

# [MS-OFFICIALFILE]: Official File Web Service Protocol Specification

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## Revision Summary

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Preliminary

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# 1 Introduction

This document specifies the Official File Web Service Protocol, which enables the submission of files to a repository.

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

## 1.1 Glossary

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

**GUID**  
**Hypertext Transfer Protocol (HTTP)**  
**Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**

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

**audit log**  
**base64 encoding**  
**data type**  
**document set**  
**field**  
**legal hold**  
**login name**  
**Simple Object Access Protocol (SOAP)**  
**site**  
**SOAP action**  
**SOAP body**  
**SOAP fault**  
**Uniform Resource Locator (URL)**  
**URL encode**  
**Web Services Description Language (WSDL)**  
**WSDL message**  
**WSDL operation**  
**XML namespace**  
**XML namespace prefix**  
**XML schema**

The following terms are specific to this document:

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

## 1.2 References

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

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[MS-WSSTS] Microsoft Corporation, "[Windows SharePoint Services Technical Specification](#)".

[RFC1123] Braden, R., "Requirements for Internet Hosts - Application and Support", STD 3, RFC 1123, October 1989, <http://www.ietf.org/rfc/rfc1123.txt>

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

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

### 1.2.2 Informative References

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

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

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

### 1.3 Protocol Overview (Synopsis)

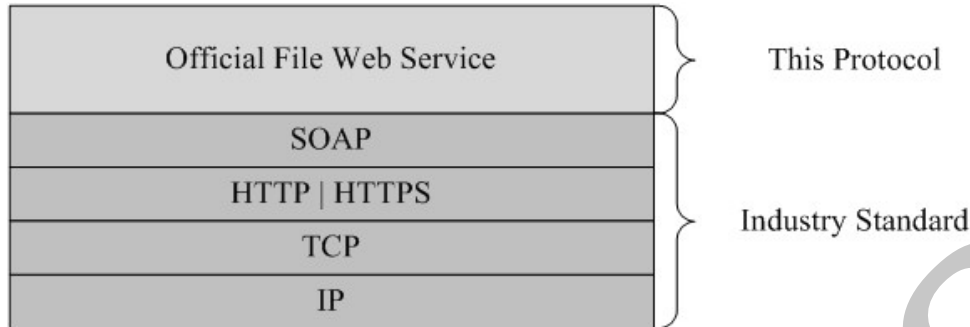
This protocol enables a protocol client to submit a file and its associated properties to a repository for storage. It also provides the ability to retrieve data about the repository, such as its type, version, and the rules that determine the appropriate storage location for each file type.



## 1.4 Relationship to Other Protocols

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

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



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

## 1.5 Prerequisites/Preconditions

This protocol operates against a repository that is identified by a **URL** that is known by protocol clients. The protocol server endpoint is formed by appending "/\_vti\_bin/OfficialFile.asmx " to the URL of the repository, for example, [http://www.contoso.com/\\_vti\\_bin/OfficialFile.asmx](http://www.contoso.com/_vti_bin/OfficialFile.asmx).

This protocol assumes that authentication has been performed by the underlying protocols.

## 1.6 Applicability Statement

This protocol is designed for submission of files less than 50 megabytes in size to the protocol server.

## 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

**Supported Transports:** This protocol uses multiple transports with SOAP as described in section [2.1](#).

## 1.8 Vendor-Extensible Fields

None.

## 1.9 Standards Assignments

None.

## 2 Messages

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The **WSDL** in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

### 2.1 Transport

Protocol servers **MUST** support SOAP over HTTP. Protocol servers **SHOULD** additionally support SOAP over HTTPS for securing communication with clients.

Protocol messages **MUST** be formatted as specified either in [\[SOAP1.1\]](#) (Section 4, SOAP Envelope) or in [\[SOAP1.2/1\]](#) (Section 5, SOAP Message Construct). Protocol server faults **MUST** be returned either using HTTP status codes as specified in [\[RFC2616\]](#) (Section 10, Status Code Definitions) or using **SOAP faults** as specified either in [\[SOAP1.1\]](#) (Section 4.4, SOAP Fault) or in [\[SOAP1.2/1\]](#) (Section 5.4, SOAP Fault).

### 2.2 Common Message Syntax

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

#### 2.2.1 Namespaces

This specification defines and references **XML namespaces** using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates an **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. The following table describes these namespaces.

Prefix	Namespace URI	Reference
(none)	<a href="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">http://schemas.microsoft.com/sharepoint/soap/recordsrepository/</a>	
soap	<a href="http://schemas.xmlsoap.org/wsdl/soap/">http://schemas.xmlsoap.org/wsdl/soap/</a>	<a href="#">[SOAP1.1]</a>
tns	<a href="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">http://schemas.microsoft.com/sharepoint/soap/recordsrepository/</a>	
s	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a> <a href="#">[XMLSCHEMA2]</a>
soap12	<a href="http://schemas.xmlsoap.org/wsdl/soap12/">http://schemas.xmlsoap.org/wsdl/soap12/</a>	<a href="#">[SOAP1.2/1]</a> <a href="#">[SOAP1.2/2]</a>
wsdl	<a href="http://schemas.xmlsoap.org/wsdl/">http://schemas.xmlsoap.org/wsdl/</a>	<a href="#">[WSDL]</a>
xs	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a> <a href="#">[XMLSCHEMA2]</a>
s1, q1, q2	<a href="http://microsoft.com/wsdl/types/">http://microsoft.com/wsdl/types/</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
ArrayOfRecordsRepositoryProperty	A list of properties associated with the file being submitted.
RecordsRepositoryProperty	A property of the file being submitted.

### 2.2.4.1 ArrayOfRecordsRepositoryProperty

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

A list of properties associated with the file being submitted.

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

**RecordsRepositoryProperty:** A property of the file being submitted.

### 2.2.4.2 RecordsRepositoryProperty

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

A property of the file being submitted.

```
<xs:complexType name="RecordsRepositoryProperty">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DisplayName" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Value" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Type" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Other" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**Name:** The name of the property, which MUST be non-empty and MUST be less than or equal to 256 characters in length. The properties described in the following table are common.

Value	Meaning
_dlc_hold_url	The URL of the location where a <b>legal hold</b> is defined. <b>Type</b> MUST be set to "OfficialFileCustomType".
_dlc_hold_id	The identifier of a legal hold, which MUST be a positive integer. <b>Type</b> MUST be set to "OfficialFileCustomType".
_dlc_hold_comments	A human readable comment associated with the legal hold. <b>Type</b> MUST be set to "OfficialFileCustomType".
_dlc_hold_searchquery	A search query associated with the legal hold. <b>Type</b> MUST be set to "OfficialFileCustomType".
_dlc_hold_searchcontexturl	The implementation-specific<1> identifier of the location where the search query associated with the legal hold was performed. <b>Type</b> MUST be set to "OfficialFileCustomType".
AuditHistory	The implementation-specific <b>audit log</b> for the file. <b>Type</b> MUST be set to XML.

**DisplayName:** Display name of the property. This element SHOULD<2> be present. If present, it MUST be non-empty and MUST be less than or equal to 256 characters in length.

**Value:** The value of the property, which is a value appropriate for the **Type** as specified for this property or a string if **Type** is "OfficialFileCustomType". If **Type** is DateTime, then the value SHOULD<3> be formatted as specified in [RFC1123].

**Type:** The type of the property, which MUST be a valid **data type**, a value from the **Field Types** as specified in [MS-WSSTS] section 2.3 or XML or "OfficialFileCustomType".

**Other:** Other related data. If **Name** is set to "AuditHistory", this is the implementation-specific audit log for the file. Otherwise, this element is reserved and MUST be empty.

### 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.

### 2.2.9 Common Data Structures

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

## 3 Protocol Details

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

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 using either HTTP status codes or SOAP faults, as specified previously in this section.

### 3.1 Official File Server Details

#### 3.1.1 Abstract Data Model

This section specifies 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 is a repository that maintains multiple storage locations where files and their associated properties can be stored. Storage locations can require a set of zero or more required properties that are stored with each file in that location. Certain of these storage locations can be configured to enforce that content submissions be routed by the protocol server. The protocol server maintains one storage location as a temporary storage location, for example, for content pending additional user interaction.

The protocol server maintains a list of users that are authorized to submit files to the repository.

The protocol server maintains a list of rules that specify file types and the location where files of those types are stored. There MUST be one or more rules, and exactly one rule MUST be configured as the default.

The protocol server maintains various configuration settings, such as whether file metadata is parsed from the contents of submitted files and what to do when a name collision occurs.

#### 3.1.2 Timers

None.

### 3.1.3 Initialization

None.

### 3.1.4 Message Processing Events and Sequencing Rules

This specification includes the following **WSDL operations**:

WSDL Operation	Description
GetFinalRoutingDestinationFolderUrl	This method<4> is called to determine the storage location for the submission based on the rules in the repository and a suggested save location chosen by a user.
GetHoldsInfo	This method<5> is called to retrieve information about the legal holds in a repository.
GetRecordRouting	This method is deprecated and MUST NOT be called.
GetRecordRoutingCollection	This method is deprecated and MUST NOT be called.
GetServerInfo	This method is called to retrieve information about the repository, such as its type, version, and whether the repository is configured for routing.
SubmitFile	This method is called to submit a file and its associated properties to the repository.

#### 3.1.4.1 GetFinalRoutingDestinationFolderUrl

This method<6> is called to determine the storage location for the submission based on the rules in the repository and a suggested save location chosen by a user.

```
<wsdl:operation name="GetFinalRoutingDestinationFolderUrl">
  <wsdl:input message="tns:GetFinalRoutingDestinationFolderUrlSoapIn"/>
  <wsdl:output message="tns:GetFinalRoutingDestinationFolderUrlSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetFinalRoutingDestinationFolderUrlSoapIn** request WSDL message, and the protocol server MUST respond with a **GetFinalRoutingDestinationFolderUrlSoapOut** response WSDL message, as follows:

1. If the repository is not configured for routing content then the protocol server MUST set the **ResultType** element to "DocumentRoutingDisabled" and return.
2. If the **originalSaveLocation** is a storage location for a **document set**, then the protocol server MUST set the **ResultType** element to "OriginalSaveLocationIsDocumentSet" and return.
3. If the **originalSaveLocation** is a storage location for which routing is not enforced, then the protocol server MUST set the **ResultType** element to "NoEnforcementAtOriginalSaveLocation" and return.
4. If the **contentTypeName** is NULL or empty then the protocol server MUST set the **ResultType** element to "MissingRequiredProperties" and return.

5. Next the protocol server processes the rules in an implementation-specific manner based on the submission's **properties**, **contentTypeName**, and **originalSaveLocation** to determine the storage location for the submission.
6. If no applicable rule is found then the protocol server MUST set the **ResultType** element to "SuccessToDropOffLibrary" and set the **Url** to the temporary storage location and return.
7. If the protocol server determines that the storage location determined by the rules has required properties that are not present in the **properties** element, the protocol server MUST set the **ResultType** element to "SuccessToDropOffLibrary", set the **Url** to the temporary storage location and return.
8. If the user does not have permissions to store content in the storage location determined by the rules, then the protocol server MUST set **ResultType** to "PermissionDeniedAtDestination" and **Url** to the temporary storage location and return.
9. If other implementation-specific errors occur while determining the storage location for the submission, the protocol server MUST set the **ResultType** element to "UnknownFailure" and return.
10. Otherwise, the protocol server sets **Url** to the storage location determined by the rules, which MUST be non-empty.
11. If parsing of file metadata is disabled on the repository, the protocol server MUST set the **ResultType** to "ParsingDisabledAtDestination". Otherwise the protocol server MUST set the **ResultType** to "Success".
12. If a file with the same name does not already exist at the location determined by the rule then the protocol server MUST set **CollisionSetting** to "NoCollision" and return. If the repository is configured to overwrite existing files and versioning is enabled at the location determined by the rule, then the protocol server MUST set **CollisionSetting** to "UseSharePointVersioning" and return. Otherwise the protocol server MUST set **CollisionSetting** to "AppendUniqueSuffixes".

#### 3.1.4.1.1 Messages

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

##### 3.1.4.1.1.1 GetFinalRoutingDestinationFolderUrlSoapIn

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

The **SOAP action** value is:

```
http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetFinalRoutingDestinationFolderUrl
```

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

##### 3.1.4.1.1.2 GetFinalRoutingDestinationFolderUrlSoapOut

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

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

### 3.1.4.1.2 Elements

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

#### 3.1.4.1.2.1 GetFinalRoutingDestinationFolderUrl

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

```
<xs:element name="GetFinalRoutingDestinationFolderUrl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="properties"
type="tns:ArrayOfRecordsRepositoryProperty"/>
      <xs:element minOccurs="0" maxOccurs="1" name="contentTypeName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="originalSaveLocation" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**properties:** The properties of the file.

**contentTypeName:** The file type, which MUST be less than or equal to 128 characters in length.

**originalSaveLocation:** The suggested save location chosen by a user, which MUST be a non-empty URL.

#### 3.1.4.1.2.2 GetFinalRoutingDestinationFolderUrlResponse

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

```
<xs:element name="GetFinalRoutingDestinationFolderUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1"
name="GetFinalRoutingDestinationFolderUrlResult" type="tns:DocumentRoutingResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFinalRoutingDestinationFolderUrlResult:** Data details about the result, which is an XML fragment that MUST conform to the XML schema of the **DocumentRoutingResult** complex type.

### 3.1.4.1.3 Complex Types

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

#### 3.1.4.1.3.1 DocumentRoutingResult

**Namespace:** <http://schemas.microsoft.com/sharepoint/soap/recordsrepository/>

Result data details for a **GetFinalRoutingDestinationFolderUrl** WSDL operation.

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



```

    <xs:element minOccurs="1" maxOccurs="1" name="ResultType"
type="tns:DocumentRoutingResultType"/>
    <xs:element minOccurs="1" maxOccurs="1" name="CollisionSetting"
type="tns:DocumentRoutingCollisionSetting"/>
  </xs:sequence>
</xs:complexType>

```

**Url:** An implementation-specific URL to the storage location for the submission.

**ResultType:** The result of the **GetFinalRoutingDestinationFolderUrl** WSDL operation.

**CollisionSetting:** Collision setting, that is, whether there was a file of the same name already stored at the storage location and, if so, the server configured behavior.

### 3.1.4.1.4 Simple Types

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

#### 3.1.4.1.4.1 DocumentRoutingResultType

**Namespace:** <http://schemas.microsoft.com/sharepoint/soap/recordsrepository/>

Type of result.

```

<xs:simpleType name="DocumentRoutingResultType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Success"/>
    <xs:enumeration value="SuccessToDropOffLibrary"/>
    <xs:enumeration value="MissingRequiredProperties"/>
    <xs:enumeration value="NoMatchingRules"/>
    <xs:enumeration value="DocumentRoutingDisabled"/>
    <xs:enumeration value="PermissionDeniedAtDestination"/>
    <xs:enumeration value="ParsingDisabledAtDestination"/>
    <xs:enumeration value="OriginalSaveLocationIsDocumentSet"/>
    <xs:enumeration value="NoEnforcementAtOriginalSaveLocation"/>
    <xs:enumeration value="UnknownFailure"/>
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for DocumentRoutingResultType:

Value	Meaning
Success	The operation was successful.
SuccessToDropOffLibrary	The operation was successful and the location determined by the protocol server is the temporary storage location.
MissingRequiredProperties	Additional data required from the protocol client.
NoMatchingRules	Reserved. Protocol server MUST not return this result.
DocumentRoutingDisabled	Routing is not enabled on the repository
PermissionDeniedAtDestination	Implementation-specific error validating permissions for the user at the storage location.

Value	Meaning
ParsingDisabledAtDestination	Parsing is not enabled on the repository.
OriginalSaveLocationIsDocumentSet	The originalSaveLocation is a storage location for storing document sets.
NoEnforcementAtOriginalSaveLocation	The originalSaveLocation is a storage location for which routing is not enforced.
UnknownFailure	Generic error.

### 3.1.4.1.4.2 DocumentRoutingCollisionSetting

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

Collision setting for the repository, that is, whether there was a file of the same name already stored at the storage location and, if so, the server configured behavior.

```
<xs:simpleType name="DocumentRoutingCollisionSetting">
  <xs:restriction base="xs:string">
    <xs:enumeration value="NoCollision"/>
    <xs:enumeration value="UseSharePointVersioning"/>
    <xs:enumeration value="AppendUniqueSuffixes"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for DocumentRoutingCollisionSetting:

Value	Meaning
NoCollision	There was no file of the same name already stored at the storage location.
UseSharePointVersioning	Overwrite the existing file.
AppendUniqueSuffixes	Generate a unique file name.

### 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 GetHoldsInfo

This method [<?>](#) is called to retrieve information about the legal holds in a repository.

```
<wsdl:operation name="GetHoldsInfo">
  <wsdl:input message="tns:GetHoldsInfoSoapIn"/>
```

```
<wsdl:output message="tns:GetHoldsInfoSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetHoldsInfoSoapIn** request WSDL message and the protocol server MUST respond with a **GetHoldsInfoSoapOut** response WSDL message as follows.

- The protocol server returns the data associated with the legal holds in the repository in the **GetHoldsInfoResult** element.

### 3.1.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.2.1.1 GetHoldsInfoSoapIn

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

The SOAP action value is:

```
http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetHoldsInfo
```

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

#### 3.1.4.2.1.2 GetHoldsInfoSoapOut

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

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

### 3.1.4.2.2 Elements

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

#### 3.1.4.2.2.1 GetHoldsInfo

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

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

#### 3.1.4.2.2.2 GetHoldsInfoResponse

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

```
<xs:element name="GetHoldsInfoResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetHoldsInfoResult"
        type="ArrayOfHoldInfo"/>
    </xs:sequence>
  </xs:complexType>
```

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

**GetHoldsInfoResult:** A list of legal holds.

### 3.1.4.2.3 Complex Types

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

#### 3.1.4.2.3.1 ArrayOfHoldInfo

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

A list of legal holds.

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

**HoldInfo:** A legal hold.

#### 3.1.4.2.3.2 HoldInfo

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

A legal hold.

```
<xs:complexType name="HoldInfo">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Description" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ManagedBy" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="RepositoryName" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DiscoveryQueries" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Id" type="xs:int"/>
    <xs:element minOccurs="1" maxOccurs="1" name="ListId"
      xmlns:q1="http://microsoft.com/wsdl/types/" type="q1:guid"/>
    <xs:element minOccurs="1" maxOccurs="1" name="WebId"
      xmlns:q2="http://microsoft.com/wsdl/types/" type="q2:guid"/>
  </xs:sequence>
</xs:complexType>
```

**Url:** URL of the legal hold, which MUST be non-empty.

**Title:** Title of the legal hold.

**Description:** Description of the legal hold.

**ManagedBy:** Name of the person managing the legal hold.

**RepositoryName:** Name of the container that contains the legal hold.

**DiscoveryQueries:** Textual search queries associated with the legal hold.

**Id:** Identifier of the legal hold, which MUST be a positive integer.

**ListId:** Identifier of the storage location of the legal hold, which MUST be a **GUID**.

**WebId:** Identifier of the repository that contains the legal hold, which MUST be a GUID.

#### 3.1.4.2.4 Simple Types

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

##### 3.1.4.2.4.1 guid

**Namespace:** http://microsoft.com/wsdl/types/

A GUID.

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

##### 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 GetRecordRouting

This method is deprecated and MUST NOT be called.

```
<wsdl:operation name="GetRecordRouting">
  <wsdl:input message="tns:GetRecordRoutingSoapIn"/>
  <wsdl:output message="tns:GetRecordRoutingSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRecordRoutingSoapIn** request WSDL message and the protocol server MUST respond with a **GetRecordRoutingSoapOut** response WSDL message, as follows:

The protocol server returns an implementation-specific value in the **GetRecordRoutingResult** element that MUST be ignored.

### 3.1.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.3.1.1 GetRecordRoutingSoapIn

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

The SOAP action value is:

```
http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetRecordRouting
```

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

#### 3.1.4.3.1.2 GetRecordRoutingSoapOut

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

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

### 3.1.4.3.2 Elements

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

#### 3.1.4.3.2.1 GetRecordRouting

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

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

**recordRouting:** The file type.

#### 3.1.4.3.2.2 GetRecordRoutingResponse

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

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

**GetRecordRoutingResult:** Implementation-specific result data.

### 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 GetRecordRoutingCollection

This method is deprecated and MUST NOT be called.

```
<wsdl:operation name="GetRecordRoutingCollection">
  <wsdl:input message="tns:GetRecordRoutingCollectionSoapIn"/>
  <wsdl:output message="tns:GetRecordRoutingCollectionSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetRecordRoutingCollectionSoapIn** request WSDL message, and the protocol server MUST respond with a **GetRecordRoutingCollectionSoapOut** response WSDL message, as follows:

- The protocol server returns an implementation-specific value in the **GetRecordRoutingCollectionResult** element that MUST be ignored.

#### 3.1.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.4.1.1 GetRecordRoutingCollectionSoapIn

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

The SOAP action value is:

```
http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetRecordRoutingCollection
```

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

##### 3.1.4.4.1.2 GetRecordRoutingCollectionSoapOut

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

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

#### 3.1.4.4.2 Elements

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

##### 3.1.4.4.2.1 GetRecordRoutingCollection

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

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

##### 3.1.4.4.2.2 GetRecordRoutingCollectionResponse

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

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

**GetRecordRoutingCollectionResult:** Implementation-specific result data.

##### 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 GetServerInfo

This method is called to retrieve information about the repository, such as its type, version, and whether the repository is configured for routing.



```
<wsdl:operation name="GetServerInfo">
  <wsdl:input message="tns:GetServerInfoSoapIn"/>
  <wsdl:output message="tns:GetServerInfoSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **GetServerInfoSoapIn** request WSDL message, and the protocol server MUST respond with a **GetServerInfoSoapOut** response WSDL message, as follows:

- The protocol server MUST return implementation-specific [<8>](#) information for the protocol server in the **ServerInfo** element.

### 3.1.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.5.1.1 GetServerInfoSoapIn

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

The SOAP action value is:

```
http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetServerInfo
```

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

#### 3.1.4.5.1.2 GetServerInfoSoapOut

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

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

### 3.1.4.5.2 Elements

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

#### 3.1.4.5.2.1 GetServerInfo

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

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

#### 3.1.4.5.2.2 GetServerInfoResponse

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

```
<xs:element name="GetServerInfoResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetServerInfoResult" type="ServerInfo"/>
    </xs:sequence>
  </xs:complexType>
```

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

**GetServerInfoResult:** Type and version information for a protocol server, which MUST be an XML fragment that conforms to the XML schema of the **ServerInfo** complex type.

### 3.1.4.5.3 Complex Types

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

#### 3.1.4.5.3.1 ServerInfo

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

Server information.

```
<xs:complexType name="ServerInfo">
  <xs:sequence>
    <xs:element name="ServerType" type="xs:string"/>
    <xs:element name="ServerVersion" type="xs:string"/>
    <xs:element name="RoutingWeb" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**ServerType:** The type information for the protocol server. MUST be non-empty and MUST be less than or equal to 256 characters in length and MUST be HTML encoded.

**ServerVersion:** The version information for the protocol server. MUST be non-empty and MUST be less than or equal to 256 characters in length and MUST be HTML encoded.

**RoutingWeb:** Whether the protocol server is configured for routing. This element SHOULD [<9>](#) be present. If present, it MUST conform to the XML schema of the **BooleanType** simple type.

#### 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 SubmitFile

This method is called to submit a file and its associated properties to the repository.

```
<wsdl:operation name="SubmitFile">
```

```
<wsdl:input message="tns:SubmitFileSoapIn"/>
<wsdl:output message="tns:SubmitFileSoapOut"/>
</wsdl:operation>
```

The protocol client sends a **SubmitFileSoapIn** request WSDL message, and the protocol server MUST respond with a **SubmitFileSoapOut** response WSDL message, as follows:

1. If the user is not in the list of users authorized to submit files to the repository, the protocol server MUST set the **ResultCode** element to "NotFound" and return.
2. If required parameters were not specified, the protocol server MUST set the **ResultCode** to InvalidArgument and return.
3. If the protocol server determines that the file cannot be submitted to the repository using an implementation-specific [<10>](#) algorithm, the protocol server MUST set the **ResultCode** element to FileRejected and return.
4. If the protocol server determines that the repository is not configured for routing, the protocol server MUST set the **ResultCode** element to "InvalidRouterConfiguration" and return.
5. The protocol server processes the rules in an implementation-specific manner based on the submission's **properties** and **recordRouting** to determine the storage location for the submission.
6. If no applicable rule is found:
  1. The protocol server sets the **ResultCode** element to MoreInformation.
  2. The protocol server MUST set the **ResultUrl** element to an implementation-specific URL to enter more information about the submission.
  3. The protocol server SHOULD [<11>](#) set the **CustomProcessingResult.HoldsProcessingResult** element to InDropOffZone.
  4. The protocol server uses the temporary storage location.
7. If the protocol server determines that the storage location determined by the rules has required properties that are not present in the **properties** element:
  1. If the protocol server determines that the name of the user specified in the **userName** element is invalid using an implementation-specific validation algorithm, then the protocol server MUST set the **ResultCode** element to InvalidUser and return.
  2. Otherwise, the protocol server MUST set the **ResultCode** element to MoreInformation and the **ResultUrl** element to an implementation-specific URL to enter more information about the submission and SHOULD [<12>](#) set the **CustomProcessingResult.HoldsProcessingResult** element to InDropOffZone. The protocol server uses the temporary storage location.
8. The protocol server stores the file in the storage location.
9. If implementation-specific errors occur while determining the storage location for the submission or while storing the file, the protocol server MUST set the **ResultCode** element to UnknownError and return.
10. Otherwise, the protocol server MUST set the **ResultCode** element to Success and SHOULD [<13>](#) set the **ResultUrl** element to a non-empty HTML encoded URL to retrieve the stored file.

- 11.If the file has been stored in the temporary storage location, the server returns.
- 12.If the **properties** element contains all of the following properties, then the protocol server sets the implementation-specific metadata that indicates the file is placed on the appropriate legal hold. The protocol server SHOULD [<14>](#) set the **CustomProcessingResult.HoldsProcessingResult** element to Success.
  - \_dlc\_hold\_url
  - \_dlc\_hold\_comments
  - \_dlc\_hold\_id
  - \_dlc\_hold\_searchquery
  - \_dlc\_hold\_searchcontexturl
- 13.If, however, at least one but not all of the properties mentioned previously are contained in the **properties** element, then the protocol server SHOULD [<15>](#) set the **CustomProcessingResult.HoldsProcessingResult** element to Failure.
- 14.If none of the properties mentioned previously are contained in the **properties** element then the protocol server MUST NOT set **CustomProcessingResult.HoldsProcessingResult**.

#### 3.1.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.6.1.1 SubmitFileSoapIn

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

The SOAP action value is:

```
http://schemas.microsoft.com/sharepoint/soap/recordsrepository/SubmitFile
```

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

##### 3.1.4.6.1.2 SubmitFileSoapOut

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

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

#### 3.1.4.6.2 Elements

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

##### 3.1.4.6.2.1 SubmitFile

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

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

```

    <xs:element minOccurs="0" maxOccurs="1" name="fileToSubmit" type="xs:base64Binary"/>
    <xs:element minOccurs="0" maxOccurs="1" name="properties"
type="tns:ArrayOfRecordsRepositoryProperty"/>
    <xs:element minOccurs="0" maxOccurs="1" name="recordRouting" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="sourceUrl" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="userName" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**fileToSubmit:** The contents of the file, which MUST be non-empty and MUST be encoded with **base64 encoding**.

**properties:** The properties of the file. MUST not be null.

**recordRouting:** The file type, which MUST be less than or equal to 128 characters in length. MUST not be null or empty.

**sourceUrl:** The source URL of the file, which MUST be non-empty and MUST be **URL-encoded**.

**userName:** The name of the user submitting the file, which MUST be non-empty and MUST be a **login name**. The value SHAREPOINT\system (case-insensitive) is reserved and SHOULD NOT [<16>](#) be used.

### 3.1.4.6.2.2 SubmitFileResponse

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

```

<xs:element name="SubmitFileResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="SubmitFileResult"
type="SubmitFileResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**SubmitFileResult:** Data details about the result, which is a string of an encoded XML fragment that MUST conform to the XML schema of the **SubmitFileResult** complex type.

### 3.1.4.6.3 Complex Types

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

#### 3.1.4.6.3.1 SubmitFileResult

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

The detailed data result for the **SubmitFile** WSDL operation.

```

<xs:complexType name="SubmitFileResult">
  <xs:sequence>
    <xs:element name="ResultCode" type="tns:SubmitFileResultCode"/>
    <xs:choice>
      <xs:element name="ResultUrl" type="xs:anyURI"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>

```

```

    <xs:element name="AdditionalInformation" type="xs:string"/>
  </xs:choice>
  <xs:element name="CustomProcessingResult" type="tns:CustomProcessingResult"/>
</xs:sequence>
</xs:complexType>

```

**ResultCode:** The result of the **SubmitFile** WSDL operation.

**ResultUrl:** The URL of the file after the **SubmitFile** WSDL operation.

**AdditionalInformation:** Additional information specific to the **ResultCode** element value as specified in section [3.1.4.6](#).

**CustomProcessingResult:** The result of custom file processing.

### 3.1.4.6.3.2 CustomProcessingResult

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

The result of custom processing of a legal hold.

```

<xs:complexType name="CustomProcessingResult">
  <xs:sequence>
    <xs:element name="HoldProcessingResult" type="tns:HoldProcessingResult"/>
  </xs:sequence>
</xs:complexType>

```

**HoldProcessingResult:** The result of processing a legal hold.

### 3.1.4.6.4 Simple Types

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

#### 3.1.4.6.4.1 SubmitFileResultCode

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

The result status code of a **SubmitFile** WSDL operation.

```

<xs:simpleType name="SubmitFileResultCode">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Success"/>
    <xs:enumeration value="MoreInformation"/>
    <xs:enumeration value="InvalidArgument"/>
    <xs:enumeration value="InvalidRouterConfiguration"/>
    <xs:enumeration value="NotFound"/>
    <xs:enumeration value="FileRejected"/>
    <xs:enumeration value="UnknownError"/>
    <xs:enumeration value="FileExists"/>
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for SubmitFileResultCode:

Value	Meaning
Success	The operation is successful.
MoreInformation	The operation is successful but further action is needed.
InvalidArgument	The operation failed because of an invalid argument.
InvalidRouterConfiguration	The operation failed because the repository was not configured for routing.
NotFound	The operation failed because the user was not authorized to submit files.
FileRejected	The operation failed because of a rejected file.
UnknownError	The operation failed because of an unknown error.
FileExists	The file was already present at the location determined by the protocol server.

#### 3.1.4.6.4.2 HoldProcessingResult

**Namespace:** http://schemas.microsoft.com/sharepoint/soap/recordsrepository/

The result of processing a legal hold.

```
<xs:simpleType name="HoldProcessingResult">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Success"/>
    <xs:enumeration value="Failure"/>
    <xs:enumeration value="InDropOffZone"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for HoldProcessingResult:

Value	Meaning
Success	The processing of a legal hold is successful.
Failure	The processing of a legal hold failed.
InDropOffZone	The file has been stored in the temporary storage location.

#### 3.1.4.6.5 Attributes

None.

#### 3.1.4.6.6 Groups

None.

#### 3.1.4.6.7 Attribute Groups

None.

### **3.1.5 Timer Events**

None.

### **3.1.6 Other Local Events**

None.

Preliminary



## 4 Protocol Examples

A protocol client might construct the following WSDL message to find the exact final destination location for file with three properties that is intended to be stored at "http://www.contoso.com/blue/Blue-Car.jpg" and of file type "Document".

```
<?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>
    <GetFinalRoutingDestinationFolderUrl
xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
      <properties>
        <RecordsRepositoryProperty>
          <Name>Color</Name>
          <DisplayName>Color</DisplayName>
          <Value>blue</Value>
          <Type>Text</Type>
          <Other />
        </RecordsRepositoryProperty>
        <RecordsRepositoryProperty>
          <Name>Title</Name>
          <DisplayName>Title</DisplayName>
          <Value>blue file</Value>
          <Type>Text</Type>
          <Other />
        </RecordsRepositoryProperty>
        <RecordsRepositoryProperty>
          <Name>Name</Name>
          <DisplayName>Name</DisplayName>
          <Value>blue file</Value>
          <Type>Text</Type>
          <Other />
        </RecordsRepositoryProperty>
      </properties>
      <contentTypeName>Document</contentTypeName>
      <originalSaveLocation>http://www.contoso.com/green/Blue-Car.jpg</originalSaveLocation>
    </GetFinalRoutingDestinationFolderUrl>
  </soap:Body>
</soap:Envelope>
```

The protocol server determines the appropriate storage location from the list of configured rules. The protocol server evaluates rules based on the properties of the document if applicable. Once a rule is determined the protocol server returns the data for that final location in the form of the following WSDL message:

```
<?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>
    <GetFinalRoutingDestinationFolderUrlResponse
xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
      <GetFinalRoutingDestinationFolderUrlResult>
        <Url>http://www.contoso.com/blue</Url>
        <ResultType>ParsingDisabledAtDestination</ResultType>
      </GetFinalRoutingDestinationFolderUrlResult>
    </GetFinalRoutingDestinationFolderUrlResponse>
  </soap:Body>
</soap:Envelope>
```

```

    <CollisionSetting>NoCollision</CollisionSetting>
  </GetFinalRoutingDestinationFolderUrlResult>
</GetFinalRoutingDestinationFolderUrlResponse>
</soap:Body>
</soap:Envelope>

```

If the protocol server determines the final location as "http://www.contoso.com/blue" as in previous example but finds that the file "Blue-Car.jpg" already exists at the location then the protocol server might respond with the following WSDL message:

```

<?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>
    <GetFinalRoutingDestinationFolderUrlResponse
xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
      <GetFinalRoutingDestinationFolderUrlResult>
        <Url>http://www.contoso.com/blue</Url>
        <ResultType>Success</ResultType>
        <CollisionSetting>AppendUniqueSuffixes</CollisionSetting>
      </GetFinalRoutingDestinationFolderUrlResult>
    </GetFinalRoutingDestinationFolderUrlResponse>
  </soap:Body>
</soap:Envelope>

```

On receiving this message the protocol client might decide to append a suffix, such as a unique identifier, before placing the file at the determined location. In this case protocol client might save the file as Blue\_123456.jpg at "http://www.contoso.com/blue".

Next, the protocol client might construct the following WSDL message to submit a file named "small.txt" to the repository as a generic "Document" file type with various properties:

```

<?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>
    <SubmitFile xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
      <fileToSubmit>WlpaWlpaWlpaWg</fileToSubmit>
      <properties>
        <RecordsRepositoryProperty>
          <Name>ID</Name>
          <Value>7</Value>
          <Type>Counter</Type>
          <Other/>
        </RecordsRepositoryProperty>
        <RecordsRepositoryProperty>
          <Name>ContentTypeId</Name>
          <Value>0x01010093344DD323F47F48A62CD1F5C002446B</Value>
          <Type>ContentTypeId</Type>
          <Other/>
        </RecordsRepositoryProperty>
        <RecordsRepositoryProperty>
          <Name>ContentType</Name>
          <Value>Document</Value>
        </RecordsRepositoryProperty>
      </properties>
    </SubmitFile>
  </soap:Body>
</soap:Envelope>

```

```

        <Type>Text</Type>
        <Other/>
    </RecordsRepositoryProperty>
    <RecordsRepositoryProperty>
        <Name>Created</Name>
        <Value>1/16/2008 6:18:53 PM</Value>
        <Type>DateTime</Type>
        <Other/>
    </RecordsRepositoryProperty>
    <RecordsRepositoryProperty>
        <Name>vti_modifiedby</Name>
        <Value>CONTOSO\someone</Value>
        <Type>String</Type>
        <Other/>
    </RecordsRepositoryProperty>
</properties>
<recordRouting>Document</recordRouting>
<sourceUrl>http://www.contoso.com/Shared Documents/small.txt</sourceUrl>
    <userName>CONTOSO\someone</userName>
</SubmitFile>
</soap:Body>
</soap:Envelope>

```

The protocol server determines the location in the repository to store the file using the rule for the "Document" file type and successfully stores the file there. The protocol server then responds with the following WSDL message:

```

<?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><SubmitFileResponse
    xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
    <SubmitFileResult>&lt;ResultCode&gt;Success&lt;/ResultCode&gt; &lt;AdditionalInformation&gt;ht
  tp://www.contoso.com/sites/RC/MyDocuments/2008-01-17T08-50-
  50Z/small_T2CO2V.txt&lt;/AdditionalInformation&gt;</SubmitFileResult>
    </SubmitFileResponse>
  </soap:Body>
</soap:Envelope>

```

A protocol client might construct the following WSDL message to retrieve information about all the legal holds in the repository.

```

<?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>
    <GetHoldsInfo xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/"
  />
  </soap:Body>
</soap:Envelope>

```

The protocol server returns the data for all legal holds in the repository in the form of the following WSDL message:

```
<?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>
    <GetHoldsInfoResponse
xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
      <GetHoldsInfoResult>
        <HoldInfo>
          <Url>http://www.contoso.com/Lists/Holds/DispForm.aspx?ID=1</Url>
          <Title>Contoso vs. SomeCompany</Title>
          <Description>Court case of Contoso vs. SomeCompany</Description>
          <ManagedBy>Joe</ManagedBy>
          <RepositoryName>Records</RepositoryName>
          <Id>1</Id>
          <ListId>8f5f2a74-4fa6-4072-8227-328ff2b01efd</ListId>
          <WebId>9f0ccd71-0b29-4eb3-b5d1-fe4c58f37f21</WebId>
        </HoldInfo>
        <HoldInfo>
          <Url>http://www.contoso.com/Lists/Holds/DispForm.aspx?ID=2</Url>
          <Title>Contoso litigation</Title>
          <Description>Files on hold for the investigation of the "Contoso
litigation"</Description>
          <ManagedBy>Joe</ManagedBy>
          <RepositoryName>Records</RepositoryName>
          <Id>2</Id>
          <ListId>8f5f2a74-4fa6-4072-8227-328ff2b01efd</ListId>
          <WebId>9f0ccd71-0b29-4eb3-b5d1-fe4c58f37f21</WebId>
        </HoldInfo>
      </GetHoldsInfoResult>
    </GetHoldsInfoResponse>
  </soap:Body>
</soap:Envelope>
```

A protocol client might construct the following WSDL message to submit a file to a repository and place it on a legal hold.

```
<?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>
    <SubmitFile xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
      <fileToSubmit> WlpaWlpaWlpaWg </fileToSubmit>
      <properties>
        <RecordsRepositoryProperty>
          <Name>Color</Name>
          <DisplayName>Color</DisplayName>
          <Value>blue</Value>
          <Type>Text</Type>
          <Other />
        </RecordsRepositoryProperty>
        <RecordsRepositoryProperty>
          <Name>Title</Name>
          <DisplayName>Title</DisplayName>
```

```

    <Value>blue file</Value>
    <Type>Text</Type>
    <Other />
  </RecordsRepositoryProperty>
  <RecordsRepositoryProperty>
    <Name>Name</Name>
    <DisplayName>Name</DisplayName>
    <Value>blue file</Value>
    <Type>Text</Type>
    <Other />
  </RecordsRepositoryProperty>
  <RecordsRepositoryProperty>
    <Name>_dlc_hold_url</Name>
    <DisplayName />
    <Value>http://www.contoso.com/Lists/Holds/DispForm.aspx?ID=1</Value>
    <Type>OfficialFileCustomType</Type>
    <Other />
  </RecordsRepositoryProperty>
  <RecordsRepositoryProperty>
    <Name>_dlc_hold_searchquery</Name>
    <DisplayName />
    <Value>contoso</Value>
    <Type>OfficialFileCustomType</Type>
    <Other />
  </RecordsRepositoryProperty>
  <RecordsRepositoryProperty>
    <Name>_dlc_hold_searchcontexturl</Name>
    <DisplayName />
    <Value>http://www.billing.contoso.com</Value>
    <Type>OfficialFileCustomType</Type>
    <Other />
  </RecordsRepositoryProperty>
  <RecordsRepositoryProperty>
    <Name>_dlc_hold_id</Name>
    <DisplayName />
    <Value>2</Value>
    <Type>OfficialFileCustomType</Type>
    <Other />
  </RecordsRepositoryProperty>
  <RecordsRepositoryProperty>
    <Name>_dlc_hold_comments</Name>
    <DisplayName />
    <Value>contoso case search query</Value>
    <Type>OfficialFileCustomType</Type>
    <Other />
  </RecordsRepositoryProperty>
</properties>
<recordRouting>Document</recordRouting>
<sourceUrl>http://www.contoso.com/bills/blue-2006.doc</sourceUrl>
<userName>redmond\pkmacct</userName>
</SubmitFile>
</soap:Body>
</soap:Envelope>

```

The protocol server returns the result of the operation in the form of the following WSDL message:

```
<?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>
    <SubmitFileResponse
xmlns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/">
      <SubmitFileResult>&lt;ResultCode&gt;Success&lt;/ResultCode&gt;&lt;ResultUrl&gt;http://co745-
15/blue/blue-
2006.doc&lt;/ResultUrl&gt;&lt;CustomProcessingResult&gt;&lt;HoldsProcessingResult&gt;Success&
lt;/HoldsProcessingResult&gt;&lt;/CustomProcessingResult&gt;</SubmitFileResult>
    </SubmitFileResponse>
  </soap:Body>
</soap:Envelope>
```

## 5 Security

### 5.1 Security Considerations for Implementers

This protocol introduces no additional security considerations beyond those applicable to its underlying protocols.

### 5.2 Index of Security Parameters

None.

Preliminary

## 6 Appendix A: Full WSDL

For ease of implementation, the full WSDL and schema are provided in this appendix.

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:s="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:tns="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/"
xmlns:s1="http://microsoft.com/wsdl/types/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
targetNamespace="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:import namespace="http://microsoft.com/wsdl/types/" />
      <xs:element name="GetHoldsInfo">
        <xs:complexType />
      </xs:element>
      <xs:element name="GetHoldsInfoResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetHoldsInfoResult"
type="tns:ArrayOfHoldInfo" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:complexType name="ArrayOfHoldInfo">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="unbounded" name="HoldInfo" nillable="true"
type="tns:HoldInfo" />
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="HoldInfo">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="Description" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="ManagedBy" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="RepositoryName" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="DiscoveryQueries" type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="Id" type="xs:int" />
          <xs:element xmlns:q1="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="ListId" type="q1:guid" />
          <xs:element xmlns:q2="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="WebId" type="q2:guid" />
        </xs:sequence>
      </xs:complexType>
      <xs:element name="GetFinalRoutingDestinationFolderUrl">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="properties"
type="tns:ArrayOfRecordsRepositoryProperty" />
            <xs:element minOccurs="0" maxOccurs="1" name="contentTypeName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="originalSaveLocation"
type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:schema>
  </wsdl:types>

```



```

</xs:element>
<xs:complexType name="ArrayOfRecordsRepositoryProperty">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="RecordsRepositoryProperty"
nillable="true" type="tns:RecordsRepositoryProperty" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="RecordsRepositoryProperty">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="DisplayName" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="Value" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="Type" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="Other" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetFinalRoutingDestinationFolderUrlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1"
name="GetFinalRoutingDestinationFolderUrlResult" type="tns:DocumentRoutingResult" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="DocumentRoutingResult">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="ResultType"
type="tns:DocumentRoutingResultType" />
    <xs:element minOccurs="1" maxOccurs="1" name="CollisionSetting"
type="tns:DocumentRoutingCollisionSetting" />
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="DocumentRoutingResultType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Success" />
    <xs:enumeration value="SuccessToDropOffLibrary" />
    <xs:enumeration value="MissingRequiredProperties" />
    <xs:enumeration value="NoMatchingRules" />
    <xs:enumeration value="DocumentRoutingDisabled" />
    <xs:enumeration value="PermissionDeniedAtDestination" />
    <xs:enumeration value="ParsingDisabledAtDestination" />
    <xs:enumeration value="OriginalSaveLocationIsDocumentSet" />
    <xs:enumeration value="NoEnforcementAtOriginalSaveLocation" />
    <xs:enumeration value="UnknownFailure" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DocumentRoutingCollisionSetting">
  <xs:restriction base="xs:string">
    <xs:enumeration value="NoCollision" />
    <xs:enumeration value="UseSharePointVersioning" />
    <xs:enumeration value="AppendUniqueSuffixes" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="SubmitFile">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="fileToSubmit"
type="xs:base64Binary" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="properties"
type="tns:ArrayOfRecordsRepositoryProperty" />
        <xs:element minOccurs="0" maxOccurs="1" name="recordRouting" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="sourceUrl" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="userName" type="xs:string" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="SubmitFileResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="SubmitFileResult" type="xs:string"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetServerInfo">
    <xs:complexType />
</xs:element>
<xs:element name="GetServerInfoResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetServerInfoResult"
type="ServerInfo" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRecordRoutingCollection">
    <xs:complexType />
</xs:element>
<xs:element name="GetRecordRoutingCollectionResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRecordRoutingCollectionResult"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRecordRouting">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="recordRouting" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRecordRoutingResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRecordRoutingResult"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="CustomProcessingResult">
    <xs:sequence>
        <xs:element name="HoldsProcessingResult" type="tns:HoldProcessingResult"
minOccurs="0" />
    </xs:sequence>
</xs:complexType>

```

```

<xs:complexType name="SubmitFileResult">
  <xs:sequence>
    <xs:element name="ResultCode" type="tns:SubmitFileResultCode" />
    <xs:choice>
      <xs:element name="ResultUrl" type="xs:anyURI" />
      <xs:element name="AdditionalInformation" type="xs:string" />
    </xs:choice>
    <xs:element name="CustomProcessingResult" type="tns:CustomProcessingResult"
minOccurs="0" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ServerInfo">
  <xs:sequence>
    <xs:element name="ServerType" type="xs:string" />
    <xs:element name="ServerVersion" type="xs:string" />
    <xs:element name="RoutingWeb" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="SubmitFileResultCode">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Success"/>
    <xs:enumeration value="MoreInformation"/>
    <xs:enumeration value="InvalidRouterConfiguration"/>
    <xs:enumeration value="InvalidArgument"/>
    <xs:enumeration value="InvalidUser"/>
    <xs:enumeration value="NotFound"/>
    <xs:enumeration value="FileRejected"/>
    <xs:enumeration value="UnknownError"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="HoldProcessingResult">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Success" />
    <xs:enumeration value="Failure" />
    <xs:enumeration value="InDropOffZone" />
  </xs:restriction>
</xs:simpleType>
</xs:schema>
<xs:schema xmlns:tns="http://microsoft.com/wsdl/types/" elementFormDefault="qualified"
targetNamespace="http://microsoft.com/wsdl/types/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="guid">
    <xs:restriction base="xs:string">
      <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-
9a-fA-F]{12}" />
    </xs:restriction>
  </xs:simpleType>
</xs:schema>
</wsdl:types>
<wsdl:message name="GetHoldsInfoSoapIn">
  <wsdl:part name="parameters" element="tns:GetHoldsInfo" />
</wsdl:message>
<wsdl:message name="GetHoldsInfoSoapOut">
  <wsdl:part name="parameters" element="tns:GetHoldsInfoResponse" />
</wsdl:message>
<wsdl:message name="GetFinalRoutingDestinationFolderUrlSoapIn">
  <wsdl:part name="parameters" element="tns:GetFinalRoutingDestinationFolderUrl" />
</wsdl:message>
<wsdl:message name="GetFinalRoutingDestinationFolderUrlSoapOut">

```

```

    <wsdl:part name="parameters" element="tns:GetFinalRoutingDestinationFolderUrlResponse" />
  </wsdl:message>
  <wsdl:message name="SubmitFileSoapIn">
    <wsdl:part name="parameters" element="tns:SubmitFile" />
  </wsdl:message>
  <wsdl:message name="SubmitFileSoapOut">
    <wsdl:part name="parameters" element="tns:SubmitFileResponse" />
  </wsdl:message>
  <wsdl:message name="GetServerInfoSoapIn">
    <wsdl:part name="parameters" element="tns:GetServerInfo" />
  </wsdl:message>
  <wsdl:message name="GetServerInfoSoapOut">
    <wsdl:part name="parameters" element="tns:GetServerInfoResponse" />
  </wsdl:message>
  <wsdl:message name="GetRecordRoutingCollectionSoapIn">
    <wsdl:part name="parameters" element="tns:GetRecordRoutingCollection" />
  </wsdl:message>
  <wsdl:message name="GetRecordRoutingCollectionSoapOut">
    <wsdl:part name="parameters" element="tns:GetRecordRoutingCollectionResponse" />
  </wsdl:message>
  <wsdl:message name="GetRecordRoutingSoapIn">
    <wsdl:part name="parameters" element="tns:GetRecordRouting" />
  </wsdl:message>
  <wsdl:message name="GetRecordRoutingSoapOut">
    <wsdl:part name="parameters" element="tns:GetRecordRoutingResponse" />
  </wsdl:message>
  <wsdl:portType name="OfficialFileSoap">
    <wsdl:operation name="GetHoldsInfo">
      <wsdl:input message="tns:GetHoldsInfoSoapIn" />
      <wsdl:output message="tns:GetHoldsInfoSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetFinalRoutingDestinationFolderUrl">
      <wsdl:input message="tns:GetFinalRoutingDestinationFolderUrlSoapIn" />
      <wsdl:output message="tns:GetFinalRoutingDestinationFolderUrlSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="SubmitFile">
      <wsdl:input message="tns:SubmitFileSoapIn" />
      <wsdl:output message="tns:SubmitFileSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetServerInfo">
      <wsdl:input message="tns:GetServerInfoSoapIn" />
      <wsdl:output message="tns:GetServerInfoSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetRecordRoutingCollection">
      <wsdl:input message="tns:GetRecordRoutingCollectionSoapIn" />
      <wsdl:output message="tns:GetRecordRoutingCollectionSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="GetRecordRouting">
      <wsdl:input message="tns:GetRecordRoutingSoapIn" />
      <wsdl:output message="tns:GetRecordRoutingSoapOut" />
    </wsdl:operation>
  </wsdl:portType>
  <wsdl:binding name="OfficialFileSoap" type="tns:OfficialFileSoap">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="GetHoldsInfo">
      <soap:operation
        soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetHoldsInfo"
        style="document" />
      <wsdl:input>

```

```

        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetFinalRoutingDestinationFolderUrl">
    <soap:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetFinalRoutingDes
tinationFolderUrl" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="SubmitFile">
    <soap:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/SubmitFile"
style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetServerInfo">
    <soap:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetServerInfo"
style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetRecordRoutingCollection">
    <soap:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetRecordRoutingCo
llection" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetRecordRouting">
    <soap:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetRecordRouting"
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="OfficialFileSoap12" type="tns:OfficialFileSoap">
    <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="GetHoldsInfo">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetHoldsInfo"
style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetFinalRoutingDestinationFolderUrl">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetFinalRoutingDes
tinationFolderUrl" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SubmitFile">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/SubmitFile"
style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetServerInfo">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetServerInfo"
style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetRecordRoutingCollection">
      <soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetRecordRoutingCo
llection" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
  </wsdl:operation name="GetRecordRouting">

```

```
<soap12:operation
soapAction="http://schemas.microsoft.com/sharepoint/soap/recordsrepository/GetRecordRouting"
style="document" />
  <wsdl:input>
    <soap12:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal" />
  </wsdl:output>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>
```

Preliminary

## 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® Office SharePoint® Server 2007
- Microsoft® SharePoint® Server 2010
- Microsoft® SharePoint® Server 15 Technical Preview

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

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

[<1> Section 2.2.4.2:](#) SharePoint Server 2010 uses the URL of the **site** where the search query was performed.

[<2> Section 2.2.4.2:](#) Office SharePoint Server 2007 does not use this element. SharePoint Server 2010 does not specify this element if the property is not a **field** of the file being submitted.

[<3> Section 2.2.4.2:](#) Office SharePoint Server 2007 does not use this format.

[<4> Section 3.1.4:](#) Office SharePoint Server 2007 does not provide this method.

[<5> Section 3.1.4:](#) Office SharePoint Server 2007 does not provide this method.

[<6> Section 3.1.4.1:](#) Office SharePoint Server 2007 does not provide this method.

[<7> Section 3.1.4.2:](#) Office SharePoint Server 2007 does not provide this method.

[<8> Section 3.1.4.5:](#) Office SharePoint Server 2007 returns "Microsoft.Office.Server" as the ServerType and "Microsoft.Office.OfficialFileSoap, Version=12.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c" as the ServerVersion, and SharePoint Server 2010 returns "Microsoft.Office.Server v4" as the ServerType and " Microsoft.Office.OfficialFileSoap, Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c" as the ServerVersion.

[<9> Section 3.1.4.5.3.1:](#) Office SharePoint Server 2007 does not use this element.

[<10> Section 3.1.4.6:](#) Third-party modules can be added to Office SharePoint Server 2007 and SharePoint Server 2010 which can cause the submission to be rejected.

[<11> Section 3.1.4.6:](#) Office SharePoint Server 2007 does not include the **CustomProcessingResult** element. The **CustomProcessingResult** element is not set if the properties listed in step 12 are not present.

[<12> Section 3.1.4.6:](#) Office SharePoint Server 2007 does not include the **CustomProcessingResult** element.

[<13> Section 3.1.4.6:](#) Office SharePoint Server 2007 returns the URL in the **AdditionalInformation** element.



<14> [Section 3.1.4.6:](#) Office SharePoint Server 2007 does not include the **CustomProcessingResult** element.

<15> [Section 3.1.4.6:](#) Office SharePoint Server 2007 does not include the **CustomProcessingResult** element.

<16> [Section 3.1.4.6.2.1:](#) The behavior is undefined if the **userName** element is SHAREPOINT\system for Office SharePoint Server 2007 and SharePoint Server 2010.

Preliminary

## 8 Change Tracking

This section identifies changes that were made to the [MS-OFFICIALFILE] protocol document between the June 2011 and January 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

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

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

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

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

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

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">1.1 Glossary</a>	Added "base64 encoding", "XML schema".	N	New content added.
<a href="#">2.2 Common Message Syntax</a>	Clarified that the section contains "definitions".	N	Content updated.
<a href="#">2.2.9 Common Data Structures</a>	Added this section.	N	Content updated for template compliance.
<a href="#">3.1.4.5.3.1 ServerInfo</a>	Clarified that RoutingWeb should be present; also added a product behavior note.	N	Content updated.
<a href="#">Z Appendix B: Product Behavior</a>	Updated the list of product versions.	N	Content updated.

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