSDL message for the **GetSubscriptionMetadata** WSDL operation.

3.1.4.9.1.1 ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetadata
```

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

3.1.4.9.1.2 ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage

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

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

3.1.4.9.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetSubscriptionMetadata	The input data for the **GetSubscriptionMetadata** WSDL operation.
GetSubscriptionMetadataResponse	The result data for the **GetSubscriptionMetadata** WSDL operation.

3.1.4.9.2.1 GetSubscriptionMetadata

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

```
<xs:element name="GetSubscriptionMetadata" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: This element contains the site subscription identifier.

3.1.4.9.2.2 GetSubscriptionMetadataResponse

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

```
<xs:element name="GetSubscriptionMetadataResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
```

```
        <xs:sequence>
          <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="GetSubscriptionMetadataResult" nillable="true"
type="q1:SPSubscriptionMetadata"/>
        </xs:sequence>
      </xs:complexType>
  </xs:element>
```

GetSubscriptionMetadataResult: This element contains the metadata associated with the subscription..

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 GetSubscriptionNextApplicationSiteDomainId

The operation retrieves the next application id associated with the subscription specified in the input message.

```
<wsdl:operation name="GetSubscriptionNextApplicationSiteDomainId"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
plicationSiteDomainId"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomain
Id_InputMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
plicationSiteDomainIdResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomain
Id_OutputMessage" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
plicationSiteDomainIdSPSubscriptionSettingsActionFaultFault"
name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomain
Id_SPSubscriptionSettingsActionFaultFault_FaultMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_Input Message request WSDL message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_O utputMessage response WSDL message as follows:

1. If the site subscription identifier in the input message is empty, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentOutOfRangeException".

2. If the site subscription identifier in the input message is invalid, the protocol server MUST return an **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDatabaseException".

3. The protocol server MUST return an **GetSubscriptionNextApplicationSiteDomainIdResult** element that contains the next application id associated with the given site subscription identifier.

3.1.4.10.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_InputMessage	The request WSDL message for the **GetSubscriptionNextApplicationSiteDomainId** WSDL operation.
ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_OutputMessage	The response WSDL message for the **GetSubscriptionNextApplicationSiteDomainId** WSDL operation.

3.1.4.10.1.1
ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDo mainId_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextApplicationSite
DomainId
```

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

3.1.4.10.1.2
ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDo mainId_OutputMessage

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

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

3.1.4.10.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetSubscriptionNextApplicationSiteDomainId	The input data for the **GetSubscriptionNextApplicationSiteDomainId** WSDL operation.
GetSubscriptionNextApplicationSiteDomainIdResponse	The result data for the **GetSubscriptionNextApplicationSiteDomainId** WSDL operation.

3.1.4.10.2.1 GetSubscriptionNextApplicationSiteDomainId

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

```
<xs:element name="GetSubscriptionNextApplicationSiteDomainId"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

subscriptionId: This element contains the site subscription identifier.

3.1.4.10.2.2 GetSubscriptionNextApplicationSiteDomainIdResponse

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

```
<xs:element name="GetSubscriptionNextApplicationSiteDomainIdResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetSubscriptionNextApplicationSiteDomainIdResult"
nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetSubscriptionNextApplicationSiteDomainIdResult: The value for the id of the next application associated with the subscription.

3.1.4.10.3 Complex Types

None.

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 SetSubscriptionMetadata

The operation sets metadata associated with the subscription specified in the input message.

```
<wsdl:operation name="SetSubscriptionMetadata" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetada
ta"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetada
taResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetada
taSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_SPSubscriptionSe
ttingsActionFaultFault_FaultMessage"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
</wsdl:operation>
```

The protocol client sends an
ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage request
WSDL message and the protocol server MUST respond with an
ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage
response WSDL message as follows:

1. If the metadata in the input message is invalid, the protocol server MUST return an
   SPSubscriptionSettingsActionFault SOAP fault with the
   SPSubscriptionSettingsActionFaultType element set to the value "SPDatabaseException".

2. The protocol server MUST update the metadata associated with the subscription and return an
   empty result.

3.1.4.11.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this
operation.

Message	Description
ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage	The request WSDL message for the **SetSubscriptionMetadata** WSDL operation.
ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage	The response WSDL message for the **SetSubscriptionMetadata** WSDL operation.

3.1.4.11.1.1 ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage

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

The SOAP action value is:

```
http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetadata
```

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

3.1.4.11.1.2 ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage

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

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

3.1.4.11.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetSubscriptionMetadata	The input data for the **SetSubscriptionMetadata** WSDL operation.
SetSubscriptionMetadataResponse	The result data for the **SetSubscriptionMetadata** WSDL operation.

3.1.4.11.2.1 SetSubscriptionMetadata

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

```
<xs:element name="SetSubscriptionMetadata" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="metadata" nillable="true" type="q1:SPSubscriptionMetadata"/>
    </xs:sequence>
  </xs:complexType>
```

```
        </xs:element>
```

   metadata: This element contains the metadata to be associated with the site subscription.

3.1.4.11.2.2 SetSubscriptionMetadataResponse

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

```
<xs:element name="SetSubscriptionMetadataResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

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.

3.1.5 Timer Events

   None.

3.1.6 Other Local Events

   None.

4 Protocol Examples

The following examples show how to work with property sets for this protocol

4.1 Manage a Site Subscription Property Set

These examples describe the sequence of requests and responses between the protocol client and protocol server during operations that manage the property set of a **site subscription**.

4.1.1 Create a New Property Set

The following examples create a property set for each property set type: Properties, Admin Properties and Feature Set.

To create a new property set that is described by the type identifier that contains the value "d5c46399-6d04-4489-82cd-aa36b8accefb" for property sets of type "Properties", the protocol client constructs the following WSDL message.

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>d5c46399-6d04-4489-82cd-aa36b8accefb</m_TypeId>
        <m_Version>0</m_Version>
        <m_Xml>
          <entries>
            <entry name="SamplePropertySet1" type="int">123</entry>
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>
```

On successful creation of the new property set for properties type "Properties", the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>a0c31f4a-5f92-4e6a-b954-42c5e22415d4</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

To create a new property set that contains administrative properties, the type identifier that contains the value "83e6c4cb-8e96-4882-af00-421f586517f2" is used. The protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>83e6c4cb-8e96-4882-af00-421f586517f2</m_TypeId>
        <m_Version>0</m_Version>
        <m_Xml>
          <entries>
            <entry name="SampleAdminPropertySet1" type="int">456</entry>
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>
```

On successful creation of the new property set for administrative properties, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ba353017-18c4-4122-a613-f1bb3d55d34c</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

To create a new property set that contains feature set properties, and the type identifier "47ef919c-588d-4cfc-a552-762f746a5127", the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>47ef919c-588d-4cfc-a552-762f746a5127</m_TypeId>
        <m_Version>0</m_Version>
        <m_Xml>
          <entries>
            <entry name="FeatureIds" type="string" />
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>
```

On successful creation of the new property set of feature set properties, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

4.1.2 Update a Property Set

To update the property set retrieved with the GUID set to the value "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and is associated with feature set type identifier "47ef919c-588d-4cfc-a552-762f746a5127", the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_TypeId>47ef919c-588d-4cfc-a552-762f746a5127</m_TypeId>
        <m_Version>1</m_Version>
        <m_Xml>
          <entries>
            <entry name="FeatureIds" type="string">00bfea71-1c5e-4a24-b310-
ba51c3eb7a57;</entry>
          </entries>
        </m_Xml>
      </propertySet>
    </SetPropertySet>
  </s:Body>
</s:Envelope>
```

On successful update of the property set that is associated with the GUID "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and contains feature set properties, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySetResponse xmlns="http://tempuri.org/">
      <SetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>2</m_Version>
      </SetPropertySetResult>
    </SetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

4.1.3 Fetch a Property Set

To retrieve the property set that contains the GUID set to the value "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and whose type identifier contains the value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties, the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope" >
  <s:Body>
    <GetPropertySet xmlns="http://tempuri.org/">
      <propertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</propertySetId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
    </GetPropertySet>
  </s:Body>
</s:Envelope>
```

If the property set that contains the specified GUID and the type identifier exists, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetPropertySetResponse xmlns="http://tempuri.org/">
      <GetPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_Exists>true</m_Exists>
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>2</m_Version>
        <m_Xml>
          <entries>
            <entry name="FeatureIds" type="string">00bfea71-1c5e-4a24-b310-
ba51c3eb7a57;</entry>
          </entries>
        </m_Xml>
      </GetPropertySetResult>
    </GetPropertySetResponse>
  </s:Body>
</s:Envelope>
```

4.1.4 Fetch Property Set Identifiers with Property Set Type

To retrieve the array of **GUIDs** of the property sets that are associated with type identifier "d5c46399-6d04-4489-82cd-aa36b8accefb" for property sets of type "properties", the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetPropertySetIds xmlns="http://tempuri.org/">
      <typeId>d5c46399-6d04-4489-82cd-aa36b8accefb</typeId>
    </GetPropertySetIds>
  </s:Body>
</s:Envelope>
```

If one or more property set elements that contain the specified type identifier exist, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetPropertySetIdsResponse xmlns="http://tempuri.org/">
      <GetPropertySetIdsResult
 xmlns="http://schemas.microsoft.com/2003/10/Serialization/Arrays" >
        <guid>a0c31f4a-5f92-4e6a-b954-42c5e22415d4</guid>
      </GetPropertySetIdsResult>
    </GetPropertySetIdsResponse>
  </s:Body>
</s:Envelope>
```

4.1.5 Create a Mapping Between a Property Set and a Site Subscription

To create the mapping between the property set and the site subscription, the protocol client
constructs the WSDL message as shown in the following example. The property set contains a GUID
set to the value "ed7319ca-547b-4369-ad8f-dc5f5b3c1669" and type identifier is set to the value
"47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties. The site subscription is
associated with the GUID that is set to the value "4e5836a1-478d-4e8c-a965-e0a99ccf1e9c".

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetMapping xmlns="http://tempuri.org/">
      <subscriptionId>4e5836a1-478d-4e8c-a965-e0a99ccf1e9c</subscriptionId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
      <propertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</propertySetId>
    </SetMapping>
  </s:Body>
</s:Envelope>
```

On successful creation of the mapping between the property set and the site subscription, the
protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetMappingResponse xmlns="http://tempuri.org/"></SetMappingResponse>
  </s:Body>
</s:Envelope>
```

4.1.6 Create a New Property Set and Mapping to a Site Subscription

To create a new property set that contains a type identifier set to the value "d5c46399-6d04-4489-
82cd-aa36b8accefb" for properties of type "Properties", and also create a new mapping between it
and the site subscription that contains the GUID that is set to the value "0e6b9180-6e6f-44d3-
8573-4917ce77917e", the protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetSubscriptionPropertySet xmlns="http://tempuri.org/">
      <subscriptionId>0e6b9180-6e6f-44d3-8573-4917ce77917e</subscriptionId>
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>d5c46399-6d04-4489-82cd-aa36b8accefb</m_TypeId>
        <m_Version>0</m_Version>
```

```
      <m_Xml>
        <entries>
          <entry name="SamplePropertySet2" type="int">789</entry>
        </entries>
      </m_Xml>
    </propertySet>
  </SetSubscriptionPropertySet>
</s:Body>
</s:Envelope>
```

On successful creation of the property set of type "Properties" and a new mapping to the site subscription, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetSubscriptionPropertySetResponse xmlns="http://tempuri.org/">
      <SetSubscriptionPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_PropertySetId>2ec06784-b04d-4ab1-b7c7-ee667e072dad</m_PropertySetId>
        <m_Version>1</m_Version>
      </SetSubscriptionPropertySetResult>
    </SetSubscriptionPropertySetResponse>
  </s:Body>
</s:Envelope>
```

4.1.7 Fetch a Site Subscription Property Set

To retrieve the property set that contains the type identifier that is set to the value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties, and has a mapping to a site subscription that contains a GUID set to the value "4e5836a1-478d-4e8c-a965-e0a99ccf1e9c", the protocol client constructs the following WSDL message:

```
 <s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetSubscriptionPropertySet xmlns="http://tempuri.org/">
      <subscriptionId>4e5836a1-478d-4e8c-a965-e0a99ccf1e9c</subscriptionId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
    </GetSubscriptionPropertySet>
  </s:Body>
</s:Envelope>
```

If the property set that contains the specified type identifier exists and its mapping to the site subscription that contains the specified GUID exists, the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <GetSubscriptionPropertySetResponse xmlns="http://tempuri.org/">
      <GetSubscriptionPropertySetResult
xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_Exists>true</m_Exists>
        <m_PropertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</m_PropertySetId>
        <m_Version>2</m_Version>
        <m_Xml>
```

```
            <entries>
              <entry name="FeatureIds" type="string">00bfea71-1c5e-4a24-b310-
  ba51c3eb7a57;</entry>
            </entries>
          </m_Xml>
        </GetSubscriptionPropertySetResult>
      </GetSubscriptionPropertySetResponse>
    </s:Body>
</s:Envelope>
```

4.1.8   Delete a Mapping Between a Property Set and a Site Subscription

To delete the mapping between the property set that contains a type identifier that is set to the
value "47ef919c-588d-4cfc-a552-762f746a5127" for feature set properties, and the site subscription
that contains GUID that is set to the value "4e5836a1-478d-4e8c-a965-e0a99ccf1e9c", the protocol
client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeleteMapping xmlns="http://tempuri.org/">
      <subscriptionId>4e5836a1-478d-4e8c-a965-e0a99ccf1e9c</subscriptionId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
    </DeleteMapping>
  </s:Body>
</s:Envelope>
```

If at least one property set that contains the specified type identifier exists, and the type identifier
mapping to the site subscription that contains the specified GUID also exists, on successful delete
the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeleteMappingResponse xmlns="http://tempuri.org/"></DeleteMappingResponse>
  </s:Body>
</s:Envelope>
```

4.1.9   Delete a Property Set

To delete the property set that contains the GUID that is set to the value "ed7319ca-547b-4369-
ad8f-dc5f5b3c1669" and also contains the type identifier that is set to the value "47ef919c-588d-
4cfc-a552-762f746a5127" for feature set properties, and then delete all associated mappings, the
protocol client constructs the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeletePropertySet xmlns="http://tempuri.org/">
      <propertySetId>ed7319ca-547b-4369-ad8f-dc5f5b3c1669</propertySetId>
      <typeId>47ef919c-588d-4cfc-a552-762f746a5127</typeId>
      <version>2</version>
    </DeletePropertySet>
  </s:Body>
</s:Envelope>
```

If the property set exists that contains the specified GUID, type identifier, and version stamp, on successful delete the protocol server returns the following WSDL message:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <DeletePropertySetResponse xmlns="http://tempuri.org/"></DeletePropertySetResponse>
  </s:Body>
</s:Envelope>
```

5 Security

5.1 Security Considerations for Implementers

There are no additional security considerations. Security assumptions for this protocol are documented in section 1.5.

5.2 Index of Security Parameters

None.

6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided in this appendix.

```xml
<?xml version="1.0"?>
<wsdl:definitions xmlns:tns="http://tempuri.org/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
name="SPSubscriptionSettingsServiceApplication" targetNamespace="http://tempuri.org/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema xmlns:tns1="http://tempuri.org/Imports"
targetNamespace="http://tempuri.org/Imports">
      <xs:import namespace="http://tempuri.org/"/>
      <xs:import namespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"/>
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/"/>
      <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
    </xs:schema>
  </wsdl:types>
  <wsdl:message name="ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySet"/>
  </wsdl:message>
  <wsdl:message name="ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySetResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsActionFaul
tFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
  <wsdl:message name="ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:SetPropertySet"/>
  </wsdl:message>
  <wsdl:message name="ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:SetPropertySetResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsActionFaul
tFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:DeletePropertySet"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:DeletePropertySetResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettingsActionF
aultFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage">
```

```
      <wsdl:part name="parameters" element="tns:GetPropertySetIds"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage">
      <wsdl:part name="parameters" element="tns:GetPropertySetIdsResponse"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySetIds_SPSubscriptionSettingsActionF
aultFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
   </wsdl:message>
   <wsdl:message name="ISubscriptionSettingsServiceApplication_SetMapping_InputMessage">
      <wsdl:part name="parameters" element="tns:SetMapping"/>
   </wsdl:message>
   <wsdl:message name="ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage">
      <wsdl:part name="parameters" element="tns:SetMappingResponse"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActionFaultFau
lt_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
   </wsdl:message>
   <wsdl:message name="ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage">
      <wsdl:part name="parameters" element="tns:DeleteMapping"/>
   </wsdl:message>
   <wsdl:message name="ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage">
      <wsdl:part name="parameters" element="tns:DeleteMappingResponse"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActionFault
Fault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage">
      <wsdl:part name="parameters" element="tns:GetSubscriptionPropertySet"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage">
      <wsdl:part name="parameters" element="tns:GetSubscriptionPropertySetResponse"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptionSettin
gsActionFaultFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage">
      <wsdl:part name="parameters" element="tns:SetSubscriptionPropertySet"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage">
      <wsdl:part name="parameters" element="tns:SetSubscriptionPropertySetResponse"/>
   </wsdl:message>
   <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptionSettin
gsActionFaultFault_FaultMessage">
```

```
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage">
    <wsdl:part name="parameters" element="tns:GetSubscriptionMetadata"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetSubscriptionMetadataResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_SPSubscriptionSettingsA
ctionFaultFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage">
    <wsdl:part name="parameters" element="tns:SetSubscriptionMetadata"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage">
    <wsdl:part name="parameters" element="tns:SetSubscriptionMetadataResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_SPSubscriptionSettingsA
ctionFaultFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_Inpu
tMessage">
    <wsdl:part name="parameters" element="tns:GetSubscriptionNextApplicationSiteDomainId"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_Outp
utMessage">
    <wsdl:part name="parameters"
element="tns:GetSubscriptionNextApplicationSiteDomainIdResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_SPSu
bscriptionSettingsActionFaultFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
  <wsdl:portType name="ISubscriptionSettingsServiceApplication">
    <wsdl:operation name="GetPropertySet">
      <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage"/>
      <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetRespons
e" message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage"/>
      <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage"/>
```

```
        </wsdl:operation>
        <wsdl:operation name="SetPropertySet">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage"/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetRespons
e" message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="DeletePropertySet">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage"/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetResp
onse" message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettings
ActionFaultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="GetPropertySetIds">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage"/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsResp
onse" message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdsSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_SPSubscriptionSettings
ActionFaultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="SetMapping">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_InputMessage"/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingSPSubscript
ionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActionF
aultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="DeleteMapping">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage"/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingResponse
" message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingSPSubscr
iptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
```

```
                   message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActi
onFaultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="GetSubscriptionPropertySet">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage"
/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage
"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptio
nSettingsActionFaultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="SetSubscriptionPropertySet">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage"
/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage
"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptio
nSettingsActionFaultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="GetSubscriptionMetadata">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
ta"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage"/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
taResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
taSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_SPSubscriptionSe
ttingsActionFaultFault_FaultMessage"/>
        </wsdl:operation>
        <wsdl:operation name="SetSubscriptionMetadata">
          <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetada
ta"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage"/>
          <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetada
taResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage"/>
          <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetada
taSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
```

```
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_SPSubscriptionSe
ttingsActionFaultFault_FaultMessage"/>
      </wsdl:operation>
      <wsdl:operation name="GetSubscriptionNextApplicationSiteDomainId">
        <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
plicationSiteDomainId"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomain
Id_InputMessage"/>
        <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
plicationSiteDomainIdResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomain
Id_OutputMessage"/>
        <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
plicationSiteDomainIdSPSubscriptionSettingsActionFaultFault"
name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomain
Id_SPSubscriptionSettingsActionFaultFault_FaultMessage"/>
      </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="CustomBinding_ISubscriptionSettingsServiceApplication"
type="tns:ISubscriptionSettingsServiceApplication">
      <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
      <wsdl:operation name="GetPropertySet">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
style="document"/>
        <wsdl:input>
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
          <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="SetPropertySet">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
style="document"/>
        <wsdl:input>
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
          <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="DeletePropertySet">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
style="document"/>
        <wsdl:input>
          <soap:body use="literal"/>
        </wsdl:input>
```

```
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPropertySetIds">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIds"
style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetMapping">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteMapping">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionPropertySet">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropert
ySet" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
```

```
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionPropertySet">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropert
ySet" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionMetadata">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetadat
a" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionMetadata">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetadat
a" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionNextApplicationSiteDomainId">
      <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextApp
licationSiteDomainId" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
```

```
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
        <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
 namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
  </wsdl:binding>
</wsdl:definitions>
```

7 Appendix B: Full XML Schema

For ease of implementation, the following sections provide the full XML schema for this protocol.

Schema name	Prefix	Section
http://tempuri.org/	tns	7.1
http://schemas.microsoft.com/2003/10/Serialization/	q2	7.2
http://schemas.datacontract.org/2004/07/Microsoft.SharePoint	q1	7.3
http://schemas.microsoft.com/2003/10/Serialization/Arrays	q9	7.4

7.1 http://tempuri.org/ Schema

```
<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified" targetNamespace="http://tempuri.org/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/"/>
  <xs:import namespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"/>
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <xs:element name="GetPropertySet">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q2:guid"/>
        <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetPropertySetResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="GetPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetResult"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetPropertySet">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="propertySet" nillable="true"
type="q1:SPSubscriptionSettingsPropertySet"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetPropertySetResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="SetPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetInfo"/>
      </xs:sequence>
    </xs:complexType>
```

```
      </xs:element>
    <xs:element name="DeletePropertySet">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q2:guid"/>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
          <xs:element minOccurs="0" name="version" type="xs:long"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="DeletePropertySetResponse">
      <xs:complexType>
        <xs:sequence/>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetPropertySetIds">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetPropertySetIdsResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="GetPropertySetIdsResult" nillable="true" type="q9:ArrayOfguid"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SetMapping">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="q2:guid"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SetMappingResponse">
      <xs:complexType>
        <xs:sequence/>
      </xs:complexType>
    </xs:element>
    <xs:element name="DeleteMapping">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
          <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
```

```
<xs:element name="DeleteMappingResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="GetSubscriptionPropertySet">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSubscriptionPropertySetResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="GetSubscriptionPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SetSubscriptionPropertySet">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="propertySet" nillable="true"
type="q1:SPSubscriptionSettingsPropertySet"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SetSubscriptionPropertySetResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="SetSubscriptionPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSubscriptionMetadata">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="q2:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSubscriptionMetadataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="GetSubscriptionMetadataResult" nillable="true"
type="q1:SPSubscriptionMetadata"/>
    </xs:sequence>
  </xs:complexType>
```

```
        </xs:element>
        <xs:element name="SetSubscriptionMetadata">
          <xs:complexType>
            <xs:sequence>
              <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
  minOccurs="0" name="metadata" nillable="true" type="q1:SPSubscriptionMetadata"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="SetSubscriptionMetadataResponse">
          <xs:complexType>
            <xs:sequence/>
          </xs:complexType>
        </xs:element>
        <xs:element name="GetSubscriptionNextApplicationSiteDomainId">
          <xs:complexType>
            <xs:sequence>
              <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
  minOccurs="0" name="subscriptionId" type="q2:guid"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="GetSubscriptionNextApplicationSiteDomainIdResponse">
          <xs:complexType>
            <xs:sequence>
              <xs:element minOccurs="0" name="GetSubscriptionNextApplicationSiteDomainIdResult"
  nillable="true" type="xs:string"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:schema>
```

7.2   http://schemas.microsoft.com/2003/10/Serialization/ Schema

```
<?xml version="1.0"?>
<xs:schema xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"
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="q2:char"/>
```

```xml
      <xs:simpleType name="char">
        <xs:restriction base="xs:int"/>
      </xs:simpleType>
      <xs:element name="duration" nillable="true" type="q2: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="q2: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>
```

7.3 http://schemas.datacontract.org/2004/07/Microsoft.SharePoint Schema

```xml
<?xml version="1.0"?>
<xs:schema xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/"/>
  <xs:complexType name="SPSubscriptionSettingsPropertySetResult">
    <xs:sequence>
      <xs:element minOccurs="0" name="m_Exists" type="xs:boolean"/>
      <xs:element minOccurs="0" name="m_PropertySetId" type="q2:guid"/>
      <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
      <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="SPSubscriptionSettingsPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetResult"/>
  <xs:complexType name="SPSubscriptionSettingsActionFault">
    <xs:sequence>
      <xs:element minOccurs="0" name="m_faultType"
type="q1:SPSubscriptionSettingsActionFaultType"/>
      <xs:element minOccurs="0" name="m_message" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="SPSubscriptionSettingsActionFault" nillable="true"
type="q1:SPSubscriptionSettingsActionFault"/>
  <xs:simpleType name="SPSubscriptionSettingsActionFaultType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="ArgumentOutOfRangeException"/>
      <xs:enumeration value="ArgumentNullException"/>
      <xs:enumeration value="SPDatabaseException"/>
      <xs:enumeration value="SPDeletedConcurrencyException"/>
      <xs:enumeration value="SPUpdatedConcurrencyException"/>
```

```
            <xs:enumeration value="ArgumentException"/>
            <xs:enumeration value="SPException"/>
        </xs:restriction>
    </xs:simpleType>
    <xs:element name="SPSubscriptionSettingsActionFaultType" nillable="true"
    type="q1:SPSubscriptionSettingsActionFaultType"/>
    <xs:complexType name="SPSubscriptionSettingsPropertySet">
        <xs:sequence>
            <xs:element minOccurs="0" name="m_PropertySetId" type="q2:guid"/>
            <xs:element minOccurs="0" name="m_TypeId" type="q2:guid"/>
            <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
            <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="SPSubscriptionSettingsPropertySet" nillable="true"
    type="q1:SPSubscriptionSettingsPropertySet"/>
    <xs:complexType name="SPSubscriptionSettingsPropertySetInfo">
        <xs:sequence>
            <xs:element minOccurs="0" name="m_PropertySetId" type="q2:guid"/>
            <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="SPSubscriptionSettingsPropertySetInfo" nillable="true"
    type="q1:SPSubscriptionSettingsPropertySetInfo"/>
    <xs:complexType name="SPSubscriptionMetadata">
        <xs:sequence>
            <xs:element minOccurs="0" name="m_name" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="m_subscriptionId" type="q2:guid"/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="SPSubscriptionMetadata" nillable="true"
type="q1:SPSubscriptionMetadata"/>
</xs:schema>
```

7.4   http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema

```
<?xml version="1.0"?>
<xs:schema xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/"/>
    <xs:complexType name="ArrayOfguid">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="q2:guid"/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfguid" nillable="true" type="q9:ArrayOfguid"/>
</xs:schema>
```

8   Appendix C: 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® Foundation 2010

- Microsoft® SharePoint® Foundation 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 2.2.5: This type is available only in SharePoint Foundation 15 Technical Preview.

<2> Section 2.2.5.3: This type is available only in SharePoint Foundation 15 Technical Preview.

9 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

10 Index

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