[MS-SPDIAG]:
SharePoint Diagnostics Web Service Protocol

Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.

- **Copyrights.** This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.

- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.

- **Patents.** Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft Open Specification Promise or the Community Promise. If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting iplg@microsoft.com.

- **Trademarks.** The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit www.microsoft.com/trademarks.

- **Fictitious Names.** The example companies, organizations, products, domain names, email addresses, logos, people, places, and events depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

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

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

Revision Summary

Date	Revision History	Revision Class	Comments
07/13/2009	0.1	Major	Initial Availability
08/28/2009	0.2	Editorial	Revised and edited the technical content
11/06/2009	0.3	Editorial	Revised and edited the technical content
02/19/2010	1.0	Major	Updated and revised the technical content
03/31/2010	1.01	Editorial	Revised and edited the technical content
04/30/2010	1.02	Editorial	Revised and edited the technical content
06/07/2010	1.03	Editorial	Revised and edited the technical content
06/29/2010	1.04	Editorial	Changed language and formatting in the technical content.
07/23/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
09/27/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
11/15/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
12/17/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
03/18/2011	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
06/10/2011	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
01/20/2012	2.0	Major	Significantly changed the technical content.
04/11/2012	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
07/16/2012	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
09/12/2012	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
10/08/2012	2.1	Minor	Clarified the meaning of the technical content.
02/11/2013	2.1	No change	No changes to the meaning, language, or formatting of the technical content.
07/30/2013	2.1	No change	No changes to the meaning, language, or formatting of the technical content.

Date	Revision History	Revision Class	Comments
11/18/2013	2.1	No change	No changes to the meaning, language, or formatting of the technical content.
02/10/2014	2.1	No change	No changes to the meaning, language, or formatting of the technical content.

Table of Contents

1 Introduction

The SharePoint Diagnostics Web Service Protocol enables a protocol client to submit diagnostic reports describing application errors that occur on the protocol client.

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

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

Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)
SOAP
SOAP action
SOAP body
SOAP fault
SOAP message
XML namespace

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

endpoint
Uniform Resource Identifier (URI)
Uniform Resource Locator (URL)
Web Services Description Language (WSDL)
WSDL message
WSDL operation
XML fragment
XML namespace prefix
XML schema

The following terms are specific to this document:

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

1.2 References

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

1.2.1 Normative References

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

[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.ietf.org/rfc/rfc2616.txt

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

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

[SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, http://www.w3.org/TR/2003/REC-soap12-part2-20030624

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

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

[XMLSCHEMA1] Thompson, H.S., 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] Biron, P.V., and Malhotra, A., Eds., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/

[XPATH] Clark, J. and DeRose, S., "XML Path Language (XPath), Version 1.0", W3C Recommendation, November 1999, http://www.w3.org/TR/xpath

1.2.2   Informative References

[MS-GLOS] Microsoft Corporation, "Windows Protocols Master Glossary".

[MS-OFCGLOS] Microsoft Corporation, "Microsoft Office Master Glossary".

[MS-SPTWS] Microsoft Corporation, "Service Platform Topology Web Service Protocol".

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

1.3   Overview

In many modern web pages, there is a large amount of code (for example, JavaScript) running in client web browser. To help diagnose common errors encountered with the web pages mentioned, it is desirable that the developers of the pages can get detailed information regarding these errors.

This protocol defines an operation that allows a protocol client to submit details about an error report (for example, call stack, error message, or operating environment). The developers can use the submitted error reports to discover and fix errors encountered by the users.

1.4   Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [SOAP1.1], [SOAP1.2/1] and [SOAP1.2/2]. It transmits those messages by using

HTTP, as described in [RFC2616], or **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**, as described in [RFC2818].

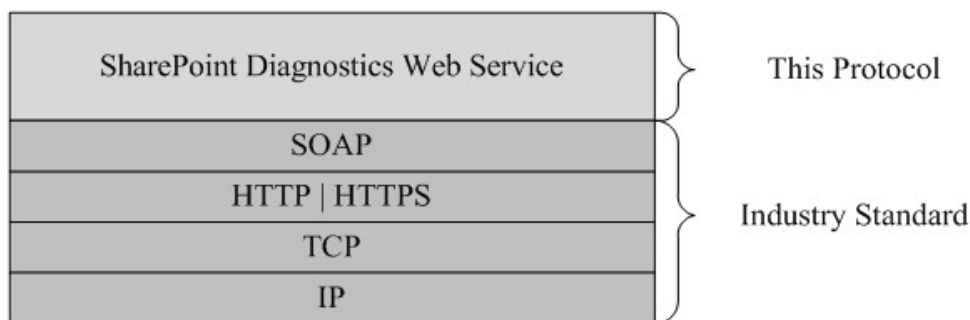| SharePoint Diagnostics Web Service	This Protocol
SOAP	
HTTP | HTTPS	Industry Standard
TCP	
IP	

Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

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

The protocol client obtains the requisite ApplicationClassId and ApplicationVersion values as described in [MS-SPTWS] section 3.1.4.1.3.3 and the endpoint (4) URI of the protocol server that provides the discovery mechanism, as described in [MS-SPSTWS], by means that are independent of either protocol.

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

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

1.6 Applicability Statement

This protocol is intended to transfer small amounts of data (less than 6 kilobytes) from a protocol client to a protocol server. Therefore, the protocol client is expected to gather and format relevant information (such as the call stack) in an **XML fragment**.

This protocol is not intended to transfer large regions of memory or other comprehensive error data collection from a protocol client.

1.7 Versioning and Capability Negotiation

This specification covers versioning issues in the following areas:

- **Supported Transports**: This protocol can be implemented by using transports that support sending 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] section 5. Protocol server faults MUST be returned by using either HTTP status codes, as specified in [RFC2616] section 10, or **SOAP faults**, as specified in [SOAP1.1] section 4.4 or [SOAP1.2/1] section 5.4.

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

This protocol MAY transmit an additional SOAP header, the **ServiceContex**t 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 contains common definitions used by this protocol. The syntax of the definitions uses an **XML schema** as defined in [XMLSCHEMA1] and [XMLSCHEMA2], and **WSDL** as defined 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
http	http://schemas.xmlsoap.org/wsdl/http/	[RFC2616]
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
soap12	http://schemas.xmlsoap.org/wsdl/soap12/	[SOAP1.2/1] [SOAP1.2/2]
tns	http://schemas.microsoft.com/sharepoint/diagnostics/	
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]

2.2.2   Messages

This specification does not define any common **WSDL message** definitions.

2.2.3   Elements

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

2.2.4   Complex Types

This specification does not define any common XML schema complex type definitions.

2.2.5   Simple Types

This specification does not define any common XML schema simple type definitions.

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.

Except where specified, protocol clients SHOULD interpret HTTP status codes returned by the protocol server as specified in [RFC2616] section 10.

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

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

3.1   Server Details

The following diagram describes the communication between the protocol client and the protocol server.
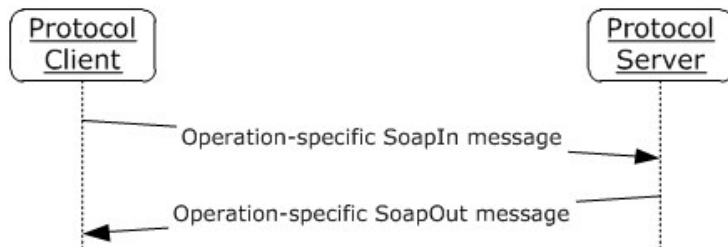

Figure 2: Message exchange between client and server

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.

This protocol does not dictate any specific information required in the error report. If available, the error report data includes information about the client operating environment (such as web browser name, browser version, and protocol client language). The error report data includes information about the error (message, **URL**, line number, and call stack). The error report includes information about the origination of the error (application name, file name). The error report is specified in section 3.1.4.1.

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
SendClientScriptErrorReport	This operation is used to submit error reports originating from the protocol client to the protocol server.

3.1.4.1 SendClientScriptErrorReport

This operation is used to submit error reports originating from the protocol client to the protocol server.

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

```
<wsdl:operation name="SendClientScriptErrorReport"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="tns:SendClientScriptErrorReportSoapIn"/>
  <wsdl:output message="tns:SendClientScriptErrorReportSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **SendClientScriptErrorReportSoapIn** request WSDL message, and the protocol server responds with a **SendClientScriptErrorReportSoapOut** response WSDL message.

3.1.4.1.1 Messages

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

Message	Description
SendClientScriptErrorReportSoapIn	The request WSDL message for the **SendClientScriptErrorReport** WSDL operation.
SendClientScriptErrorReportSoapOut	The response WSDL message for the **SendClientScriptErrorReport** WSDL operation.

3.1.4.1.1.1 SendClientScriptErrorReportSoapIn

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

The **SOAP action** value is:

```
http://schemas.microsoft.com/sharepoint/diagnostics/SendClientScriptErrorReport
```

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

3.1.4.1.1.2 SendClientScriptErrorReportSoapOut

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

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

3.1.4.1.2 Elements

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

Element	Description
SendClientScriptErrorReport	The input data for the **SendClientScriptErrorReport** WSDL operation.
SendClientScriptErrorReportResponse	The result data for the **SendClientScriptErrorReport** WSDL operation.

3.1.4.1.2.1 SendClientScriptErrorReport

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

```
<xs:element name="SendClientScriptErrorReport" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="message" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="file" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="line" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="client" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="stack" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="team" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="originalFile" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

message: A string containing the message associated with the current error.

file: A string containing the URL file name associated with the current error.

line: An integer containing the line number associated with the current error.

client: A string argument representing the protocol client operating environment.[<1>](#)

stack: A string argument representing the call stack of the error.[<2>](#)

team: A string containing the application associated with the current error.

originalFile: A string containing the physical file name associated with the current error.

3.1.4.1.2.2 SendClientScriptErrorReportResponse

The **SendClientScriptErrorReportResponse** element specifies the result data for the **SendClientScriptErrorReport** WSDL operation.

```
<xs:element name="SendClientScriptErrorReportResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="SendClientScriptErrorReportResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SendClientScriptErrorReportResult: Implementation specific result. The protocol client MUST NOT rely on this data to follow any particular format.

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.

3.1.5   Timer Events

None.

3.1.6   Other Local Events

None.

4 Protocol Examples

To submit an error report to the server, the protocol client constructs the following **SOAP message**:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SendClientScriptErrorReport
xmlns="http://schemas.microsoft.com/sharepoint/diagnostics/">
        <message>'null'%20is%20null%20or%20not%20an%20object</message>
        <file>init.debug.js</file>
        <line>407</line>
        <client>
                &lt;client&gt;
                &lt;browser name=&quot;Microsoft Internet Explorer&quot;
version=&quot;7&quot;/&gt;
                &lt;useragent&gt;Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0;
Trident/4.0; SLCC1; .NET CLR 2.0.50727; .NET CLR 1.1.4322; .NET CLR 3.5.30729; .NET CLR
3.0.30618; MS-RTC LM 8; InfoPath.2)&lt;/useragent&gt;
                &lt;language&gt;en-us&lt;/language&gt;
&lt;location&gt;http://www.example.com/SitePages/Home.aspx&lt;/location&gt;
                &lt;/client&gt;
        </client>
        <stack>
                &lt;stack&gt;
                &lt;function depth=&quot;0&quot; signature=&quot;CancelEvent(e)&quot;&gt;
                &lt;![CDATA[function CancelEvent(e) {
                  ULSxSy:;
                  e.cancelBubble=true;
                  if(e.preventDefault)
                    e.preventDefault();
                  if(e.stopPropogation)
                    e.stopPropogation();
                  e.returnValue=false;
                  return false;
                }]]&gt;
                &lt;argument name=&quot;e&quot;
type=&quot;object&quot;&gt;{undefined}&lt;/argument&gt;
            </stack>
        <team>Example</team>
        <originalFile>init.debug.js</originalFile>
    </SendClientScriptErrorReport>
  </soap:Body>
</soap:Envelope>
```

The protocol server then responds with the following:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
  <SendClientScriptErrorReportResponse
xmlns="http://schemas.microsoft.com/sharepoint/diagnostics/">
    <SendClientScriptErrorReportResult>Example
    14.0.4020
```

```
     407
     'null' is null or not an object
     Microsoft Internet Explorer
     7
     init.debug.js  CancelEvent
    </SendClientScriptErrorReportResult>
  </SendClientScriptErrorReportResponse>
  </soap:Body>
 </soap:Envelope>
```

5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.

6 Appendix A: Full WSDL

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

```xml
<?xml version="1.0"?>
<wsdl:definitions xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://schemas.microsoft.com/sharepoint/diagnostics/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
targetNamespace="http://schemas.microsoft.com/sharepoint/diagnostics/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:documentation>SharePoint Diagnostics Web Service</wsdl:documentation>
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/sharepoint/diagnostics/">
      <xs:element name="SendClientScriptErrorReport">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="message" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="file" type="xs:string"/>
            <xs:element minOccurs="1" maxOccurs="1" name="line" type="xs:int"/>
            <xs:element minOccurs="0" maxOccurs="1" name="client" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="stack" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="team" type="xs:string"/>
            <xs:element minOccurs="0" maxOccurs="1" name="originalFile" type="xs:string"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="SendClientScriptErrorReportResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="SendClientScriptErrorReportResult"
type="xs:string"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:schema>
  </wsdl:types>
  <wsdl:portType name="SharePointDiagnosticsSoap">
    <wsdl:operation name="SendClientScriptErrorReport">
      <wsdl:input message="tns:SendClientScriptErrorReportSoapIn"/>
      <wsdl:output message="tns:SendClientScriptErrorReportSoapOut"/>
    </wsdl:operation>
  </wsdl:portType>
  <wsdl:binding name="SharePointDiagnosticsSoap" type="tns:SharePointDiagnosticsSoap">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="SendClientScriptErrorReport">
    <soap:operation
soapAction="http://schemas.microsoft.com/sharepoint/diagnostics/SendClientScriptErrorReport"
style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>
```

```
  <wsdl:binding name="SharePointDiagnosticsSoap12" type="tns:SharePointDiagnosticsSoap">
    <soap12:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="SendClientScriptErrorReport">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/diagnostics/SendClientScriptErrorReport"
style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>
  <wsdl:message name="SendClientScriptErrorReportSoapIn">
    <wsdl:part name="parameters" element="tns:SendClientScriptErrorReport"/>
  </wsdl:message>
  <wsdl:message name="SendClientScriptErrorReportSoapOut">
    <wsdl:part name="parameters" element="tns:SendClientScriptErrorReportResponse"/>
  </wsdl:message>
</wsdl:definitions>
```

7   Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft SharePoint Foundation 2010

- Microsoft SharePoint Foundation 2013

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

<1> Section 3.1.4.1.2.1: The string SHOULD be a valid XML fragment when all the predefined entities are replaced by their character references per XML Specification. SharePoint Foundation 2010 looks specifically for the following nodes (expressed using [XPATH] notation): `client/browser/@name`, `client/browser/@version`, and `client/language`. Other nodes in the XML fragment are ignored.

<2> Section 3.1.4.1.2.1: The string SHOULD be a valid XML fragment when all the predefined entities are replaced by their character references per XML Specification. SharePoint Foundation 2010 looks specifically for the following node (expressed using [XPATH] notation): `stack/function[@depth="0"]/@signature`. Other nodes in the XML fragment are ignored.

8 Change Tracking

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

9 Index

T

Timer events
    server 15
Timers
    server 12
Tracking changes 22
Transport 10
Types
    complex 11
    simple 11

V

Vendor-extensible fields 9
Versioning 8

W

WSDL 19