

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

Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.
- **Copyrights.** This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft [Open Specification Promise](#) or the [Community Promise](#). If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting iplg@microsoft.com.
- **Trademarks.** The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights.
- **Fictitious Names.** The example companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

Reservation of Rights. All other rights are reserved, and this notice does not grant any rights other than specifically described above, whether by implication, estoppel, or otherwise.

Tools. The Open Specifications do not require the use of Microsoft programming tools or programming environments in order for you to develop an implementation. If you have access to Microsoft programming tools and environments you are free to take advantage of them. Certain Open Specifications are intended for use in conjunction with publicly available standard specifications and network programming art, and assumes that the reader either is familiar with the aforementioned material or has immediate access to it.

Preliminary Documentation. This Open Specification provides documentation for past and current releases and/or for the pre-release (beta) version of this technology. This Open Specification is final documentation for past or current releases as specifically noted in the document, as applicable; it is preliminary documentation for the pre-release (beta) versions. Microsoft will release final documentation in connection with the commercial release of the updated or new version of this technology. As the documentation may change between this preliminary version and the final version of this technology, there are risks in relying on preliminary documentation. To the extent that you incur additional development obligations or any other costs as a result of relying on this preliminary documentation, you do so at your own risk.

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.
07/16/2012	2.0	No change	No changes to the meaning, language, or formatting of the technical content.

Date	Revision History	Revision Class	Comments
09/12/2012	2.0	No change	No changes to the meaning, language, or formatting of the technical content.

Preliminary

Table of Contents

1 Introduction	9
1.1 Glossary	9
1.2 References	9
1.2.1 Normative References	10
1.2.2 Informative References	10
1.3 Protocol Overview (Synopsis)	11
1.4 Relationship to Other Protocols	11
1.5 Prerequisites/Preconditions	11
1.6 Applicability Statement	11
1.7 Versioning and Capability Negotiation	11
1.8 Vendor-Extensible Fields	12
1.9 Standards Assignments	12
2 Messages	13
2.1 Transport	13
2.2 Common Message Syntax	13
2.2.1 Namespaces	13
2.2.2 Messages	14
2.2.3 Elements	14
2.2.4 Complex Types	14
2.2.4.1 SPSubscriptionSettingsActionFault	14
2.2.4.2 SPSubscriptionSettingsPropertySet	14
2.2.4.3 SPSubscriptionSettingsPropertySetInfo	15
2.2.4.4 SPSubscriptionSettingsPropertySetResult	15
2.2.4.5 SPSubscriptionMetadata	16
2.2.4.6 Subscription Settings Property Set XML	16
2.2.4.6.1 nullEntry	17
2.2.4.6.2 stringEntry	17
2.2.4.6.3 intEntry	17
2.2.4.6.4 longEntry	18
2.2.4.6.5 booleanEntry	18
2.2.4.6.6 guidEntry	18
2.2.4.6.7 datetimeEntry	19
2.2.4.6.7.1 DateTime Bit Field	19
2.2.5 Simple Types	19
2.2.5.1 char	20
2.2.5.2 duration	20
2.2.5.3 guid	20
2.2.5.4 SPSubscriptionSettingsActionFaultType	20
2.2.6 Attributes	21
2.2.7 Groups	21
2.2.8 Attribute Groups	21
3 Protocol Details	22
3.1 Server Details	22
3.1.1 Abstract Data Model	22
3.1.2 Timers	22
3.1.3 Initialization	22
3.1.4 Message Processing Events and Sequencing Rules	22
3.1.4.1 DeleteMapping	23

3.1.4.1.1	Messages	24
3.1.4.1.1.1	ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage	24
3.1.4.1.1.2	ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage	24
3.1.4.1.2	Elements.....	24
3.1.4.1.2.1	DeleteMapping	25
3.1.4.1.2.2	DeleteMappingResponse	25
3.1.4.1.3	Complex Types	25
3.1.4.1.4	Simple Types.....	25
3.1.4.1.5	Attributes.....	25
3.1.4.1.6	Groups.....	25
3.1.4.1.7	Attribute Groups	25
3.1.4.2	DeletePropertySet	26
3.1.4.2.1	Messages	26
3.1.4.2.1.1	ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage	27
3.1.4.2.1.2	ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage	27
3.1.4.2.2	Elements.....	27
3.1.4.2.2.1	DeletePropertySet	27
3.1.4.2.2.2	DeletePropertySetResponse	28
3.1.4.2.3	Complex Types	28
3.1.4.2.4	Simple Types.....	28
3.1.4.2.5	Attributes.....	28
3.1.4.2.6	Groups.....	28
3.1.4.2.7	Attribute Groups	28
3.1.4.3	GetPropertySet.....	28
3.1.4.3.1	Messages	29
3.1.4.3.1.1	ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage	29
3.1.4.3.1.2	ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage	30
3.1.4.3.2	Elements.....	30
3.1.4.3.2.1	GetPropertySet	30
3.1.4.3.2.2	GetPropertySetResponse	30
3.1.4.3.3	Complex Types	31
3.1.4.3.4	Simple Types.....	31
3.1.4.3.5	Attributes.....	31
3.1.4.3.6	Groups.....	31
3.1.4.3.7	Attribute Groups	31
3.1.4.4	GetPropertySetIds	31
3.1.4.4.1	Messages	32
3.1.4.4.1.1	ISubscriptionSettingsServiceApplication_GetPropertySetIds_InputMessage	32

3.1.4.4.1.2	ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputM essage	32
3.1.4.4.2	Elements	32
3.1.4.4.2.1	GetPropertySetIds	32
3.1.4.4.2.2	GetPropertySetIdsResponse	33
3.1.4.4.3	Complex Types	33
3.1.4.4.3.1	ArrayOfguid	33
3.1.4.4.4	Simple Types	34
3.1.4.4.5	Attributes	34
3.1.4.4.6	Groups	34
3.1.4.4.7	Attribute Groups	34
3.1.4.5	GetSubscriptionPropertySet	34
3.1.4.5.1	Messages	35
3.1.4.5.1.1	ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet _InputMessage	35
3.1.4.5.1.2	ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet _OutputMessage	35
3.1.4.5.2	Elements	35
3.1.4.5.2.1	GetSubscriptionPropertySet	36
3.1.4.5.2.2	GetSubscriptionPropertySetResponse	36
3.1.4.5.3	Complex Types	36
3.1.4.5.4	Simple Types	36
3.1.4.5.5	Attributes	36
3.1.4.5.6	Groups	37
3.1.4.5.7	Attribute Groups	37
3.1.4.6	SetMapping	37
3.1.4.6.1	Messages	38
3.1.4.6.1.1	ISubscriptionSettingsServiceApplication_SetMapping_InputMessage	38
3.1.4.6.1.2	ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage ..	38
3.1.4.6.2	Elements	38
3.1.4.6.2.1	SetMapping	38
3.1.4.6.2.2	SetMappingResponse	39
3.1.4.6.3	Complex Types	39
3.1.4.6.4	Simple Types	39
3.1.4.6.5	Attributes	39
3.1.4.6.6	Groups	39
3.1.4.6.7	Attribute Groups	39
3.1.4.7	SetPropertySet	39
3.1.4.7.1	Messages	40
3.1.4.7.1.1	ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessa ge	41
3.1.4.7.1.2	ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMess age	41
3.1.4.7.2	Elements	41
3.1.4.7.2.1	SetPropertySet	41
3.1.4.7.2.2	SetPropertySetResponse	42
3.1.4.7.3	Complex Types	42
3.1.4.7.4	Simple Types	42

3.1.4.7.5	Attributes.....	42
3.1.4.7.6	Groups.....	42
3.1.4.7.7	Attribute Groups	42
3.1.4.8	SetSubscriptionPropertySet.....	42
3.1.4.8.1	Messages	43
3.1.4.8.1.1	ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet _InputMessage.....	44
3.1.4.8.1.2	ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet _OutputMessage.....	44
3.1.4.8.2	Elements.....	44
3.1.4.8.2.1	SetSubscriptionPropertySet	44
3.1.4.8.2.2	SetSubscriptionPropertySetResponse	45
3.1.4.8.3	Complex Types	45
3.1.4.8.4	Simple Types.....	45
3.1.4.8.5	Attributes.....	45
3.1.4.8.6	Groups.....	45
3.1.4.8.7	Attribute Groups	45
3.1.4.9	GetSubscriptionMetadata	45
3.1.4.9.1	Messages	46
3.1.4.9.1.1	ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_I nputMessage.....	47
3.1.4.9.1.2	ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_O utputMessage	47
3.1.4.9.2	Elements.....	47
3.1.4.9.2.1	GetSubscriptionMetadata.....	47
3.1.4.9.2.2	GetSubscriptionMetadataResponse	47
3.1.4.9.3	Complex Types	48
3.1.4.9.4	Simple Types.....	48
3.1.4.9.5	Attributes.....	48
3.1.4.9.6	Groups.....	48
3.1.4.9.7	Attribute Groups	48
3.1.4.10	GetSubscriptionNextApplicationSiteDomainId	48
3.1.4.10.1	Messages	49
3.1.4.10.1.1	ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplica tionSiteDomainId_InputMessage	49
3.1.4.10.1.2	ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplica tionSiteDomainId_OutputMessage	49
3.1.4.10.2	Elements.....	50
3.1.4.10.2.1	GetSubscriptionNextApplicationSiteDomainId	50
3.1.4.10.2.2	GetSubscriptionNextApplicationSiteDomainIdResponse	50
3.1.4.10.3	Complex Types	50
3.1.4.10.4	Simple Types.....	51
3.1.4.10.5	Attributes	51
3.1.4.10.6	Groups.....	51
3.1.4.10.7	Attribute Groups.....	51
3.1.4.11	SetSubscriptionMetadata	51
3.1.4.11.1	Messages	51

3.1.4.11.1.1	ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage	52
3.1.4.11.1.2	ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage	52
3.1.4.11.2	Elements	52
3.1.4.11.2.1	SetSubscriptionMetadata	52
3.1.4.11.2.2	SetSubscriptionMetadataResponse	53
3.1.4.11.3	Complex Types	53
3.1.4.11.4	Simple Types	53
3.1.4.11.5	Attributes	53
3.1.4.11.6	Groups	53
3.1.4.11.7	Attribute Groups	53
3.1.5	Timer Events	53
3.1.6	Other Local Events	53
4	Protocol Examples	54
4.1	Manage a Site Subscription Property Set	54
4.1.1	Create a New Property Set	54
4.1.2	Update a Property Set	56
4.1.3	Fetch a Property Set	57
4.1.4	Fetch Property Set Identifiers with Property Set Type	57
4.1.5	Create a Mapping Between a Property Set and a Site Subscription	58
4.1.6	Create a New Property Set and Mapping to a Site Subscription	58
4.1.7	Fetch a Site Subscription Property Set	59
4.1.8	Delete a Mapping Between a Property Set and a Site Subscription	60
4.1.9	Delete a Property Set	60
5	Security	62
5.1	Security Considerations for Implementers	62
5.2	Index of Security Parameters	62
6	Appendix A: Full WSDL	63
7	Appendix B: Full XML Schema	72
7.1	http://tempuri.org/ Schema	72
7.2	http://schemas.microsoft.com/2003/10/Serialization/ Schema	75
7.3	http://schemas.datacontract.org/2004/07/Microsoft.SharePoint Schema	76
7.4	http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema	77
8	Appendix C: Product Behavior	78
9	Change Tracking	79
10	Index	80

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
root element
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 fragment
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 technical 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-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.F., "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:

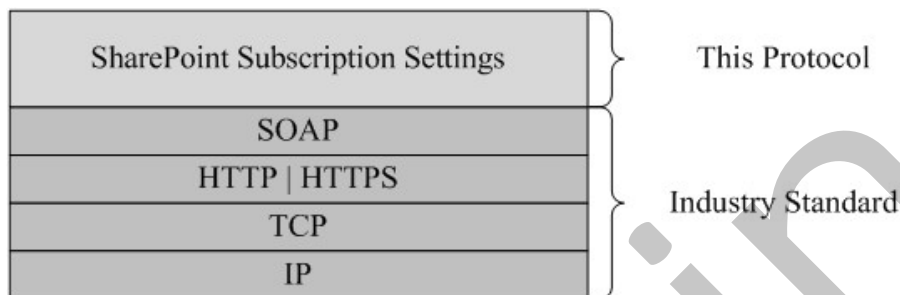


Figure 1: This protocol in relation to other protocols

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]

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 section [2.2.4.6](#).

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:sequence>
```

```

    <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 section [2.2.4.6](#).

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**.

2.2.4.6 Subscription Settings Property Set XML

A Unicode string which **MUST** conform to the following XML schema.

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema id="object" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="entries">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="entry" minOccurs="0" maxOccurs="unbounded" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

entries: The **root element** of the **XML fragment**.

entry: A name/value pair. The semantic meaning of the pair is defined by sub-protocols which implement this protocol.

Each **entry** element MUST conform to one of the XML schemas described in the following sub-sections.

2.2.4.6.1 nullEntry

An **entry** with no value.

```
<xs:complexType name="nullEntry">
  <xs:attribute name="name" type="xs:string" use="required" />
  <xs:attribute name="nil" type="xs:string" use="required" fixed="true" />
</xs:complexType>
```

name: The name of the **entry**.

nil: The attribute that indicates an entry with no value.

2.2.4.6.2 stringEntry

An **entry** that specifies a string value.

```
<xs:complexType name="stringEntry">
  <xs:simpleContent>
    <xs:extension base="xs:string" >
      <xs:attribute name="name" type="xs:string" use="required" />
      <xs:attribute name="type" type="xs:string" use="required" fixed="string" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

name: The name of the **entry**.

type: The type of the **entry**.

If the type identifier of a property set is "47EF919C-588D-4cfc-A552-762F746A5127", the value of this field MUST be a semi-colon delimited list of GUIDs or an empty string.

2.2.4.6.3 intEntry

An **entry** that specifies an integer value.

```
<xs:complexType name="intEntry">
  <xs:simpleContent>
    <xs:extension base="xs:int" >
      <xs:attribute name="name" type="xs:string" use="required" />
      <xs:attribute name="type" type="xs:string" use="required" fixed="int" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

name: The name of the **entry**.

type: The type of the **entry**.

2.2.4.6.4 longEntry

An **entry** that specifies a long value.

```
<xs:complexType name="longEntry">
  <xs:simpleContent>
    <xs:extension base="xs:long" >
      <xs:attribute name="name" type="xs:string" use="required" />
      <xs:attribute name="type" type="xs:string" use="required" fixed="long" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

name: The name of the **entry**.

type: The type of the **entry**.

2.2.4.6.5 booleanEntry

An **entry** that specifies a Boolean value.

```
<xs:complexType name="booleanEntry">
  <xs:simpleContent>
    <xs:extension base="xs:boolean" >
      <xs:attribute name="name" type="xs:string" use="required" />
      <xs:attribute name="type" type="xs:string" use="required" fixed="boolean" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

name: The name of the **entry**.

type: The type of the **entry**.

2.2.4.6.6 guidEntry

An **entry** that specifies a GUID value.

```
<xs:simpleType name="guid">
  <xs:restriction base="xs:string">
    <xs:pattern value="\{[0-9A-F]{8}-[0-9A-F]{4}-[0-9A-F]{4}-[0-9A-F]{4}-[0-9A-F]{12}\}"/>
  </xs:restriction>
</xs:simpleType>

<xs:complexType name="guidEntry">
  <xs:simpleContent>
    <xs:extension base="guid" >
      <xs:attribute name="name" type="xs:string" use="required" />
      <xs:attribute name="type" type="xs:string" use="required" fixed="guid" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

name: The name of the **entry**.

type: The type of the **entry**.

2.2.4.6.7 datetimeEntry

An **entry** that specifies a **DateTime** value.

```
<xs:complexType name="longEntry">
  <xs:simpleContent>
    <xs:extension base="xs:long" >
      <xs:attribute name="name" type="xs:string" use="required" />
      <xs:attribute name="type" type="xs:string" use="required" fixed="sp-dateTime" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

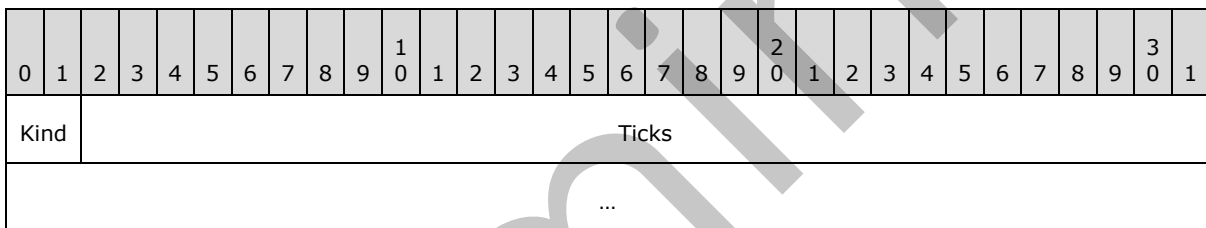
name: The name of the **entry**.

type: The type of the **entry**.

The value of this field MUST conform to the **DateTime** bit field as specified in section [2.2.4.6.7.1](#).

2.2.4.6.7.1 DateTime Bit Field

The **DateTime** bit field is a 64-bit value that MUST conform to the following model.



Kind (2 bits): The type of the **DateTime**. This value MUST be listed in the following table.

Value	Description
0x1	Coordinated Universal Time (UTC)
0x2	Local Time

Ticks (62 bits): The number of 100 nanosecond intervals that have elapsed between 12:00:00 midnight on January 1, 0001 and the date and time specified in Coordinated Universal Time (UTC).

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.

Simple type	Description
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/DeleteMappingSPSubscri
    ptionSettingsActionFaultFault" 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/DeletePropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetSPSubscriptionSettingsActionFaultFault"
    name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettingsActionFaultFault_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 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/GetPropertySetResponse"  
    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/GetPropertySetIdsResponse"
    message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_OutputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetIdSPSubscriptionSettingsActionFaultFault"
    name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_GetPropertySetIds_SPSubscriptionSettingsActionFaultFault_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 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/GetSubscriptionPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptionSettingsActionFaultFault_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 operation.

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/SetMappingSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActionFaultFault_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/SetPropertySetResponse"  
    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_SPSubscriptionSettingsActionFaultFault_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 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/SetSubscriptionPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
```

```

<wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptionSettingsActionFaultFault_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 SetSubscriptionPropertySet WSDL operation.
ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage	The response WSDL message for the SetSubscriptionPropertySet 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:sequence>
  </xs:complexType>
</xs:element>
```

```
<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_InputMessage** request WSDL message and the protocol server MUST respond with an **ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_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 **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_GetSubscriptionNextApplicationSiteDomainId_InputMessage

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

The SOAP action value is:

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

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

3.1.4.10.1.2

ISubscriptionSettingsServiceApplication_GetSubscriptionNextApplicationSiteDomainId_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/SetSubscriptionMetadata"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_InputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:output
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetadataResponse"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_OutputMessage"
    xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"/>
  <wsdl:fault
    wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionMetadataSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionMetadata_SPSubscriptionSettingsActionFaultFault_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-aa36b8acceb" 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-aa36b8acceb</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>
      </propertySet>
    </SetSubscriptionPropertySet>
  </s:Body>
</s:Envelope>

```

```

    <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>
```

Preliminary

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.

Preliminary

6 Appendix A: Full WSDL

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

```
<?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_SPSubscriptionSettingsActionFaultFault_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_SPSubscriptionSettingsActionFaultFault_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_SPSubscriptionSettingsActionFaultFault_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/GetPropertySetSPSubs
criptionSettingsActionFaultFault" 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/SetPropertySetResponse"
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/SetMappingSPSubscrip
tionSettingsActionFaultFault" 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/GetSubscriptionProp
ertySet"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage"
/>
    <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProp
ertySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage"
"/>
    <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProp
ertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptio
nSettingsActionFaultFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionPropertySet">
      <wsdl:input
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProp
ertySet"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage"
/>
      <wsdl:output
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProp
ertySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage"
"/>
      <wsdl:fault
wsam:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProp
ertySetSPSubscriptionSettingsActionFaultFault" 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_SPSubscriptio
nSettingsActionFaultFault_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:operation>
  </wsdl:binding>
</wsdl:service>

```

```

        <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:operation>

```

```

        <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:operation>

```

```
<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>
```

Preliminary

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:schema>
```



```

</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"/>

```

```

<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 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:restriction>
  </xs:simpleType>

```

```

        <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 2013 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 2013 Preview.

[<2> Section 2.2.5.3:](#) This type is available only in SharePoint Foundation 2013 Preview.

9 Change Tracking

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

Preliminary

10 Index

A

[Abstract data model server](#) 22
[Applicability](#) 11
[Attribute groups](#) 21
[Attributes](#) 21

C

[Capability negotiation](#) 11
[Change tracking](#) 79
[char simple type](#) 20
Client
 [overview](#) 22
[Complex types](#) 14
 [SPSubscriptionMetadata](#) 16
 [SPSubscriptionSettingsActionFault](#) 14
 [SPSubscriptionSettingsPropertySet](#) 14
 [SPSubscriptionSettingsPropertySetInfo](#) 15
 [SPSubscriptionSettingsPropertySetResult](#) 15
 [Subscription Settings Property Set XML](#) 16
[Create a mapping between a property set and a site subscription example](#) 58
[Create a new property set and mapping to a site subscription example](#) 58
[Create a new property set example](#) 54

D

Data model - abstract
 [server](#) 22
[Delete a mapping between a property set and a site subscription example](#) 60
[Delete a property set example](#) 60
[duration simple type](#) 20

E

Events
 [local - server](#) 53
 [timer - server](#) 53
Examples
 [create a mapping between a property set and a site subscription](#) 58
 [create a new property set](#) 54
 [create a new property set and mapping to a site subscription](#) 58
 [delete a mapping between a property set and a site subscription](#) 60
 [delete a property set](#) 60
 [fetch a property set](#) 57
 [fetch a site subscription property set](#) 59
 [fetch property set identifiers with property set type](#) 57
 [manage a site subscription property set](#) 54
 [overview](#) 54
 [update a property set](#) 56

F

[Fetch a property set example](#) 57
[Fetch a site subscription property set example](#) 59
[Fetch property set identifiers with property set type example](#) 57
[Fields - vendor-extensible](#) 12
[Full WSDL](#) 63
[Full XML Schema](#) 72
 [http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.Schema](#) 76
 [http://schemas.microsoft.com/2003/10/Serialization/Schema](#) 75
 [http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema](#) 77
 [http://tempuri.org/Schema](#) 72

G

[Glossary](#) 9
[Groups](#) 21
[guid simple type](#) 20

I

[Implementer - security considerations](#) 62
[Index of security parameters](#) 62
[Informative references](#) 10
Initialization
 [server](#) 22
[Introduction](#) 9

L

Local events
 [server](#) 53

M

[Manage a site subscription property set example](#) 54
Message processing
 [server](#) 22
Messages
 [attribute groups](#) 21
 [attributes](#) 21
 [char simple type](#) 20
 [complex types](#) 14
 [duration simple type](#) 20
 [elements](#) 14
 [enumerated](#) 14
 [groups](#) 21
 [guid simple type](#) 20
 [namespaces](#) 13
 [simple types](#) 19
 [SPSubscriptionMetadata complex type](#) 16
 [SPSubscriptionSettingsActionFault complex type](#) 14

[SPSubscriptionSettingsActionFaultType simple type](#) 20
[SPSubscriptionSettingsPropertySet complex type](#) 14
[SPSubscriptionSettingsPropertySetInfo complex type](#) 15
[SPSubscriptionSettingsPropertySetResult complex type](#) 15
[Subscription Settings Property Set XML complex type](#) 16
[syntax](#) 13
[transport](#) 13

N

[Namespaces](#) 13
[Normative references](#) 10

O

Operations

[DeleteMapping](#) 23
[DeletePropertySet](#) 26
[GetPropertySet](#) 28
[GetPropertySetIds](#) 31
[GetSubscriptionMetadata](#) 45
[GetSubscriptionNextApplicationSiteDomainId](#) 48
[GetSubscriptionPropertySet](#) 34
[SetMapping](#) 37
[SetPropertySet](#) 39
[SetSubscriptionMetadata](#) 51
[SetSubscriptionPropertySet](#) 42
[Overview \(synopsis\)](#) 11

P

[Parameters - security index](#) 62
[Preconditions](#) 11
[Prerequisites](#) 11
[Product behavior](#) 78

R

[References](#) 9
[informative](#) 10
[normative](#) 10
[Relationship to other protocols](#) 11

S

Security
[implementer considerations](#) 62
[parameter index](#) 62
Sequencing rules
[server](#) 22
Server
[abstract data model](#) 22
[DeleteMapping operation](#) 23
[DeletePropertySet operation](#) 26
[GetPropertySet operation](#) 28
[GetPropertySetIds operation](#) 31
[GetSubscriptionMetadata operation](#) 45

[GetSubscriptionNextApplicationSiteDomainId operation](#) 48
[GetSubscriptionPropertySet operation](#) 34
[initialization](#) 22
[local events](#) 53
[message processing](#) 22
[overview](#) 22
[sequencing rules](#) 22
[SetMapping operation](#) 37
[SetPropertySet operation](#) 39
[SetSubscriptionMetadata operation](#) 51
[SetSubscriptionPropertySet operation](#) 42
[timer events](#) 53
[timers](#) 22
[Simple types](#) 19
[char](#) 20
[duration](#) 20
[guid](#) 20
[SPSubscriptionSettingsActionFaultType](#) 20
[SPSubscriptionMetadata complex type](#) 16
[SPSubscriptionSettingsActionFault complex type](#) 14
[SPSubscriptionSettingsActionFaultType simple type](#) 20
[SPSubscriptionSettingsPropertySet complex type](#) 14
[SPSubscriptionSettingsPropertySetInfo complex type](#) 15
[SPSubscriptionSettingsPropertySetResult complex type](#) 15
[Standards assignments](#) 12
[Subscription Settings Property Set XML complex type](#) 16
Syntax
[messages - overview](#) 13

T

Timer events
[server](#) 53
Timers
[server](#) 22
[Tracking changes](#) 79
[Transport](#) 13
Types
[complex](#) 14
[simple](#) 19

U

[Update a property set example](#) 56

V

[Vendor-extensible fields](#) 12
[Versioning](#) 11

W

[WSDL](#) 63

X

[XML Schema](#) 72

<http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.Schema> 76
<http://schemas.microsoft.com/2003/10/Serialization/Schema> 75
<http://schemas.microsoft.com/2003/10/Serialization/Arrays/Schema> 77
<http://tempuri.org/Schema> 72

Preliminary