

## [MS-SPSETWS]:

# SharePoint Subscription Settings Web Service Protocol

---

### Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation (“this documentation”) for protocols, file formats, data portability, computer languages, and standards support. Additionally, overview documents cover inter-protocol relationships and interactions.
- **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 can make copies of it in order to develop implementations of the technologies that are described in this documentation and can distribute portions of it in your implementations that use these technologies or in your documentation as necessary to properly document the implementation. You can also distribute in your implementation, with or without modification, any schemas, IDLs, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications documentation.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that might cover your implementations of the technologies described in the Open Specifications documentation. Neither this notice nor Microsoft's delivery of this documentation grants any licenses under those patents or any other Microsoft patents. However, a given Open Specifications document might be covered by the Microsoft [Open Specifications Promise](#) or the [Microsoft Community Promise](#). If you would prefer a written license, or if the technologies described in this documentation are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting [iplg@microsoft.com](mailto:iplg@microsoft.com).
- **License Programs.** To see all of the protocols in scope under a specific license program and the associated patents, visit the [Patent Map](#).
- **Trademarks.** The names of companies and products contained in this documentation might be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit [www.microsoft.com/trademarks](http://www.microsoft.com/trademarks).
- **Fictitious Names.** The example companies, organizations, products, domain names, email addresses, logos, people, places, and events that are 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 as specifically described above, whether by implication, estoppel, or otherwise.

**Tools.** The Open Specifications documentation does 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 documents are intended for use in conjunction with publicly available standards specifications and network programming art and, as such, assume that the reader either is familiar with the aforementioned material or has immediate access to it.

**Support.** For questions and support, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

## Revision Summary

Date	Revision History	Revision Class	Comments
7/13/2009	0.1	Major	Initial Availability
8/28/2009	0.2	Editorial	Revised and edited the technical content
11/6/2009	0.3	Editorial	Revised and edited the technical content
2/19/2010	1.0	Minor	Updated the technical content
3/31/2010	1.01	Editorial	Revised and edited the technical content
4/30/2010	1.02	Editorial	Revised and edited the technical content
6/7/2010	1.03	Editorial	Revised and edited the technical content
6/29/2010	1.04	Editorial	Changed language and formatting in the technical content.
7/23/2010	1.05	Minor	Clarified the meaning of the technical content.
9/27/2010	1.05	None	No changes to the meaning, language, or formatting of the technical content.
11/15/2010	1.05	None	No changes to the meaning, language, or formatting of the technical content.
12/17/2010	1.05	None	No changes to the meaning, language, or formatting of the technical content.
3/18/2011	1.05	None	No changes to the meaning, language, or formatting of the technical content.
6/10/2011	1.05	None	No changes to the meaning, language, or formatting of the technical content.
1/20/2012	2.0	Major	Significantly changed the technical content.
4/11/2012	2.0	None	No changes to the meaning, language, or formatting of the technical content.
7/16/2012	2.0	None	No changes to the meaning, language, or formatting of the technical content.
9/12/2012	2.0	None	No changes to the meaning, language, or formatting of the technical content.
10/8/2012	2.0	None	No changes to the meaning, language, or formatting of the technical content.
2/11/2013	2.0	None	No changes to the meaning, language, or formatting of the technical content.
7/30/2013	2.1	Minor	Clarified the meaning of the technical content.
11/18/2013	2.2	Minor	Clarified the meaning of the technical content.
2/10/2014	2.2	None	No changes to the meaning, language, or formatting of the technical content.
4/30/2014	2.2	None	No changes to the meaning, language, or formatting of the technical content.

<b>Date</b>	<b>Revision History</b>	<b>Revision Class</b>	<b>Comments</b>
7/31/2014	2.2	None	No changes to the meaning, language, or formatting of the technical content.
10/30/2014	2.3	Minor	Clarified the meaning of the technical content.
2/26/2016	3.0	Major	Significantly changed the technical content.
7/15/2016	3.0	None	No changes to the meaning, language, or formatting of the technical content.
9/14/2016	3.0	None	No changes to the meaning, language, or formatting of the technical content.
7/24/2018	4.0	Major	Significantly changed the technical content.
10/1/2018	5.0	Major	Significantly changed the technical content.
7/20/2021	6.0	Major	Significantly changed the technical content.
10/5/2021	7.0	Major	Significantly changed the technical content.

# Table of Contents

<b>1</b>	<b>Introduction .....</b>	<b>9</b>
1.1	Glossary .....	9
1.2	References .....	10
1.2.1	Normative References .....	10
1.2.2	Informative References .....	11
1.3	Protocol Overview (Synopsis) .....	11
1.4	Relationship to Other Protocols .....	11
1.5	Prerequisites/Preconditions .....	12
1.6	Applicability Statement .....	12
1.7	Versioning and Capability Negotiation .....	12
1.8	Vendor-Extensible Fields .....	12
1.9	Standards Assignments.....	12
<b>2</b>	<b>Messages.....</b>	<b>13</b>
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	ArrayOfguid.....	14
2.2.4.2	SPSubscriptionMetadata.....	14
2.2.4.3	SPSubscriptionSettingsActionFault .....	15
2.2.4.4	SPSubscriptionSettingsPropertySet.....	15
2.2.4.5	SPSubscriptionSettingsPropertySetInfo .....	15
2.2.4.6	SPSubscriptionSettingsPropertySetResult .....	16
2.2.4.7	Subscription Settings Property Set XML .....	16
2.2.4.7.1	nullEntry .....	17
2.2.4.7.2	stringEntry .....	17
2.2.4.7.3	intEntry.....	17
2.2.4.7.4	longEntry .....	17
2.2.4.7.5	booleanEntry .....	18
2.2.4.7.6	guidEntry .....	18
2.2.4.7.7	datetimeEntry .....	18
2.2.4.7.7.1	Date Time Bit Field.....	19
2.2.5	Simple Types .....	19
2.2.5.1	char .....	19
2.2.5.2	guid .....	20
2.2.5.3	SPSubscriptionSettingsActionFaultType.....	20
2.2.6	Attributes .....	21
2.2.7	Groups .....	21
2.2.8	Attribute Groups.....	21
<b>3</b>	<b>Protocol Details .....</b>	<b>22</b>
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.....	25
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 .....	29
3.1.4.3.2	Elements.....	29
3.1.4.3.2.1	GetPropertySet.....	30
3.1.4.3.2.2	GetPropertySetResponse .....	30
3.1.4.3.3	Complex Types .....	30
3.1.4.3.4	Simple Types .....	30
3.1.4.3.5	Attributes .....	30
3.1.4.3.6	Groups.....	31
3.1.4.3.7	Attribute Groups.....	31
3.1.4.4	GetSubscriptionPropertySet.....	31
3.1.4.4.1	Messages .....	31
3.1.4.4.1.1	ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage.....	32
3.1.4.4.1.2	ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage.....	32
3.1.4.4.2	Elements.....	32
3.1.4.4.2.1	GetSubscriptionPropertySet .....	32
3.1.4.4.2.2	GetSubscriptionPropertySetResponse .....	33
3.1.4.4.3	Complex Types .....	33
3.1.4.4.4	Simple Types .....	33
3.1.4.4.5	Attributes .....	33
3.1.4.4.6	Groups.....	33
3.1.4.4.7	Attribute Groups.....	33
3.1.4.5	SetMapping .....	33
3.1.4.5.1	Messages .....	34
3.1.4.5.1.1	ISubscriptionSettingsServiceApplication_SetMapping_InputMessage .....	35

3.1.4.5.1.2	ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage	35
3.1.4.5.2	Elements	35
3.1.4.5.2.1	SetMapping	35
3.1.4.5.2.2	SetMappingResponse	35
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	36
3.1.4.5.7	Attribute Groups	36
3.1.4.6	SetPropertySet	36
3.1.4.6.1	Messages	37
3.1.4.6.1.1	ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage	37
3.1.4.6.1.2	ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage	38
3.1.4.6.2	Elements	38
3.1.4.6.2.1	SetPropertySet	38
3.1.4.6.2.2	SetPropertySetResponse	38
3.1.4.6.3	Complex Types	38
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	SetSubscriptionPropertySet	39
3.1.4.7.1	Messages	40
3.1.4.7.1.1	ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage	40
3.1.4.7.1.2	ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage	41
3.1.4.7.2	Elements	41
3.1.4.7.2.1	SetSubscriptionPropertySet	41
3.1.4.7.2.2	SetSubscriptionPropertySetResponse	41
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	GetSubscriptionMetadata	42
3.1.4.8.1	Messages	43
3.1.4.8.1.1	ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage	43
3.1.4.8.1.2	ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage	43
3.1.4.8.2	Elements	43
3.1.4.8.2.1	GetSubscriptionMetadata	44
3.1.4.8.2.2	GetSubscriptionMetadataResponse	44
3.1.4.8.3	Complex Types	44
3.1.4.8.4	Simple Types	44
3.1.4.8.5	Attributes	44
3.1.4.8.6	Groups	44
3.1.4.8.7	Attribute Groups	44
3.1.4.9	DeleteSubscriptionMetadata	45
3.1.4.9.1	Messages	45

3.1.4.9.1.1	ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_InputMessage.....	45
3.1.4.9.1.2	ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_OutputMessage.....	46
3.1.4.9.2	Elements .....	46
3.1.4.9.2.1	DeleteSubscriptionMetadata .....	46
3.1.4.9.2.2	DeleteSubscriptionMetadataResponse.....	46
3.1.4.9.3	Complex Types .....	47
3.1.4.9.4	Simple Types .....	47
3.1.4.9.5	Attributes .....	47
3.1.4.9.6	Groups.....	47
3.1.4.9.7	Attribute Groups.....	47
3.1.4.10	PutSubscriptionMetadata.....	47
3.1.4.10.1	Messages .....	48
3.1.4.10.1.1	ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_InputMessage .....	48
3.1.4.10.1.2	ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_OutputMessage .....	48
3.1.4.10.2	Elements .....	48
3.1.4.10.2.1	PutSubscriptionMetadata .....	48
3.1.4.10.2.2	PutSubscriptionMetadataResponse .....	49
3.1.4.10.3	Complex Types .....	49
3.1.4.10.4	Simple Types .....	49
3.1.4.10.5	Attributes .....	49
3.1.4.10.6	Groups.....	49
3.1.4.10.7	Attribute Groups.....	49
3.1.4.11	GetSubscriptionNextAppSiteDomainId .....	49
3.1.4.11.1	Messages .....	50
3.1.4.11.1.1	ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_InputMessage .....	50
3.1.4.11.1.2	ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_OutputMessage .....	50
3.1.4.11.2	Elements.....	50
3.1.4.11.2.1	GetSubscriptionNextAppSiteDomainId .....	51
3.1.4.11.2.2	GetSubscriptionNextAppSiteDomainIdResponse.....	51
3.1.4.11.3	Complex Types .....	51
3.1.4.11.4	Simple Types .....	51
3.1.4.11.5	Attributes .....	51
3.1.4.11.6	Groups.....	51
3.1.4.11.7	Attribute Groups.....	52
3.1.5	Timer Events.....	52
3.1.6	Other Local Events.....	52
<b>4</b>	<b>Protocol Examples.....</b>	<b>53</b>
4.1	Manage a Site Subscription Property Set.....	53
4.1.1	Create a New Property Set.....	53
4.1.2	Update a Property Set.....	55
4.1.3	Fetch a Property Set .....	55
4.1.4	Fetch Property Set Identifiers with Property Set Type.....	56
4.1.5	Create a Mapping Between a Property Set and a Site Subscription .....	56
4.1.6	Create a New Property Set and Mapping to a Site Subscription.....	57
4.1.7	Fetch a Site Subscription Property Set.....	57

4.1.8	Delete a Mapping Between a Property Set and a Site Subscription .....	58
4.1.9	Delete a Property Set .....	59
<b>5</b>	<b>Security .....</b>	<b>60</b>
5.1	Security Considerations for Implementers .....	60
5.2	Index of Security Parameters .....	60
<b>6</b>	<b>Appendix A: Full WSDL .....</b>	<b>61</b>
<b>7</b>	<b>Appendix B: Full XML Schema .....</b>	<b>69</b>
7.1	http://tempuri.org/ Schema .....	69
7.2	http://schemas.microsoft.com/2003/10/Serialization/ Schema .....	72
7.3	http://schemas.datacontract.org/2004/07/Microsoft.SharePoint Schema .....	73
7.4	http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema .....	74
<b>8</b>	<b>Appendix C: Product Behavior .....</b>	<b>75</b>
<b>9</b>	<b>Change Tracking .....</b>	<b>76</b>
<b>10</b>	<b>Index .....</b>	<b>77</b>



# 1 Introduction

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

Sections 1.5, 1.8, 1.9, 2, and 3 of this specification are normative. All other sections and examples in this specification are informative.

## 1.1 Glossary

This document uses the following terms:

**endpoint:** A communication port that is exposed by an application server for a specific shared service and to which messages can be addressed.

**globally unique identifier (GUID):** A term used interchangeably with universally unique identifier (UUID) in Microsoft protocol technical documents (TDs). Interchanging the usage of these terms does not imply or require a specific algorithm or mechanism to generate the value. Specifically, the use of this term does not imply or require that the algorithms described in [\[RFC4122\]](#) or [\[C706\]](#) must be used for generating the **GUID**. See also universally unique identifier (UUID).

**Hypertext Transfer Protocol (HTTP):** An application-level protocol for distributed, collaborative, hypermedia information systems (text, graphic images, sound, video, and other multimedia files) on the World Wide Web.

**Hypertext Transfer Protocol Secure (HTTPS):** An extension of HTTP that securely encrypts and decrypts web page requests. In some older protocols, "Hypertext Transfer Protocol over Secure Sockets Layer" is still used (Secure Sockets Layer has been deprecated). For more information, see [\[SSL3\]](#) and [\[RFC5246\]](#).

**property set:** A set of attributes, identified by a **GUID**. Granting access to a property set grants access to all the attributes in the set.

**root element:** The top-level element in an XML document. It contains all other elements and is not contained by any other element, as described in [\[XML\]](#).

**site collection:** A set of websites that are in the same content database, have the same owner, and share administration settings. A site collection can be identified by a **GUID** or the URL of the top-level site for the site collection. Each site collection contains a top-level site, can contain one or more subsites, and can have a shared navigational structure.

**site subscription:** A logical grouping of **site collections** that share a common set of features and service data.

**site subscription identifier:** A GUID that is used to identify a site subscription.

**SOAP:** A lightweight protocol for exchanging structured information in a decentralized, distributed environment. **SOAP** uses XML technologies to define an extensible messaging framework, which provides a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation-specific semantics. SOAP 1.2 supersedes SOAP 1.1. See [\[SOAP1.2-1/2003\]](#).

**SOAP action:** The HTTP request header field used to indicate the intent of the **SOAP** request, using a **URI** value. See [\[SOAP1.1\]](#) section 6.1.1 for more information.

**SOAP body:** A container for the payload data being delivered by a SOAP message to its recipient. See [\[SOAP1.2-1/2007\]](#) section 5.3 for more information.

**SOAP fault:** A container for error and status information within a SOAP message. See [SOAP1.2-1/2007] section 5.4 for more information.

**Uniform Resource Identifier (URI):** A string that identifies a resource. The URI is an addressing mechanism defined in Internet Engineering Task Force (IETF) Uniform Resource Identifier (URI): Generic Syntax [RFC3986].

**version stamp:** A monotonically increasing integer that serves as the version of a configuration object.

**Web Services Description Language (WSDL):** An XML format for describing network services as a set of endpoints that operate on messages that contain either document-oriented or procedure-oriented information. The operations and messages are described abstractly and are bound to a concrete network protocol and message format in order to define an endpoint. Related concrete endpoints are combined into abstract endpoints, which describe a network service. WSDL is extensible, which allows the description of endpoints and their messages regardless of the message formats or network protocols that are used.

**WSDL message:** An abstract, typed definition of the data that is communicated during a **WSDL operation** [WSDL]. Also, an element that describes the data being exchanged between web service providers and clients.

**WSDL operation:** A single action or function of a web service. The execution of a WSDL operation typically requires the exchange of messages between the service requestor and the service provider.

**XML fragment:** Lines of text that adhere to XML tag rules, as described in [XML], but do not have a Document Type Definition (DTD) or schema, processing instructions, or any other header information.

**XML namespace:** A collection of names that is used to identify elements, types, and attributes in XML documents identified in a URI reference [RFC3986]. A combination of XML namespace and local name allows XML documents to use elements, types, and attributes that have the same names but come from different sources. For more information, see [XMLNS-2ED].

**XML namespace prefix:** An abbreviated form of an **XML namespace**, as described in [XML].

**XML schema:** A description of a type of XML document that is typically expressed in terms of constraints on the structure and content of documents of that type, in addition to the basic syntax constraints that are imposed by XML itself. An XML schema provides a view of a document type at a relatively high level of abstraction.

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

## 1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](#).

### 1.2.1 Normative References

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

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

[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.rfc-editor.org/rfc/rfc2616.txt>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", W3C Note, May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[SOAP1.2-1/2007] Gudgin, M., Hadley, M., Mendelsohn, N., et al., "SOAP Version 1.2 Part 1: Messaging Framework (Second Edition)", W3C Recommendation, April 2007, <http://www.w3.org/TR/2007/REC-soap12-part1-20070427/>

[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/>

[XMLSCHEMA1/2] Thompson, H., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures Second Edition", W3C Recommendation, October 2004, <http://www.w3.org/TR/2004/REC-xmlschema-1-20041028/>

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

[XMLSCHEMA2/2] Biron, P., and Malhotra, A., Eds., "XML Schema Part 2: Datatypes Second Edition", W3C Recommendation, October 2004, <http://www.w3.org/TR/2004/REC-xmlschema-2-20041028/>

[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-SPTWS] Microsoft Corporation, "[Service Platform Topology Web Service Protocol](#)".

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.rfc-editor.org/rfc/rfc2818.txt>

[SOAP1.2-2/2007] Gudgin, M., Hadley, M., Mendelsohn, N., et al., "SOAP Version 1.2 Part 2: Adjuncts (Second Edition)", W3C Recommendation, April 2007, <http://www.w3.org/TR/2007/REC-soap12-part2-20070427/>

## 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.

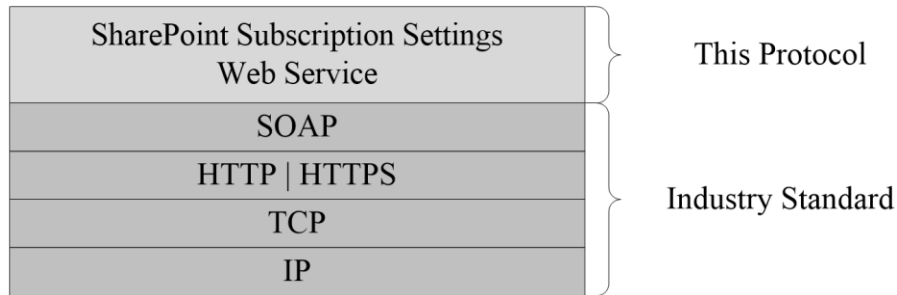
To facilitate these scenarios, this protocol can set, remove, and read **property sets** for a particular set of site collections.

## 1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#), [\[SOAP1.2-1/2007\]](#) and [\[SOAP1.2-2/2007\]](#). 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 URIs** that are known by protocol clients. The endpoint 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 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 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 described 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 [\[SOAP1.2-1/2007\]](#) 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 [\[SOAP1.2-1/2007\]](#) 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	
ser	http://schemas.microsoft.com/2003/10/Serialization/	
soap	http://schemas.xmlsoap.org/wsdl/soap/	<a href="#">[SOAP1.1]</a>
tns	http://tempuri.org/	
tns1	http://schemas.microsoft.com/2003/10/Serialization/Arrays	
tns2	http://tempuri.org/Imports	
wsaw	http://www.w3.org/2006/05/addressing/wsdl	
wsdl	http://schemas.xmlsoap.org/wsdl/	<a href="#">[WSDL]</a>
xs	http://www.w3.org/2001/XMLSchema	<a href="#">[XMLSCHEMA1/2]</a> <a href="#">[XMLSCHEMA2/2]</a>

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

### 2.2.4.1 ArrayOfguid

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

The **ArrayOfguid** complex type specifies an array of **GUIDs** used in messages within this protocol.

```
xs:complexType name="ArrayOfguid">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
```

**guid:** a GUID as specified in section [2.2.5.2](#).

### 2.2.4.2 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="ser: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**.

### 2.2.4.3 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 [2.2.5.3](#).

**m\_message:** This element is a string that specifies the SOAP fault.

### 2.2.4.4 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="ser:guid"/>
    <xs:element minOccurs="0" name="m_TypeId" type="ser: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 [2.2.4.7](#).

### 2.2.4.5 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="ser: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.

#### 2.2.4.6 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="ser:guid"/>
    <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
    <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

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

**m\_PropertySetId:** This element contains the **GUID** of the property set.

**m\_Version:** The **version stamp** of the property set.

**m\_Xml:** This element contains the list of property names and values contained in the property set. It **MUST** conform to the Subscription Settings Property Set XML schema as specified in section [2.2.4.7](#).

#### 2.2.4.7 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.

#### 2.2.4.7.1 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.

#### 2.2.4.7.2 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.

#### 2.2.4.7.3 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**.

#### 2.2.4.7.4 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**.

#### 2.2.4.7.5 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**.

#### 2.2.4.7.6 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**.

#### 2.2.4.7.7 datetimeEntry

An **entry** that specifies a **Date**Time value.

```
<xs:complexType name="datetimeEntry">
```

```

<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 [2.2.4.7.7.1](#).

### 2.2.4.7.7.1 DateTime Bit Field

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

0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1																		
Kind		Ticks																																																									
...																																																											

**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
<b>char</b>	A simple type used to represent a Unicode character. This type MUST NOT be used by this protocol.
<b>SPSubscriptionSettingsActionFaultType</b>	The <b>SPSubscriptionSettingsActionFaultType</b> element specifies the error condition that triggered the <b>SOAP fault</b> .

### 2.2.5.1 char

**Namespace:** <http://schemas.microsoft.com/2003/10/Serialization/>

A simple type used to represent a Unicode character. This type MUST NOT be used by this protocol.

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

### 2.2.5.2 guid

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

The **guid** simple type is a **GUID**.

```
<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>
```

### 2.2.5.3 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 the **SPSubscriptionSettingsActionFaultType** simple type.

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

Value	Meaning
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 identifier**s. 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
<b>DeleteMapping</b>	The <b>DeleteMapping</b> operation deletes the mapping of the <b>site subscription identifier</b> and the <b>property set</b> type identifier specified in the input message.
<b>DeletePropertySet</b>	The <b>DeletePropertySet</b> operation deletes the property set with the specified property set identifier and type identifier from the protocol server. It also deletes all associated mappings.
<b>DeleteSubscriptionMetadata</b>	The <b>DeleteSubscriptionMetadata</b> operation removes metadata associated with the subscription specified in the input message.
<b>GetPropertySet</b>	The <b>GetPropertySet</b> operation returns the property set specified by the property set identifier and the type identifier in the input

Operation	Description
	message.
<b>GetSubscriptionMetadata</b>	The <b>GetSubscriptionMetadata</b> operation retrieves metadata associated with the subscription specified in the input message.
<b>GetSubscriptionNextAppSiteDomainId</b>	The <b>GetSubscriptionNextAppSiteDomainId</b> operation is deprecated from the protocol and MUST NOT be called.
<b>GetSubscriptionPropertySet</b>	The <b>GetSubscriptionPropertySet</b> operation returns the property set with the specified type identifier and maps to the site subscription identifier specified in the input message.
<b>PutSubscriptionMetadata</b>	The <b>PutSubscriptionMetadata</b> operation updates metadata associated with the subscription specified in the input message.
<b>SetMapping</b>	The <b>SetMapping</b> 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.
<b>SetPropertySet</b>	The <b>SetPropertySet</b> operation creates a new property set or updates an existing property set.
<b>SetSubscriptionPropertySet</b>	The <b>SetSubscriptionPropertySet</b> 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.

The following is the **WSDL** port type specification of the **DeleteMapping WSDL operation**.

```
<wsdl:operation name="DeleteMapping" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
    message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingResponse"
    message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingSPSubscri
    ptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActi
    onFaultFault FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 [2.2.5.3](#).

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
<b>ISubscriptionSettingsServiceApplication_DeleteMapping_InputMessage</b>	The request WSDL message for the <b>DeleteMapping WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage</b>	The response WSDL message for the <b>DeleteMapping WSDL operation</b> .

#### 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
<b>DeleteMapping</b>	The input data for the <b>DeleteMapping WSDL operation</b> .
<b>DeleteMappingResponse</b>	The result data for the <b>DeleteMapping WSDL operation</b> .



### 3.1.4.1.2.1 DeleteMapping

The **DeleteMapping** element specifies 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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="subscriptionId" type="ser:guid"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="typeId" type="ser: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 **DeleteMappingResponse** element specifies 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 property set identifier and type identifier from the protocol server. It also deletes all associated mappings.

The following is the **WSDL** port type specification of the **DeletePropertySet WSDL operation**.

```

<wsdl:operation name="DeletePropertySet" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetResp
onse" message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettings
ActionFaultFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 [2.2.5.3](#).
2. If a property set with the specified property set 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 property set 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 property set 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
<b>ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage</b>	The request WSDL message for the <b>DeletePropertySet WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage</b>	The response WSDL message for the <b>DeletePropertySet</b>

Message	Description
	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
<b>DeletePropertySet</b>	The input data for the <b>DeletePropertySet WSDL operation</b> .
<b>DeletePropertySetResponse</b>	The result data for the <b>DeletePropertySet WSDL operation</b> .

#### 3.1.4.2.2.1 DeletePropertySet

The **DeletePropertySet** element specifies 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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="propertySetId" type="ser:guid"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="typeId" type="ser:guid"/>
      <xs:element minOccurs="0" name="version" type="xs:long"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**propertySetId:** This element contains the 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 **DeletePropertySetResponse** element specifies 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.

The following is the **WSDL** port type specification of the **GetPropertySet WSDL operation**.

```
<wsdl:operation name="GetPropertySet" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 [2.2.5.3](#).
2. If the property set with the specified property set 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 [2.2.4.6](#). It contains information about the property set, and the **m\_Exists** element is set to **TRUE**.
3. If the property set with the property set 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
<b>ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage</b>	The request WSDL message for the <b>GetPropertySet WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage</b>	The response WSDL message for the <b>GetPropertySet WSDL operation</b> .

#### 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
<b>GetPropertySet</b>	The input data for the <b>GetPropertySet WSDL operation</b> .
<b>GetPropertySetResponse</b>	The result data for the <b>GetPropertySet WSDL operation</b> .

### 3.1.4.3.2.1 GetPropertySet

The **GetPropertySet** element specifies 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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="ser:guid"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

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

### 3.1.4.3.2.2 GetPropertySetResponse

The **GetPropertySetResponse** element specifies 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 identifier and type identifier. This element MUST conform to the XML schema of the **SPSubscriptionSettingsPropertySetResult** element as specified in section [2.2.4.6](#).

### 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 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.

The following is the **WSDL** port type specification of the **GetSubscriptionPropertySet WSDL operation**.

```
<wsdl:operation name="GetSubscriptionPropertySet"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionPropertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptionSettingsActionFaultFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 the input message are null, the protocol server MUST return a **SPSubscriptionSettingsActionFault SOAP fault** with the **SPSubscriptionSettingsActionFaultType** set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.3](#).
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 [2.2.4.6](#). 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**.

#### 3.1.4.4.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_InputMessage</b>	The request WSDL message for the <b>GetSubscriptionPropertySet WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_OutputMessage</b>	The response WSDL message for the <b>GetSubscriptionPropertySet WSDL operation</b> .

#### 3.1.4.4.1.1 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.

#### 3.1.4.4.1.2 ISubscriptionSettingsServiceApplication\_GetSubscriptionPropertySet\_OutputMessage

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

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

#### 3.1.4.4.2 Elements

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

Element	Description
<b>GetSubscriptionPropertySet</b>	The input data for the <b>GetSubscriptionPropertySet WSDL operation</b> .
<b>GetSubscriptionPropertySetResponse</b>	The result data for the <b>GetSubscriptionPropertySet WSDL operation</b> .

##### 3.1.4.4.2.1 GetSubscriptionPropertySet

The **GetSubscriptionPropertySet** element specifies 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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser:guid"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

**subscriptionId:** The **site subscription identifier**.

**typeId:** The type identifier of the **property set**.

### 3.1.4.4.2 GetSubscriptionPropertySetResponse

The **GetSubscriptionPropertySetResponse** element specifies 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 [2.2.4.6](#).

### 3.1.4.4.3 Complex Types

None.

### 3.1.4.4.4 Simple Types

None.

### 3.1.4.4.5 Attributes

None.

### 3.1.4.4.6 Groups

None.

### 3.1.4.4.7 Attribute Groups

None.

### 3.1.4.5 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.

The following is the **WSDL** port type specification of the **SetMapping WSDL operation**.

```
<wsdl:operation name="SetMapping" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
    message="tns:ISubscriptionSettingsServiceApplication_SetMapping_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingResponse"
    message="tns:ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_SetMapping_SPSubscriptionSettingsActionFaultFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 a **SPSubscriptionSettingsActionFault SOAP fault** with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentOutOfRangeException" as specified in section [2.2.5.3](#).
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.

### 3.1.4.5.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_SetMapping_InputMessage</b>	The request WSDL message for the <b>SetMapping WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage</b>	The response WSDL message for the <b>SetMapping WSDL operation</b> .

### 3.1.4.5.1.1 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.

### 3.1.4.5.1.2 ISubscriptionSettingsServiceApplication\_SetMapping\_OutputMessage

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

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

### 3.1.4.5.2 Elements

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

Element	Description
<b>SetMapping</b>	The input data for the <b>SetMapping WSDL operation</b> .
<b>SetMappingResponse</b>	The result data for the <b>SetMapping WSDL operation</b> .

#### 3.1.4.5.2.1 SetMapping

The **SetMapping** element specifies 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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="subscriptionId" type="ser:guid"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="typeId" type="ser:guid"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="propertySetId" type="ser: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**.

#### 3.1.4.5.2.2 SetMappingResponse

The **SetMappingResponse** element specifies 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>

```

### 3.1.4.5.3 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 SetPropertySet

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

The following is the **WSDL** port type specification of the **SetPropertySet WSDL operation**.

```

<wsdl:operation name="SetPropertySet" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetSPSubsc
    riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsAct
    ionFaultFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 a **SPSubscriptionSettingsActionFault SOAP fault** that contains a **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentNullException" as specified in section [2.2.5.3](#).

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 property set 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 a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDeletedConcurrencyException" as specified in section 2.2.5.3.
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 a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPUpdatedConcurrencyException" as specified in section 2.2.5.3.
5. If a property set with the property set 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 a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDatabaseException" as specified in section 2.2.5.3.
7. If the protocol server successfully created or updated the property set, it MUST return an **SPSubscriptionSettingsPropertySetInfo** element that contains the property set identifier and version stamp elements of the property set as specified in section [2.2.4.5](#).

### 3.1.4.6.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage</b>	The request WSDL message for the <b>SetPropertySet WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage</b>	The response WSDL message for the <b>SetPropertySet WSDL operation</b> .

#### 3.1.4.6.1.1 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.

### 3.1.4.6.1.2 ISubscriptionSettingsServiceApplication\_SetPropertySet\_OutputMessage

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

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

### 3.1.4.6.2 Elements

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

Element	Description
<b>SetPropertySet</b>	The input data for the <b>SetPropertySet WSDL operation</b> .
<b>SetPropertySetResponse</b>	The result data for the <b>SetPropertySet WSDL operation</b> .

#### 3.1.4.6.2.1 SetPropertySet

The **SetPropertySet** element specifies 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 [2.2.4.4](#).

#### 3.1.4.6.2.2 SetPropertySetResponse

The **SetPropertySetResponse** element specifies 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 [2.2.4.5](#).

#### 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 SetSubscriptionPropertySet

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

The following is the **WSDL** port type specification of the **SetSubscriptionPropertySet WSDL operation**.

```
<wsdl:operation name="SetSubscriptionPropertySet"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySet"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetResponse"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropertySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptionSettingsActionFaultFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 a **SPSubscriptionSettingsActionFault SOAP fault** with the **SPSubscriptionSettingsActionFaultType** element set to the value "ArgumentNullException" as specified in section [2.2.5.3](#).
2. If the site subscription identifier in the input message is empty, the protocol server MUST return a **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 a **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 a **SPSubscriptionSettingsPropertySetInfo** element that contains the property set identifier and **version stamp** elements as specified in section [2.2.4.5](#).

#### 3.1.4.7.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_InputMessage</b>	The request WSDL message for the <b>SetSubscriptionPropertySet WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage</b>	The response WSDL message for the <b>SetSubscriptionPropertySet WSDL operation</b> .

##### 3.1.4.7.1.1 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.



### 3.1.4.7.1.2 ISubscriptionSettingsServiceApplication\_SetSubscriptionPropertySet\_OutputMessage

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

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

### 3.1.4.7.2 Elements

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

Element	Description
<b>SetSubscriptionPropertySet</b>	The input data for the <b>SetSubscriptionPropertySet WSDL operation</b> .
<b>SetSubscriptionPropertySetResponse</b>	The result data for the <b>SetSubscriptionPropertySet WSDL operation</b> .

#### 3.1.4.7.2.1 SetSubscriptionPropertySet

The **SetSubscriptionPropertySet** element specifies 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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="propertySet" nillable="true"
type="q1:SPSubscriptionSettingsPropertySet"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

**propertySet:** This element contains the **property set** to create. It **MUST** conform to the XML schema of **SPSubscriptionSettingsPropertySet** element as specified in section [2.2.4.4](#).

#### 3.1.4.7.2.2 SetSubscriptionPropertySetResponse

The **SetSubscriptionPropertySetResponse** element specifies 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 [2.2.4.5](#).

### 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 GetSubscriptionMetadata

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

The following is the **WSDL** port type specification of the **GetSubscriptionMetadata WSDL operation**.

```
<wsdl:operation name="GetSubscriptionMetadata" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetadata"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetadataResponse"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetadataSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_SPSubscriptionSettingsActionFaultFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</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 a **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 a **SPSubscriptionSettingsActionFault** SOAP fault with the **SPSubscriptionSettingsActionFaultType** element set to the value "SPDatabaseException".
3. The protocol server MUST return a **SPSubscriptionMetadata** element that contains the metadata associated with the given site subscription identifier.

### 3.1.4.8.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_InputMessage</b>	The request WSDL message for the <b>GetSubscriptionMetadata WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage</b>	The response WSDL message for the <b>GetSubscriptionMetadata WSDL operation</b> .

#### 3.1.4.8.1.1 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.

#### 3.1.4.8.1.2 ISubscriptionSettingsServiceApplication\_GetSubscriptionMetadata\_OutputMessage

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

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

### 3.1.4.8.2 Elements

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

Element	Description
<b>GetSubscriptionMetadata</b>	The input data for the <b>GetSubscriptionMetadata WSDL operation</b> .
<b>GetSubscriptionMetadataResponse</b>	The result data for the <b>GetSubscriptionMetadata WSDL operation</b> .

### 3.1.4.8.2.1 GetSubscriptionMetadata

The **GetSubscriptionMetadata** element specifies 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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

### 3.1.4.8.2.2 GetSubscriptionMetadataResponse

The **GetSubscriptionMetadataResponse** element specifies 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.

### 3.1.4.8.3 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 DeleteSubscriptionMetadata

The **DeleteSubscriptionMetadata** operation removes metadata associated with the subscription specified in the input message.

The following is the **WSDL** port type specification of the **DeleteSubscriptionMetadata WSDL operation**.

```
<wsdl:operation name="DeleteSubscriptionMetadata"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteSubscriptionMet
adata"
message="tns:ISubscriptionSettingsServiceApplication DeleteSubscriptionMetadata InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteSubscriptionMet
adataResponse"
message="tns:ISubscriptionSettingsServiceApplication DeleteSubscriptionMetadata OutputMessage
" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteSubscriptionMet
adataSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_SPSubscriptio
nSettingsActionFaultFault FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends an **ISubscriptionSettingsServiceApplication\_DeleteSubscriptionMetadata\_InputMessage** request WSDL message and the protocol server MUST respond with an **ISubscriptionSettingsServiceApplication\_DeleteSubscriptionMetadata\_OutputMessage** response WSDL message as follows:

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

#### 3.1.4.9.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_Inp utMessage</b>	The request WSDL message for the <b>DeleteSubscriptionMeta data WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_Out putMessage</b>	The response WSDL message for the <b>DeleteSubscriptionMeta data WSDL operation</b> .

#### 3.1.4.9.1.1 ISubscriptionSettingsServiceApplication\_DeleteSubscriptionMetadata\_In putMessage

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

The **SOAP action** value is:

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

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

### 3.1.4.9.1.2 ISubscriptionSettingsServiceApplication\_DeleteSubscriptionMetadata\_OutputMessage

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

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

### 3.1.4.9.2 Elements

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

Element	Description
DeleteSubscriptionMetadata	The input data for the <b>DeleteSubscriptionMetadata WSDL operation</b> .
DeleteSubscriptionMetadataResponse	The result data for the <b>DeleteSubscriptionMetadata WSDL operation</b> .

#### 3.1.4.9.2.1 DeleteSubscriptionMetadata

The **DeleteSubscriptionMetadata** element specifies the input data for the **DeleteSubscriptionMetadata WSDL operation**.

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

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

#### 3.1.4.9.2.2 DeleteSubscriptionMetadataResponse

The **DeleteSubscriptionMetadataResponse** element specifies the result data for the **DeleteSubscriptionMetadata WSDL operation**.

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

### 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 PutSubscriptionMetadata

The **PutSubscriptionMetadata** operation updates metadata associated with the subscription specified in the input message.

The following is the **WSDL** port type specification of the **PutSubscriptionMetadata WSDL operation**.

```
<wsdl:operation name="PutSubscriptionMetadata" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/PutSubscriptionMetadata"
    message="tns:ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/PutSubscriptionMetadataResponse"
    message="tns:ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/PutSubscriptionMetadataSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
    message="tns:ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_SPSubscriptionSettingsActionFaultFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends an **ISubscriptionSettingsServiceApplication\_PutSubscriptionMetadata\_InputMessage** request WSDL message and the protocol server MUST respond with an **ISubscriptionSettingsServiceApplication\_PutSubscriptionMetadata\_OutputMessage** response WSDL message as follows:

1. If the metadata in the input message is invalid, the protocol server MUST return a **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.

### 3.1.4.10.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_InputMessage</b>	The request WSDL message for the <b>PutSubscriptionMetadata WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_OutputMessage</b>	The response WSDL message for the <b>PutSubscriptionMetadata WSDL operation</b> .

#### 3.1.4.10.1.1 ISubscriptionSettingsServiceApplication\_PutSubscriptionMetadata\_InputMessage

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

The **SOAP action** value is:

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

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

#### 3.1.4.10.1.2 ISubscriptionSettingsServiceApplication\_PutSubscriptionMetadata\_OutputMessage

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

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

### 3.1.4.10.2 Elements

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

Element	Description
<b>PutSubscriptionMetadata</b>	The input data for the <b>PutSubscriptionMetadata WSDL operation</b> .
<b>PutSubscriptionMetadataResponse</b>	The result data for the <b>PutSubscriptionMetadata WSDL operation</b> .

#### 3.1.4.10.2.1 PutSubscriptionMetadata

The **PutSubscriptionMetadata** element specifies the input data for the **PutSubscriptionMetadata WSDL operation**.

```
<xs:element name="PutSubscriptionMetadata" 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 associated with the subscription.

### 3.1.4.10.2.2 PutSubscriptionMetadataResponse

The **PutSubscriptionMetadataResponse** element specifies the result data for the **PutSubscriptionMetadata** **WSDL operation**.

```

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

```

### 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 GetSubscriptionNextAppSiteDomainId

The **GetSubscriptionNextAppSiteDomainId** operation is deprecated from the protocol and MUST NOT be called.

The following is the **WSDL** port type specification of the **GetSubscriptionNextAppSiteDomainId** **WSDL operation**.

```

<wsdl:operation name="GetSubscriptionNextAppSiteDomainId"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAppSiteDomainId"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_InputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAppSiteDomainIdResponse"

```

```

message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_Outpu
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
pSiteDomainIdSPSubscriptionSettingsActionSiteFaultFault"
name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_SPSub
scriptionSettingsActionFaultFault FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

### 3.1.4.11.1 Messages

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

Message	Description
<b>ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_InputMessage</b>	The request WSDL message for the <b>GetSubscriptionNextAppSiteDomainId WSDL operation</b> .
<b>ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_OutputMessage</b>	The response WSDL message for the <b>GetSubscriptionNextAppSiteDomainId WSDL operation</b> .

#### 3.1.4.11.1.1 ISubscriptionSettingsServiceApplication\_GetSubscriptionNextAppSiteDomainId\_InputMessage

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

The **SOAP action** value is:

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

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

#### 3.1.4.11.1.2 ISubscriptionSettingsServiceApplication\_GetSubscriptionNextAppSiteDomainId\_OutputMessage

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

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

### 3.1.4.11.2 Elements

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

Element	Description
<b>GetSubscriptionNextAppSiteDomainId</b>	The input data for the <b>GetSubscriptionNextAppSiteDomainId WSDL operation</b> .

Element	Description
<b>GetSubscriptionNextAppSiteDomainIdResponse</b>	The result data for the <b>GetSubscriptionNextAppSiteDomainId</b> WSDL operation.

### 3.1.4.11.2.1 GetSubscriptionNextAppSiteDomainId

The **GetSubscriptionNextAppSiteDomainId** element specifies the input data for the **GetSubscriptionNextAppSiteDomainId** **WSDL operation**.

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

**subscriptionId:** Deprecated.

**numberOfAppSiteDomainIds:** Deprecated.

### 3.1.4.11.2.2 GetSubscriptionNextAppSiteDomainIdResponse

The **GetSubscriptionNextAppSiteDomainIdResponse** element specifies the result data for the **GetSubscriptionNextAppSiteDomainId** **WSDL operation**.

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

**GetSubscriptionNextAppSiteDomainIdResult:** Deprecated.

### 3.1.4.11.3 Complex Types

None.

### 3.1.4.11.4 Simple Types

None.

### 3.1.4.11.5 Attributes

None.

### 3.1.4.11.6 Groups

None.

#### **3.1.4.11.7 Attribute Groups**

None.

#### **3.1.5 Timer Events**

None.

#### **3.1.6 Other Local Events**

None.

## 4 Protocol Examples

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

### 4.1 Manage a Site Subscription Property Set

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

#### 4.1.1 Create a New Property Set

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

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

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

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

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

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

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetPropertySet xmlns="http://tempuri.org/">
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
```

```

    <m TypeId>83e6c4cb-8e96-4882-af00-421f586517f2</m TypeId>
    <m_Version>0</m_Version>
    <m_Xml>
      <entries>
        <entry name="SampleAdminPropertySet1" type="int">456</entry>
      </entries>
    </m_Xml>
  </propertySet>
</SetPropertySet>
</s:Body>
</s:Envelope>

```

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

```

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

```

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

```

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

```

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

```

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

```

```
</s:Envelope>
```

### 4.1.2 Update a Property Set

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

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

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

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

### 4.1.3 Fetch a Property Set

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

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

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

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

#### 4.1.4 Fetch Property Set Identifiers with Property Set Type

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

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

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

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

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

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

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



```

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

```

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

```

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

```

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

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

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Body>
    <SetSubscriptionPropertySet xmlns="http://tempuri.org/">
      <subscriptionId>0e6b9180-6e6f-44d3-8573-4917ce77917e</subscriptionId>
      <propertySet xmlns="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint" >
        <m_PropertySetId>00000000-0000-0000-0000-000000000000</m_PropertySetId>
        <m_TypeId>d5c46399-6d04-4489-82cd-aa36b8accefb</m_TypeId>
        <m_Version>0</m_Version>
        <m_Xml>
          <entries>
            <entry name="SamplePropertySet2" type="int">789</entry>
          </entries>
        </m_Xml>
      </propertySet>
    </SetSubscriptionPropertySet>
  </s:Body>
</s:Envelope>

```

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

```

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

```

#### 4.1.7 Fetch a Site Subscription Property Set

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

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

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

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

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

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

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

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

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

#### 4.1.9 Delete a Property Set

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

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

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

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

## **5 Security**

### **5.1 Security Considerations for Implementers**

There are no additional security considerations. Security assumptions for this protocol are documented in section [1.5](#).

### **5.2 Index of Security Parameters**

None.

## 6 Appendix A: Full WSDL

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

```
<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:tns="http://tempuri.org/"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl" targetNamespace="http://tempuri.org/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema xmlns:tns2="http://tempuri.org/Imports"
targetNamespace="http://tempuri.org/Imports">
      <xs:import namespace="http://tempuri.org/Imports"/>
      <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:import namespace="http://tempuri.org/" />
    </xs:schema>
  </wsdl:types>
  <wsdl:portType name="ISubscriptionSettingsServiceApplication">
    <wsdl:operation name="GetPropertySet">
      <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_InputMessage"/>
      <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage"/>
      </wsdl:operation>
    <wsdl:operation name="SetPropertySet">
      <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_InputMessage"/>
      <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySetSPSubsc
riptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetPropertySet_SPSubscriptionSettingsAct
ionFaultFault_FaultMessage"/>
      </wsdl:operation>
    <wsdl:operation name="DeletePropertySet">
      <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySet"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_InputMessage"/>
      <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetResp
onse" message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeletePropertySetSPSu
bscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettings
ActionFaultFault_FaultMessage"/>
      </wsdl:operation>
    <wsdl:operation name="SetMapping">
      <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMapping"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_InputMessage"/>
      <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetMapping_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetMappingSPSubscrip
```

```

ionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication SetMapping SPSubscriptionSettingsActionF
aultFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="DeleteMapping">
<wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMapping"
message="tns:ISubscriptionSettingsServiceApplication DeleteMapping InputMessage"/>
<wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingResponse
" message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_OutputMessage"/>
<wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteMappingSPSubscr
ptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeleteMapping_SPSubscriptionSettingsActi
onFaultFault FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetSubscriptionPropertySet">
<wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication GetSubscriptionPropertySet InputMessage"
/>
<wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetResponse"
message="tns:ISubscriptionSettingsServiceApplication GetSubscriptionPropertySet OutputMessage
"/>
<wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionProper
tySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionPropertySet_SPSubscriptio
nSettingsActionFaultFault FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="SetSubscriptionPropertySet">
<wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySet"
message="tns:ISubscriptionSettingsServiceApplication SetSubscriptionPropertySet InputMessage"
/>
<wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySetResponse"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_OutputMessage
"/>
<wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionProper
tySetSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_SetSubscriptionPropertySet_SPSubscriptio
nSettingsActionFaultFault FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetSubscriptionMetadata">
<wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
ta"
message="tns:ISubscriptionSettingsServiceApplication GetSubscriptionMetadata InputMessage"/>
<wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
taResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionMetadata_OutputMessage"/>
<wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetada
taSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication GetSubscriptionMetadata SPSubscriptionSe
ttingsActionFaultFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="PutSubscriptionMetadata">
<wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/PutSubscriptionMetada

```

```

ta"
message="tns:ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_InputMessage"/>
  <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/PutSubscriptionMetada
taResponse"
message="tns:ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/PutSubscriptionMetada
taSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_SPSubscriptionSe
ttingsActionFaultFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetSubscriptionNextAppSiteDomainId">
    <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
pSiteDomainId"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_Input
Message"/>
    <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
pSiteDomainIdResponse"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_Outpu
tMessage"/>
    <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextAp
pSiteDomainIdSPSubscriptionSettingsActionFaultFault"
name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_SPSub
scriptionSettingsActionFaultFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="DeleteSubscriptionMetadata">
      <wsdl:input
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteSubscriptionMet
adata"
message="tns:ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_InputMessage"
/>
      <wsdl:output
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteSubscriptionMet
adataResponse"
message="tns:ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_OutputMessage"
"/>
      <wsdl:fault
wsaw:Action="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteSubscriptionMet
adataSPSubscriptionSettingsActionFaultFault" name="SPSubscriptionSettingsActionFaultFault"
message="tns:ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_SPSubscriptio
nSettingsActionFaultFault_FaultMessage"/>
      </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="DefaultBinding_ISubscriptionSettingsServiceApplication"
type="tns:ISubscriptionSettingsServiceApplication">
      <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
      <wsdl:operation name="GetPropertySet">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetPropertySet"
style="document"/>
        <wsdl:input>
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
          <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
        </wsdl:fault>
      </wsdl:operation>
      <wsdl:operation name="SetPropertySet">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetPropertySet"
style="document"/>

```

```

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

```



```

        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SetSubscriptionPropertySet">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/SetSubscriptionPropert
ySet" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
            <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetSubscriptionMetadata">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionMetadat
a" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
            <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="PutSubscriptionMetadata">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/PutSubscriptionMetadat
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="GetSubscriptionNextAppSiteDomainId">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/GetSubscriptionNextApp
SiteDomainId" 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="DeleteSubscriptionMetadata">
        <soap:operation
soapAction="http://tempuri.org/ISubscriptionSettingsServiceApplication/DeleteSubscriptionMeta
data" style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>

```

```

        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="SPSubscriptionSettingsActionFaultFault">
            <soap:fault use="literal" name="SPSubscriptionSettingsActionFaultFault"
namespace="/">
        </wsdl:fault>
    </wsdl:operation>
</wsdl:binding>
<wsdl: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_DeletePropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:DeletePropertySet"/>
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:DeletePropertySetResponse"/>
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_DeletePropertySet_SPSubscriptionSettingsActionF
aultFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_InputMessage">
    <wsdl:part name="parameters" element="tns:DeleteSubscriptionMetadata"/>
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_OutputMessage">
    <wsdl:part name="parameters" element="tns:DeleteSubscriptionMetadataResponse"/>
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_DeleteSubscriptionMetadata_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_GetPropertySet_InputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySet"/>
</wsdl:message>
<wsdl:message name="ISubscriptionSettingsServiceApplication_GetPropertySet_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetPropertySetResponse"/>
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_GetPropertySet_SPSubscriptionSettingsActionFaul
tFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
</wsdl:message>
<wsdl:message
name="ISubscriptionSettingsServiceApplication_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_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_GetSubscriptionNextAppSiteDomainId_InputMessage
">
    <wsdl:part name="parameters" element="tns:GetSubscriptionNextAppSiteDomainId"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_OutputMessag
e">
    <wsdl:part name="parameters" element="tns:GetSubscriptionNextAppSiteDomainIdResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_GetSubscriptionNextAppSiteDomainId_SPSubscripti
onSettingsActionFaultFault_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_PutSubscriptionMetadata_InputMessage">
    <wsdl:part name="parameters" element="tns:PutSubscriptionMetadata"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_OutputMessage">
    <wsdl:part name="parameters" element="tns:PutSubscriptionMetadataResponse"/>
  </wsdl:message>
  <wsdl:message
name="ISubscriptionSettingsServiceApplication_PutSubscriptionMetadata_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_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_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_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_SPSubscriptionSettingsActionFaultFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
name="detail" element="q1:SPSubscriptionSettingsActionFault"/>
  </wsdl:message>
</wsdl:definitions>

```

## 7 Appendix B: Full XML Schema

Schema name	Prefix	Section
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint">http://schemas.datacontract.org/2004/07/Microsoft.SharePoint</a>	q1	<a href="#">7.3</a>
<a href="http://schemas.microsoft.com/2003/10/Serialization/Arrays">http://schemas.microsoft.com/2003/10/Serialization/Arrays</a>	tns1	<a href="#">7.4</a>
<a href="http://schemas.microsoft.com/2003/10/Serialization/">http://schemas.microsoft.com/2003/10/Serialization/</a>	ser	<a href="#">7.2</a>
<a href="http://tempuri.org/">http://tempuri.org/</a>	tns	<a href="#">7.1</a>

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

### 7.1 <http://tempuri.org/> Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema elementFormDefault="qualified" targetNamespace="http://tempuri.org/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <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:element name="GetPropertySet">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="ser:guid"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetPropertySetResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="GetPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetResult"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetPropertySet">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="propertySet" nillable="true"
type="q1:SPSubscriptionSettingsPropertySet"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetPropertySetResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
minOccurs="0" name="SetPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetInfo"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="DeletePropertySet">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="ser:guid"/>

```

```

        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser: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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetPropertySetIdsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="GetPropertySetIdsResult" nillable="true" type="tns1:ArrayOfguid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SetMapping">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser:guid"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="propertySetId" type="ser: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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser: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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="typeId" type="ser: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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser: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:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser: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="PutSubscriptionMetadata">
  <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="PutSubscriptionMetadataResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="GetSubscriptionNextAppSiteDomainId">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
      <xs:element minOccurs="0" name="numberOfAppSiteDomainIds" type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSubscriptionNextAppSiteDomainIdResponse">

```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="GetSubscriptionNextAppSiteDomainIdResult"
nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="DeleteSubscriptionMetadata">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="subscriptionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="DeleteSubscriptionMetadataResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

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

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:ser="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="ser:char"/>
  <xs:simpleType name="char">
    <xs:restriction base="xs:int"/>
  </xs:simpleType>
  <xs:element name="duration" nillable="true" type="ser: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="ser: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" encoding="UTF-8"?>
<xs:schema xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
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="ser:guid"/>
      <xs:element minOccurs="0" name="m_Version" type="xs:long"/>
      <xs:element minOccurs="0" name="m_Xml" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="SPSubscriptionSettingsPropertySetResult" nillable="true"
type="q1:SPSubscriptionSettingsPropertySetResult"/>
  <xs:complexType name="SPSubscriptionSettingsActionFault">
    <xs:sequence>
      <xs:element minOccurs="0" name="m_faultType"
type="q1:SPSubscriptionSettingsActionFaultType"/>
      <xs:element minOccurs="0" name="m_message" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="SPSubscriptionSettingsActionFault" nillable="true"
type="q1:SPSubscriptionSettingsActionFault"/>
  <xs:simpleType name="SPSubscriptionSettingsActionFaultType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="ArgumentOutOfRangeException"/>
      <xs:enumeration value="ArgumentNullException"/>
      <xs:enumeration value="SPDatabaseException"/>
      <xs:enumeration value="SPDeletedConcurrencyException"/>
      <xs:enumeration value="SPUpdatedConcurrencyException"/>
      <xs:enumeration value="ArgumentException"/>
      <xs:enumeration value="SPException"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="SPSubscriptionSettingsActionFaultType" nillable="true"
type="q1:SPSubscriptionSettingsActionFaultType"/>
  <xs:complexType name="SPSubscriptionSettingsPropertySet">
    <xs:sequence>
      <xs:element minOccurs="0" name="m_PropertySetId" type="ser:guid"/>
      <xs:element minOccurs="0" name="m_TypeId" type="ser: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="ser: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="ser:guid"/>
    </xs:sequence>
  </xs:complexType>

```

```
    </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" encoding="UTF-8"?>
<xs:schema xmlns:tns1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:ser="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="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfguid" nillable="true" type="tns1: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 updates to those products.

- Microsoft SharePoint Foundation 2010
- Microsoft SharePoint Foundation 2013
- Microsoft SharePoint Server 2016
- Microsoft SharePoint Server 2019
- Microsoft SharePoint Server Subscription Edition

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates 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.

## 9 Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as Major, Minor, or None.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements.
- A document revision that captures changes to protocol functionality.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **None** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the relevant technical content is identical to the last released version.

The changes made to this document are listed in the following table. For more information, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

Section	Description	Revision class
<a href="#">8</a> Appendix C: Product Behavior	Updated list of supported products.	Major

## 10 Index

### A

Abstract data model  
[server](#) 22  
[Applicability](#) 12  
[ArrayOfguid complex type](#) 14  
[Attribute groups](#) 21  
[Attributes](#) 21

### C

[Capability negotiation](#) 12  
[Change tracking](#) 76  
[char simple type](#) 19  
Client  
[overview](#) 22  
[Complex types](#) 14  
[ArrayOfguid](#) 14  
[SPSubscriptionMetadata](#) 14  
[SPSubscriptionSettingsActionFault](#) 15  
[SPSubscriptionSettingsPropertySet](#) 15  
[SPSubscriptionSettingsPropertySetInfo](#) 15  
[SPSubscriptionSettingsPropertySetResult](#) 16  
[Subscription Settings Property Set XML](#) 16  
[Create a mapping between a property set and a site subscription example](#) 56  
[Create a new property set and mapping to a site subscription example](#) 57  
[Create a new property set example](#) 53

### D

Data model - abstract  
[server](#) 22  
[Delete a mapping between a property set and a site subscription example](#) 58  
[Delete a property set example](#) 59

### E

Events  
[local - server](#) 52  
[timer - server](#) 52  
Examples  
[create a mapping between a property set and a site subscription](#) 56  
[create a new property set](#) 53  
[create a new property set and mapping to a site subscription](#) 57  
[delete a mapping between a property set and a site subscription](#) 58  
[delete a property set](#) 59  
[fetch a property set](#) 55  
[fetch a site subscription property set](#) 57  
[fetch property set identifiers with property set type](#) 56  
[manage a site subscription property set](#) 53  
[overview](#) 53  
[update a property set](#) 55

### F

[Fetch a property set example](#) 55  
[Fetch a site subscription property set example](#) 57  
[Fetch property set identifiers with property set type example](#) 56  
[Fields - vendor-extensible](#) 12  
[Full WSDL](#) 61  
[Full XML schema](#) 69

<http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.Schema> 73

<http://schemas.microsoft.com/2003/10/Serialization/Schema> 72

<http://schemas.microsoft.com/2003/10/Serialization/Arrays.Schema> 74

<http://tempuri.org/Schema> 69

### G

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

### I

[Implementer - security considerations](#) 60  
[Index of security parameters](#) 60  
[Informative references](#) 11  
Initialization  
[server](#) 22  
[Introduction](#) 9

### L

Local events  
[server](#) 52

### M

[Manage a site subscription property set example](#) 53  
Message processing  
[server](#) 22  
Messages  
[ArrayOfguid complex type](#) 14  
[attribute groups](#) 21  
[attributes](#) 21  
[char simple type](#) 19  
[complex types](#) 14  
[elements](#) 14  
[enumerated](#) 14  
[groups](#) 21  
[guid simple type](#) 20  
[namespaces](#) 13  
[simple types](#) 19  
[SPSubscriptionMetadata complex type](#) 14  
[SPSubscriptionSettingsActionFault complex type](#) 15  
[SPSubscriptionSettingsActionFaultType simple type](#) 20

<a href="#">SPSubscriptionSettingsPropertySet</a> complex type	15
<a href="#">SPSubscriptionSettingsPropertySetInfo</a> complex type	15
<a href="#">SPSubscriptionSettingsPropertySetResult</a> complex type	16
<a href="#">Subscription Settings Property Set XML</a> complex type	16
<a href="#">syntax</a>	13
<a href="#">transport</a>	13
<b>N</b>	
<a href="#">Namespaces</a>	13
<a href="#">Normative references</a>	10
<b>O</b>	
Operations	
<a href="#">DeleteMapping</a>	23
<a href="#">DeletePropertySet</a>	25
<a href="#">DeleteSubscriptionMetadata</a>	45
<a href="#">GetPropertySet</a>	28
<a href="#">GetSubscriptionMetadata</a>	42
<a href="#">GetSubscriptionNextAppSiteDomainId</a>	49
<a href="#">GetSubscriptionPropertySet</a>	31
<a href="#">PutSubscriptionMetadata</a>	47
<a href="#">SetMapping</a>	33
<a href="#">SetPropertySet</a>	36
<a href="#">SetSubscriptionPropertySet</a>	39
<a href="#">Overview (synopsis)</a>	11
<b>P</b>	
<a href="#">Parameters - security index</a>	60
<a href="#">Preconditions</a>	12
<a href="#">Prerequisites</a>	12
<a href="#">Product behavior</a>	75
Protocol Details	
<a href="#">overview</a>	22
<b>R</b>	
<a href="#">References</a>	
<a href="#">informative</a>	11
<a href="#">normative</a>	10
<a href="#">Relationship to other protocols</a>	11
<b>S</b>	
Security	
<a href="#">implementer considerations</a>	60
<a href="#">parameter index</a>	60
Sequencing rules	
<a href="#">server</a>	22
Server	
<a href="#">abstract data model</a>	22
<a href="#">DeleteMapping operation</a>	23
<a href="#">DeletePropertySet operation</a>	25
<a href="#">DeleteSubscriptionMetadata operation</a>	45
<a href="#">GetPropertySet operation</a>	28
<a href="#">GetSubscriptionMetadata operation</a>	42
<a href="#">GetSubscriptionNextAppSiteDomainId operation</a>	49
<a href="#">GetSubscriptionPropertySet operation</a>	31
<a href="#">initialization</a>	22
<a href="#">local events</a>	52
<a href="#">message processing</a>	22
<a href="#">overview</a>	22
<a href="#">PutSubscriptionMetadata operation</a>	47
<a href="#">sequencing rules</a>	22
<a href="#">SetMapping operation</a>	33
<a href="#">SetPropertySet operation</a>	36
<a href="#">SetSubscriptionPropertySet operation</a>	39
<a href="#">timer events</a>	52
<a href="#">timers</a>	22
<a href="#">Simple types</a>	
<a href="#">char</a>	19
<a href="#">guid</a>	20
<a href="#">SPSubscriptionSettingsActionFaultType</a>	20
<a href="#">SPSubscriptionMetadata</a> complex type	14
<a href="#">SPSubscriptionSettingsActionFault</a> complex type	15
<a href="#">SPSubscriptionSettingsActionFaultType</a> simple type	20
<a href="#">SPSubscriptionSettingsPropertySet</a> complex type	15
<a href="#">SPSubscriptionSettingsPropertySetInfo</a> complex type	15
<a href="#">SPSubscriptionSettingsPropertySetResult</a> complex type	16
<a href="#">Standards assignments</a>	12
<a href="#">Subscription Settings Property Set XML</a> complex type	16
Syntax	
<a href="#">messages - overview</a>	13
<b>T</b>	
Timer events	
<a href="#">server</a>	52
Timers	
<a href="#">server</a>	22
<a href="#">Tracking changes</a>	76
<a href="#">Transport</a>	13
Types	
<a href="#">complex</a>	14
<a href="#">simple</a>	19
<b>U</b>	
<a href="#">Update a property set example</a>	55
<b>V</b>	
<a href="#">Vendor-extensible fields</a>	12
<a href="#">Versioning</a>	12
<b>W</b>	
<a href="#">WSDL</a>	61
<b>X</b>	
<a href="#">XML schema</a>	69
<a href="#">http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.Schema</a>	73
<a href="#">http://schemas.microsoft.com/2003/10/Serialization/Schema</a>	72

<http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema> 74  
<http://tempuri.org/ Schema> 69