

# [MS-OXWCONFIG]: Web Service Configuration Protocol Specification

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## Revision Summary

Date	Revision History	Revision Class	Comments
04/10/2009	.1	Major	Initial Availability.
07/15/2009	1.0	Major	Revised and edited for technical content.
11/04/2009	1.1.0	Minor	Updated the technical content.
02/10/2010	2.0.0	Major	Updated and revised the technical content.
05/05/2010	3.0.0	Major	Updated and revised the technical content.
08/04/2010	3.1	Minor	Clarified the meaning of the technical content.
11/03/2010	3.2	Minor	Clarified the meaning of the technical content.
03/18/2011	3.2	No change	No changes to the meaning, language, or formatting of the technical content.
08/05/2011	3.3	Minor	Clarified the meaning of the technical content.
10/07/2011	3.3	No change	No changes to the meaning, language, or formatting of the technical content.
01/20/2012	4.0	Major	Significantly changed the technical content.
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07/16/2012	4.1	Minor	Clarified the meaning of the technical content.
10/08/2012	5.0	Major	Significantly changed the technical content.

# Table of Contents

<b>1 Introduction</b>	<b>6</b>
1.1 Glossary	6
1.2 References	6
1.2.1 Normative References	6
1.2.2 Informative References	7
1.3 Overview	7
1.4 Relationship to Other Protocols	7
1.5 Prerequisites/Preconditions	8
1.6 Applicability Statement	8
1.7 Versioning and Capability Negotiation	8
1.8 Vendor-Extensible Fields	8
1.9 Standards Assignments	8
<b>2 Messages</b>	<b>9</b>
2.1 Transport	9
2.2 Common Message Syntax	9
2.2.1 Namespaces	9
2.2.2 Messages	9
2.2.3 Elements	9
2.2.4 Complex Types	9
2.2.5 Simple Types	10
2.2.6 Attributes	10
2.2.7 Groups	10
2.2.8 Attribute Groups	10
<b>3 Protocol Details</b>	<b>11</b>
3.1 ExchangeServicePortType Server Details	11
3.1.1 Abstract Data Model	11
3.1.2 Timers	11
3.1.3 Initialization	11
3.1.4 Message Processing Events and Sequencing Rules	11
3.1.4.1 GetServiceConfiguration Operation	11
3.1.4.1.1 Messages	11
3.1.4.1.1.1 GetServiceConfigurationSoapIn Message	11
3.1.4.1.1.2 GetServiceConfigurationSoapOut Message	12
3.1.4.1.2 Elements	12
3.1.4.1.2.1 m:GetServiceConfiguration	12
3.1.4.1.2.2 m:GetServiceConfigurationResponse	13
3.1.4.1.2.3 PolicyNudgeRulesConfiguration	13
3.1.4.1.2.4 rule	13
3.1.4.1.2.5 mce:RulePackage	13
3.1.4.1.3 Complex Types	13
3.1.4.1.3.1 actionTypes Complex Type	16
3.1.4.1.3.2 actionTypesType Complex Type	17
3.1.4.1.3.3 mce:AffinityType Complex Type	18
3.1.4.1.3.4 mce:AnyType Complex Type	19
3.1.4.1.3.5 ApplyType Complex Type	20
3.1.4.1.3.6 t:ArrayOfProtectionRulesType Complex Type	20
3.1.4.1.3.7 m:ArrayOfServiceConfigurationResponseMessageType Complex Type	21
3.1.4.1.3.8 m:ArrayOfServiceConfigurationType Complex Type	21

3.1.4.1.3.9	ClassificationDefinitionsType Complex Type .....	22
3.1.4.1.3.10	ClassificationDefinitionType Complex Type .....	22
3.1.4.1.3.11	classificationType Complex Type .....	23
3.1.4.1.3.12	t:ConfigurationRequestDetailsType .....	23
3.1.4.1.3.13	mce:DescriptionType Complex Type .....	24
3.1.4.1.3.14	mce:DetailsType Complex Type .....	24
3.1.4.1.3.15	mce:EncryptionType Complex Type .....	25
3.1.4.1.3.16	mce:EntityType Complex Type .....	25
3.1.4.1.3.17	mce:EvidenceType Complex Type .....	26
3.1.4.1.3.18	m:GetServiceConfigurationResponseMessageType Complex Type .....	27
3.1.4.1.3.19	m:GetServiceConfigurationType Complex Type .....	27
3.1.4.1.3.20	mce:GroupType Complex Type .....	28
3.1.4.1.3.21	mce:IdMatchType Complex Type .....	29
3.1.4.1.3.22	mce:KeywordType Complex Type .....	29
3.1.4.1.3.23	localeType Complex Type .....	30
3.1.4.1.3.24	mce:LocalizedDetailsType Complex Type .....	30
3.1.4.1.3.25	mce:LocalizedStringsType Complex Type .....	31
3.1.4.1.3.26	mce:MatchType Complex Type .....	31
3.1.4.1.3.27	t:MailTipsServiceConfiguration Complex Type .....	32
3.1.4.1.3.28	orType Complex Type .....	33
3.1.4.1.3.29	mce:PatternType Complex Type .....	34
3.1.4.1.3.30	t:PolicyNudgeRulesServiceConfiguration .....	35
3.1.4.1.3.31	PolicyNudgeRulesConfigurationType Complex Type .....	35
3.1.4.1.3.32	mce:PolicyNudgeRulesType Complex Type .....	36
3.1.4.1.3.33	PolicyNudgeRuleType Complex Type .....	36
3.1.4.1.3.34	predicateElementConstantType Complex Type .....	37
3.1.4.1.3.35	predicateElementMultipleChildType Complex Type .....	37
3.1.4.1.3.36	predicateElementSingleChildType Complex Type .....	38
3.1.4.1.3.37	t:ProtectionRuleActionType Complex Type .....	39
3.1.4.1.3.38	t:ProtectionRuleAndType Complex Type .....	40
3.1.4.1.3.39	t:ProtectionRuleArgumentType Complex Type .....	41
3.1.4.1.3.40	t:ProtectionRuleConditionType Complex Type .....	41
3.1.4.1.3.41	t:ProtectionRuleRecipientIsType Complex Type .....	43
3.1.4.1.3.42	t:ProtectionRuleSenderDepartmentsType Complex Type .....	43
3.1.4.1.3.43	t:ProtectionRulesServiceConfiguration Complex Type .....	44
3.1.4.1.3.44	t:ProtectionRuleType Complex Type .....	45
3.1.4.1.3.45	mce:PublisherType Complex Type .....	46
3.1.4.1.3.46	recipientType Complex Type .....	46
3.1.4.1.3.47	mce:RegexType Complex Type .....	47
3.1.4.1.3.48	mce:ResourceNameType Complex Type .....	47
3.1.4.1.3.49	mce:ResourceType Complex Type .....	48
3.1.4.1.3.50	mce:RulePackageContainerType Complex Type .....	48
3.1.4.1.3.51	mce:RulePackageType Complex Type .....	49
3.1.4.1.3.52	mce:RulePackType Complex Type .....	50
3.1.4.1.3.53	ruleType Complex Type .....	50
3.1.4.1.3.54	mce:RulesType Complex Type .....	51
3.1.4.1.3.55	senderType Complex Type .....	52
3.1.4.1.3.56	t:ServiceConfiguration Complex Type .....	52
3.1.4.1.3.57	ServiceConfigurationResponseMessageType Complex Type .....	52
3.1.4.1.3.58	t:SmtpDomain Complex Type .....	53
3.1.4.1.3.59	t:SmtpDomainList Complex Type .....	54
3.1.4.1.3.60	mce:TermType Complex Type .....	54
3.1.4.1.3.61	UnifiedMessageServiceConfiguration Complex Type .....	55

3.1.4.1.3.62	VersionType Complex Type .....	55
3.1.4.1.3.63	versionType Complex Type .....	56
3.1.4.1.4	Simple Types .....	56
3.1.4.1.4.1	mce:GuidType Simple Type .....	57
3.1.4.1.4.2	mce:LangType Simple Type .....	58
3.1.4.1.4.3	minRequiredVersionType Simple Type .....	58
3.1.4.1.4.4	mce:NameType Simple Type .....	58
3.1.4.1.4.5	mce:OptionalNameType Simple Type .....	58
3.1.4.1.4.6	t:ProtectionRuleActionKindType Simple Type .....	59
3.1.4.1.4.7	t:ProtectionRuleAllInternalType Simple Type .....	59
3.1.4.1.4.8	t:ProtectionRuleTrueType Simple Type .....	59
3.1.4.1.4.9	t:ProtectionRuleValueType Simple Type .....	60
3.1.4.1.4.10	mce:ProbabilityType Simple Type .....	60
3.1.4.1.4.11	mce:ProximityType Simple Type .....	60
3.1.4.1.4.12	mce:RestrictedTermType Simple Type .....	60
3.1.4.1.4.13	mce:RulePackNameType Simple Type .....	61
3.1.4.1.4.14	t:ServiceConfigurationType Simple Type .....	61
3.1.4.1.4.15	mce:WorkloadType Simple Type .....	62
3.1.4.1.4.16	yesnoType Simple Type .....	62
3.1.4.1.5	Attributes .....	62
3.1.4.1.6	Groups .....	62
3.1.4.1.7	Attribute Groups .....	62
3.1.5	Timer Events .....	62
3.1.6	Other Local Events .....	63
<b>4</b>	<b>Protocol Examples .....</b>	<b>64</b>
4.1	GetServiceConfiguration Operation Request .....	64
4.2	GetServiceConfiguration Operation Response .....	64
4.3	Unsuccessful GetServiceConfiguration Operation Response .....	65
4.3.1	SOAP Exception .....	65
4.3.2	GetServiceConfiguration Operation Error Response .....	66
<b>5</b>	<b>Security .....</b>	<b>67</b>
5.1	Security Considerations for Implementers .....	67
5.2	Index of Security Parameters .....	67
<b>6</b>	<b>Appendix A: Full WSDL .....</b>	<b>68</b>
<b>7</b>	<b>Appendix B: Full XML Schema .....</b>	<b>70</b>
7.1	Classification Rule Package Container Type Schema .....	70
7.2	Messages Schema .....	70
7.3	Policy Nudge Rule Schema .....	72
7.4	Policy Nudge Rule Types Schema .....	72
7.5	Policy Nudge Rules Configuration Schema .....	75
7.6	Policy Nudge Rules Configuration Types Schema .....	76
7.7	Rule Package Schema .....	77
7.8	Rule Package Types Schema .....	78
7.9	Types Schema .....	83
<b>8</b>	<b>Appendix C: Product Behavior .....</b>	<b>87</b>
<b>9</b>	<b>Change Tracking .....</b>	<b>91</b>
<b>10</b>	<b>Index .....</b>	<b>99</b>

# 1 Introduction

The Web Service Configuration Protocol sends the request-response messages that retrieve configuration and policy information for a **mailbox**.

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 [\[MS-GLOS\]](#):

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

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

**mail tip**  
**mailbox**  
**recipient**  
**Simple Mail Transfer Protocol (SMTP)**  
**SOAP fault**  
**Unified Messaging**  
**Web Services Description Language (WSDL)**  
**WSDL message**  
**WSDL port type**  
**XML namespace**  
**XML schema**

The following terms are specific to this document:

**organization policy:** A policy that is comprised of a condition part and an action part. The condition part is expressed as a sequence of predicates that are evaluated by an email client. The action part specifies what action the email client takes if the condition is met. Organization policies are sets of conditions and associated actions that apply within an organization.

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

## 1.2 References

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

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](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-OXWMT] Microsoft Corporation, "[Mail Tips Web Service Extensions](#)".

[MS-OXWSCDATA] Microsoft Corporation, "[Common Web Service Data Types](#)".

[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>

[RFC3066] Alvestrand, H., "Tags for the Identification of Language", RFC 3066, January 2001, <http://www.ietf.org/rfc/rfc3066.txt>

[RFC4646] A. Phillips, Ed., and M. Davis, Ed., "Tags for Identifying Languages", BCP 47, RFC 4646, September 2006, <http://www.ietf.org/rfc/rfc4646.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/>

[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-OXGLOS] Microsoft Corporation, "[Exchange Server Protocols Master Glossary](#)".

[MS-OXPROTO] Microsoft Corporation, "[Exchange Server Protocols System Overview](#)".

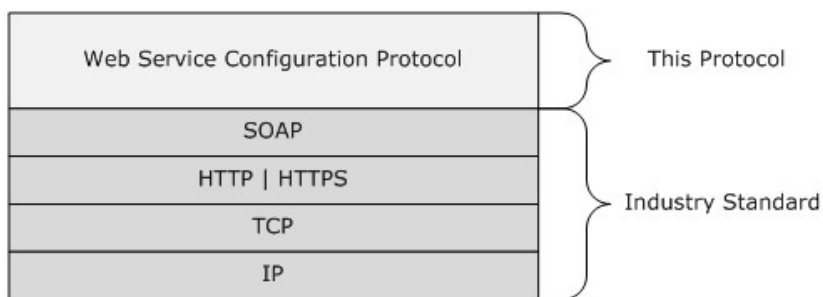
[MS-OXWSADISC] Microsoft Corporation, "[Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol Specification](#)".

### 1.3 Overview

The Web Service Configuration Protocol sends the request-response messages that retrieve **organization policy** configuration information for a mailbox. Clients use the SOAP protocol, as described in [\[SOAP1.1\]](#) to contact the Web Service Configuration service.

### 1.4 Relationship to Other Protocols

The Web Service Configuration Protocol uses SOAP over **HTTP** and SOAP over **HTTPS**, as shown in the following layering diagram.



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

For conceptual background information and overviews of the relationships and interactions between this and other protocols, see [\[MS-OXPROTO\]](#).

### 1.5 Prerequisites/Preconditions

The URL of the Web Service Configuration Protocol can be retrieved by using the Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol, as described in [\[MS-OXWSADISC\]](#).

### 1.6 Applicability Statement

This protocol accesses configuration information for an organization policy when that information is available and when communication with the server is enabled for SOAP over HTTP or SOAP over HTTPS.

### 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports:** This protocol uses SOAP 1.1, as specified in section [2.1](#).
- **Protocol Versions:** This protocol specifies only one **WSDL port type** version.
- **Security and Authentication Methods:** This protocol relies on the Web server that is hosting it to perform authentication.
- **Capability Negotiation:** None.

### 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 provides a base description of the protocol. The schema in this specification provides a base description of the message syntax. The text that specifies the WSDL and schema might specify restrictions that reflect actual protocol 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**, **not null**, or **present**.

### 2.1 Transport

The SOAP version supported is SOAP 1.1. For details, see [\[SOAP1.1\]](#).

### 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 defined in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and Web Services Description Language (WSDL), as defined in [\[WSDL\]](#).

#### 2.2.1 Namespaces

This specification defines and references various **XML namespaces** by 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
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/exchange/services/2006/messages">http://schemas.microsoft.com/exchange/services/2006/messages</a>	
xs	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a>
targetNamespace	<a href="http://schemas.microsoft.com/exchange/services/2006/messages">http://schemas.microsoft.com/exchange/services/2006/messages</a>	
wsdl	<a href="http://schemas.xmlsoap.org/WSDL/">http://schemas.xmlsoap.org/WSDL/</a>	<a href="#">[WSDL]</a>
t	<a href="http://schemas.microsoft.com/exchange/services/2006/types">http://schemas.microsoft.com/exchange/services/2006/types</a>	
m	<a href="http://schemas.microsoft.com/exchange/services/2006/messages">http://schemas.microsoft.com/exchange/services/2006/messages</a>	
mce	<a href="http://schemas.microsoft.com/office/2011/mce">http://schemas.microsoft.com/office/2011/mce</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

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.

### 3.1 ExchangeServicePortType Server Details

The Web Service Configuration Protocol defines a single port type with one operation, which gets the service configuration for a mailbox.

#### 3.1.1 Abstract Data Model

The Web Service Configuration Protocol is a stateless protocol.

#### 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 name	Description
<b>GetServiceConfiguration</b>	Gets information about the organization policy configuration for a mailbox.

##### 3.1.4.1 GetServiceConfiguration Operation

The **GetServiceConfiguration** operation gets the service configuration for a mailbox.

```
<wsdl:operation name="GetServiceConfiguration">
  <wsdl:input message="tns:GetServiceConfigurationSoapIn" />
  <wsdl:output message="tns:GetServiceConfigurationSoapOut" />
</wsdl:operation>
```

##### 3.1.4.1.1 Messages

The following WSDL message definitions are specific to this operation.

##### 3.1.4.1.1.1 GetServiceConfigurationSoapIn Message

The parts of the **GetServiceConfigurationSoapIn** message are described in the following table.

Part name	Element/type	Description
<b>request</b>	<b>m:GetServiceConfiguration</b>	Specifies the request.

Part name	Element/type	Description
<b>Impersonation</b>	<b>t:ExchangeImpersonation</b> ([MS-OXWSCDATA] section 2.2.5.3)	Specifies the account to impersonate.
<b>RequestVersion</b>	<b>t:RequestServerVersion</b> ([MS-OXWSCDATA] section 2.2.5.9)	Specifies the schema version for the <b>GetServiceConfiguration</b> operation request. The <b>RequestServerVersion</b> element is defined in [MS-OXWSCDATA] section 2.2.5.9.
<b>MailboxCulture</b>	<b>t:MailboxCulture</b> ([MS-OXWSCDATA] section 2.2.5.6)	Specifies the culture to use for accessing the mailbox. The cultures are defined by [RFC3066].

### 3.1.4.1.1.2 GetServiceConfigurationSoapOut Message

The parts of the **GetServiceConfigurationSoapOut** message are described in the following table.

Part name	Element/type	Description
<b>GetServiceConfigurationResult</b>	<b>m:GetServiceConfigurationResponse</b>	Specifies the response.
<b>ServerVersion</b>	<b>t:ServerVersionInfo</b> ([MS-OXWSCDATA] section 2.2.5.10)	Specifies the server version for the response.

### 3.1.4.1.2 Elements

The following table lists the XML schema elements that are specific to this operation.

Element name	Description
<b>GetServiceConfiguration</b>	Specifies the base element for a <b>GetServiceConfiguration</b> operation request.
<b>GetServiceConfigurationResponse</b>	Specifies the response message for a <b>GetServiceConfiguration</b> operation.
<b>PolicyNudgeRulesConfiguration</b>	Specifies a set of policy nudge rules and rule classification definitions.
<b>rule</b>	Specifies the root of the rule pack document.
<b>RulePackage</b>	Specifies the root of the rule pack document.

#### 3.1.4.1.2.1 m:GetServiceConfiguration

The **GetServiceConfiguration** element specifies the base element for a **GetServiceConfiguration** operation request.

```
<xs:element name="GetServiceConfiguration" type="m:GetServiceConfigurationType"/>
```

### 3.1.4.1.2.2 m:GetServiceConfigurationResponse

The **GetServiceConfigurationResponse** element specifies the response message for a **GetServiceConfiguration** operation.

```
<xs:element name="GetServiceConfigurationResponse"
  type="m:GetServiceConfigurationResponseMessageType"/>
```

### 3.1.4.1.2.3 PolicyNudgeRulesConfiguration

The **PolicyNudgeRulesConfiguration** element specifies a set of policy nudge rules and rule classification definitions. [<1>](#)

```
<xs:element name="PolicyNudgeRulesConfiguration"
  type="PolicyNudgeRulesConfigurationType" />
```

### 3.1.4.1.2.4 rule

The **rule** element specifies a policy nudge rule. [<2>](#)

```
<xs:element name="rule" type="ruleType"/>
```

### 3.1.4.1.2.5 mce:RulePackage

The **RulePackage** element specifies the root of the rule pack document. [<3>](#)

```
<xs:element name="RulePackage" type="mce:RulePackageType"/>
```

### 3.1.4.1.3 Complex Types

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

Complex Type	Description
<b>actionsType</b>	Specifies the actions that a policy nudge can have.
<b>actionTypeType</b>	Specifies an optional URL to a compliance note, a policy tip message, and whether the classification rule can be overridden.
<b>AffinityType</b>	Specifies an affinity-based classification type
<b>AnyType</b>	Specifies a classification rule where if any of the rule conditions are met, then the rule condition is processed as a match
<b>ApplyType</b>	Specifies whether the client has to update its email policy rule set
<b>ArrayOfProtectionRulesType</b>	Specifies an array of protection rules.

<b>Complex Type</b>	<b>Description</b>
<b>ArrayOfServiceConfigurationResponseMessageType</b>	Specifies an array of service configuration response messages.
<b>ArrayOfServiceConfigurationType</b>	Specifies the requested service configurations for a <b>GetServiceConfigurationSoapIn</b> message.
<b>ClassificationDefinitionsType</b>	Specifies the definitions used to classify messages. This type extends the <b>ApplyType</b> complex type.
<b>ClassificationDefinitionType</b>	Specifies a single message classification definition. This type extends the <b>RulePackageContainerType</b> complex type
<b>classificationType</b>	Specifies a classification identifier
<b>ConfigurationRequestDetailsType</b>	Contains the details of the policy nudges.
<b>DescriptionType</b>	Specifies the description of a localized resource string.
<b>DetailsType</b>	Specifies the localized description of a rule pack
<b>EncryptionType</b>	Specifies the encryption key and initialization vector.
<b>EntityType</b>	Specifies an entity classification type.
<b>EvidenceType</b>	Specifies the classification rules for an affinity-based classification.
<b>GetServiceConfigurationResponseMessageType</b>	Contains the response message for a <b>GetServiceConfiguration</b> operation.
<b>GetServiceConfigurationType</b>	Specifies the requested service configurations and identifies the sender or recipient actor who is making the request.
<b>GroupType</b>	Specifies the terms in a keyword-based rule.
<b>IdMatchType</b>	Specifies an entity-based primary match rule.
<b>KeywordType</b>	Specifies the terms and identifier of a keyword-based rule.
<b>localeType</b>	Specifies the unique identifier of a keyword-based text processor.
<b>LocalizedDetailsType</b>	Specifies the localized information about a rule pack
<b>LocalizedStringsType</b>	Specifies localized information about classification rules for both entity-based and affinity-based rules.
<b>MatchType</b>	Specifies a classification rule match.

Complex Type	Description
<b>MailTipsServiceConfiguration</b>	Contains service configuration information for the <b>mail tips</b> service.
<b>orType</b>	Specifies a logical <b>OR</b> for rule predicates. This type extends the <b>predicateElementMultipleChildType</b> complex type.
<b>PatternType</b>	Specifies the pattern for an entity classification
<b>PolicyNudgeRulesServiceConfiguration</b>	Contains the policy tip configuration. data.<4>
<b>PolicyNudgeRulesConfigurationType</b>	Specifies the set of policy nudge rules and classification definitions that are sent to a client.
<b>PolicyNudgeRulesType</b>	Specifies a collection of policy nudge rules. This complex type extends the <b>ApplyType</b> complex type.
<b>PolicyNudgeRuleType</b>	Specifies a single policy nudge rule
<b>predicateElementConstantType</b>	Specifies the type of all constant rule predicates. All elements of this type MUST be empty.
<b>predicateElementMultipleChildType</b>	Specifies multiple predicates and logical operators for a classification definition.
<b>predicateElementSingleChildType</b>	Specifies a single predicate or logical operator for a classification definition.
<b>ProtectionRuleActionType</b>	Specifies the action that the client can take if the condition part of the associated rule matches.
<b>ProtectionRuleAndType</b>	Specifies that there MUST be more than one protection rule condition.
<b>ProtectionRuleArgumentType</b>	Specifies an attribute that is used to specify an argument to an action.
<b>ProtectionRuleConditionType</b>	Specifies the condition part of a protection rule.
<b>ProtectionRuleRecipientIsType</b>	Specifies a condition that matches if any recipients of the email message match any specified recipients in the child <b>Value</b> elements.
<b>ProtectionRuleSenderDepartmentsType</b>	Specifies a condition that matches if the department of the sender of the email message matches any of the specified departments in the child <b>Value</b> elements.
<b>ProtectionRulesServiceConfiguration</b>	Specifies the configuration of the protection rules service.

Complex Type	Description
<b>ProtectionRuleType</b>	Specifies a single protection rule.
<b>PublisherType</b>	Specifies the unique identifier of a rule pack publisher
<b>recipientType</b>	Specifies a recipient in a classification definition. No more than one of the attributes in this type can be present.
<b>RegexType</b>	Specifies a regular expression text processor
<b>ResourceNameType</b>	Specifies a localized name for a classification rule
<b>ResourceType</b>	Specifies the localized names and descriptions of a classification rule.
<b>RulePackageContainerType</b>	Contains a single rule package.
<b>RulePackageType</b>	Specifies the rule pack identifier and the set of classification definitions rules.
<b>RulePackType</b>	Specifies the version, identifier, and publisher of a rule pack.
<b>ruleType</b>	Specifies a policy nudge rule.
<b>RulesType</b>	Specifies the rules collection in a rules package.
<b>senderType</b>	Specifies a sender in a classification definition.
<b>ServiceConfiguration</b>	Specifies the base type for the service configuration types.
<b>ServiceConfigurationResponseMessageType</b>	Specifies service configuration settings.
<b>SmtptDomain</b>	Specifies a single domain.
<b>SmtptDomainList</b>	Specifies a list of internal domains in a user's organization.
<b>TermType</b>	Specifies a term and whether the term is case-sensitive.
<b>UnifiedMessageServiceConfiguration</b>	Specifies the configuration for the <b>Unified Messaging</b> service.
<b>VersionType</b>	Specifies the rule pack version.
<b>versionType</b>	Specifies the minimum client version that can use this rule and the rule conditions and actions.

### 3.1.4.1.3.1 actionsType Complex Type

The **actionsType** complex type specifies the actions that a policy nudge can have. <5>



```

<xs:complexType name="actionsType">
  <xs:choice maxOccurs="unbounded">
    <xs:element name="block" type="actionTypeType" />
    <xs:element name="notify" type="actionTypeType" />
  </xs:choice>
</xs:complexType>

```

The following table lists the child elements of the **actionsType** complex type.

Element	Type	Description
<b>block</b>	<b>actionTypeType</b>	Specifies that if a rule condition is met, the server MUST block sending the message unless it is overridden by user input.
<b>notify</b>	<b>actionTypeType</b>	Specifies that if a rule condition is met, the client MUST notify the user about the policy violation in the form of a policy tip.

### 3.1.4.1.3.2 actionTypeType Complex Type

The **actionTypeType** complex type specifies an optional URL to a compliance note, a policy tip message, and whether the classification rule can be overridden. [<6>](#)

```

<xs:complexType name="actionTypeType">
  <xs:sequence>
    <xs:element name="message">
      <xs:complexType>
        <xs:sequence minOccurs="1" maxOccurs="unbounded">
          <xs:element name="locale" type="localeType" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <xs:element name="override">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="justification">
            <xs:complexType>
              <xs:attribute name="type" use="required">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:enumeration value="none" />
                    <xs:enumeration value="optional" />
                    <xs:enumeration value="required" />
                  </xs:restriction>
                </xs:simpleType>
              </xs:attribute>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
        <xs:attribute name="allow" type="yesnoType" use="required" />
      </xs:complexType>
    </xs:element>

    <xs:element name="falsePositive">
      <xs:complexType>
        <xs:attribute name="allow" type="yesnoType" use="required" />
      </xs:complexType>
    </xs:element>
  </xs:sequence>

```

```

    </xs:element>
  </xs:sequence>
</xs:complexType>

```

The following table lists the child elements of the **actionTypeType** complex type.

Element	Type	Description
<b>message</b>		Contains the <b>locale</b> child element.
<b>locale</b>	<b>localeType</b> (section <a href="#">3.1.4.1.3.23</a> )	Specifies the local natural language identifier, an optional URL to a compliance note, Policy Tip messages, and an override text message.
<b>override</b>		Contains the <b>justification</b> child element and the <b>allow</b> attribute.
<b>justification</b>		Contains the <b>type</b> attribute.
<b>falsePositive</b>		Contains the <b>allow</b> attribute.

The following table lists the attributes defined in the **actionTypeType** complex type.

Attribute	Type	Description
<b>type</b>		Specifies whether an override justification is required. This attribute MUST be present.
<b>allow</b>	<b>yesnoType</b> (section <a href="#">3.1.4.1.4.16</a> )	Specifies whether a rule can be overridden as specified in the <b>override</b> element. This attribute MUST be present. The client MUST ignore this value if the <b>notify</b> element, as specified in <b>actionsType</b> (section <a href="#">3.1.4.1.3.1</a> ), is present. Specifies whether a false positive reporting is allowed as specified in the <b>falsePositive</b> element. This attribute MUST be present.

### 3.1.4.1.3.3 mce:AffinityType Complex Type

The **AffinityType** complex type specifies an affinity-based classification type. [<7>](#)

```

<xs:complexType name="AffinityType">
  <xs:sequence>
    <xs:element name="Evidence" type="mce:EvidenceType" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="mce:GuidType" use="required"/>
  <xs:attribute name="evidencesProximity" type="mce:ProximityType" use="required"/>
  <xs:attribute name="thresholdConfidenceLevel" type="mce:ProbabilityType" use="required"/>
  <xs:attribute name="workload" type="mce:WorkloadType"/>
</xs:complexType>

```

The following table lists the child elements of the **AffinityType** complex type.

Element	Type	Description
<b>Evidence</b>	<b>EvidenceType</b>	Specifies the rules that are matched for an affinity-based classification.

The following table lists the attributes defined in the **AffinityType** complex type.

Attribute	Type	Description
<b>id</b>	<b>GuidType</b>	Specifies the rule identifier. This attribute MUST be present.
<b>evidencesProximity</b>	<b>ProximityType</b>	Specifies the proximity value used by the classification engine. This attribute MUST be present.
<b>thresholdConfidenceLevel</b>	<b>ProbabilityType</b>	Specifies the confidence level threshold used by the classification engine to trigger an action. This attribute MUST be present.
<b>workload</b>	<b>WorkloadType</b>	This attribute is not used.

### 3.1.4.1.3.4 mce:AnyType Complex Type

The **AnyType** complex type specifies a classification rule where if any of the rule conditions are met, then the rule condition is processed as a match. [<8>](#)

```
<xs:complexType name="AnyType">
  <xs:sequence>
    <xs:choice maxOccurs="unbounded">
      <xs:element name="Match" type="mce:MatchType"/>
      <xs:element name="Any" type="mce:AnyType"/>
    </xs:choice>
  </xs:sequence>
  <xs:attribute name="minMatches" type="xs:nonNegativeInteger" default="1"/>
  <xs:attribute name="maxMatches" type="xs:nonNegativeInteger" use="optional"/>
</xs:complexType>
```

The following table lists the child elements of the **AnyType** complex type.

Element	Type	Description
<b>Match</b>	<b>MatchType</b>	Specifies a single classification rule to match. This element can occur zero or more times.
<b>Any</b>	<b>AnyType</b>	Specifies two or more classification rules to match. This element can occur zero or more times.

The following table lists the attributes defined in the **AnyType** complex type.

Attribute	Type	Description
<b>minMatches</b>	<b>nonNegativeInteger</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the minimum number of rule matches required to indicate that a rule condition has been met. The default value is 1.
<b>maxMatches</b>	<b>nonNegativeInteger</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the maximum number of rule matches required to indicate that a rule condition has been met.

### 3.1.4.1.3.5 ApplyType Complex Type

The **ApplyType** complex type specifies whether the client has to update its email policy rule set. <9>

```
<xs:complexType name="ApplyType">
  <xs:attribute name="apply" use="required">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:pattern value="([Tt][Rr][Uu][Ee])|([Ff][Aa][Ll][Ss][Ee])" />
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>
```

The following table lists the attributes defined in the **ApplyType** complex type.

Attribute	Type	Description
<b>apply</b>	<b>simpleType</b> <a href="#">[XMLSCHEMA2]</a>	Specifies whether the client can update its rule set. If the value is "false", the client MUST NOT update its rule set. If the value is "true", the client MUST update rule set. If the value is "true" and the <b>PolicyNudgeRules</b> element or the <b>ClassificationDefinitions</b> element is empty, the client MUST remove all rules.  The possible values for the <b>apply</b> attribute are "true" and "false." The values are not case sensitive.

### 3.1.4.1.3.6 t:ArrayOfProtectionRulesType Complex Type

The **ArrayOfProtectionRulesType** complex type specifies an array of protection rules.

```
<xs:complexType name="ArrayOfProtectionRulesType">
  <xs:sequence>
    <xs:element name="Rule"
      type="t:ProtectionRuleType"
      minOccurs="0"
      maxOccurs="unbounded"
    />
  </xs:sequence>
</xs:complexType>
```

The following table lists the child element of the **ArrayOfProtectionRulesType** complex type.

Element name	Type	Description
<b>Rule</b>	<b>t:ProtectionRuleType</b>	Contains a single protection rule. This element can occur zero or more times. This element occurs zero times when no protection rules are defined by the organization. It occurs one or more times if at least one rule is defined by the organization.

### 3.1.4.1.3.7 m:ArrayOfServiceConfigurationResponseType Complex Type

The **ArrayOfServiceConfigurationResponseType** complex type specifies an array of service configuration response messages.

```
<xs:complexType name="ArrayOfServiceConfigurationResponseType">
  <xs:sequence>
    <xs:element name="ServiceConfigurationResponseType"
      type="m:ServiceConfigurationResponseType"
      maxOccurs="unbounded"
      minOccurs="0"
    />
  </xs:sequence>
</xs:complexType>
```

The following table lists the child elements of the **ArrayOfServiceConfigurationResponseType** complex type.

Element name	Type	Description
<b>ServiceConfigurationResponseType</b>	<b>m:ServiceConfigurationResponseType</b> (section <a href="#">3.1.4.1.3.57</a> )	Contains a service configuration response message. This element <b>MUST</b> occur at least once and can occur two or more times.

### 3.1.4.1.3.8 m:ArrayOfServiceConfigurationType Complex Type

The **ArrayOfServiceConfigurationType** complex type specifies the requested service configurations for a **GetServiceConfigurationSoapIn** message, as specified in section [3.1.4.1.1.1](#).

```
<xs:complexType name="ArrayOfServiceConfigurationType">
  <xs:choice
    maxOccurs="unbounded"
    minOccurs="1"
  >
    <xs:element name="ConfigurationName"
      type="t:ServiceConfigurationType"
    />
  </xs:choice>
</xs:complexType>
```

The following table lists the child elements of the **ArrayOfServiceConfigurationType** complex type.

Element name	Type	Description
<b>ConfigurationName</b>	<a href="#">t:ServiceConfigurationType</a> ( )	Specifies the service configuration that is returned in the response. This simple type MUST occur at least once.

### 3.1.4.1.3.9 ClassificationDefinitionsType Complex Type

The **ClassificationDefinitionsType** complex type specifies the definitions used to classify messages. This type extends the **ApplyType** complex type. [<10>](#)

```
<xs:complexType name="ClassificationDefinitionsType">
  <xs:complexContent>
    <xs:extension base="ApplyType">
      <xs:sequence>
        <xs:element name="ClassificationDefinition" type="ClassificationDefinitionType"
minOccurs="0" maxOccurs="unbounded" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

The following table describes the child element of the **ClassificationDefinitionsType** complex type.

Element	Type	Description
<b>ClassificationDefinition</b>	<b>ClassificationDefinitionType</b>	Specifies a single rule package. This element can occur zero or more times. If this element is not present and the <b>apply</b> attribute is set to "true", the client MUST delete all classification definitions. If this element is present, the client MUST apply all the classification definitions.

### 3.1.4.1.3.10 ClassificationDefinitionType Complex Type

The **ClassificationDefinitionType** complex type specifies a single message classification definition. This type extends the **RulePackageContainerType** complex type. [<11>](#)

```
<xs:complexType name="ClassificationDefinitionType">
  <xs:complexContent>
    <xs:extension base="mce:RulePackageContainerType">
      <xs:attribute name="id" type="xs:string" use="required" />
      <xs:attribute name="version" type="xs:long" use="required" />
      <xs:anyAttribute processContents="skip" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

The following table lists the attributes of the **ClassificationDefinitionType** complex type.

Attribute	Type	Description
<b>id</b>	<b>xs:string</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the classification definition identifier. This attribute MUST be present.
<b>version</b>	<b>xs:long</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the classification definition version. This attribute MUST be present.
	<b>xs:anyAttribute</b> <a href="#">[XMLSCHEMA2]</a>	Indicates that the server can send non-predefined attributes in a response to the client. The client MUST send back the same attributes in subsequent requests.

### 3.1.4.1.3.11 classificationType Complex Type

The **classificationType** complex type specifies a classification identifier. [<12>](#)

```
<xs:complexType name="classificationType">
  <xs:attribute name="rulePackId" type="xs:string" use="required" />
  <xs:attribute name="id" type="xs:string" use="required" />
  <xs:attribute name="minCount" type="xs:integer" use="optional" />
  <xs:attribute name="maxCount" type="xs:integer" use="optional" />
  <xs:attribute name="minConfidence" type="xs:integer" use="optional" />
  <xs:attribute name="maxConfidence" type="xs:integer" use="optional" />
</xs:complexType>
```

The following table lists the attributes of the **classificationType** complex type.

Attribute	Type	Description
<b>rulePackId</b>	<b>xs:string</b> <a href="#">(XMLSCHEMA2)</a>	Specifies the rule pack identifier. This attribute MUST be present.
<b>id</b>	<b>xs:string</b>	Specifies the classification identifier. This attribute MUST be present.
<b>minCount</b>	<b>xs:integer</b> <a href="#">(XMLSCHEMA2)</a>	Specifies the minimum count. This attribute is optional.
<b>maxCount</b>	<b>xs:integer</b>	Specifies the maximum count. This attribute is optional.
<b>minConfidence</b>	<b>xs:integer</b>	Specifies the minimum confidence. This attribute is optional.
<b>maxConfidence</b>	<b>xs:integer</b>	Specifies the maximum confidence. This attribute is optional.

### 3.1.4.1.3.12 t:ConfigurationRequestDetailsType

The **ConfigurationRequestDetailsType** complex type contains a request for details of the policy tips. [<13>](#)

```
<xs:complexType name="ConfigurationRequestDetailsType">
  <xs:choice minOccurs="1" maxOccurs="1">
    <xs:any processContents="skip" minOccurs="0" maxOccurs="unbounded" namespace="##any"/>
  </xs:choice>
```

```
</xs:complexType>
```

The **ConfigurationRequestDetailsType** complex type contains an XML schema **any** element definition that MUST contain an element called **PolicyNudges**. The **PolicyNudges** element can contain attributes called **OutlookVersion** and **OutlookLocale**. Values for the **OutlookVersion** attribute are ignored by the server. The **OutlookVersion** attribute can contain the client's version number. The **OutlookLocale** attribute can contain the client's culture-specific natural language code, as specified in [RFC4646]. The **OutlookLocale** MUST be set. The response value of the **text2** element in the **localeType** complex type, as specified in section 3.1.4.1.3.23, is localized according to the value of the **OutlookLocale** attribute value. The **PolicyNudges** element can contain a **PolicyNudgeRules** and **ClassificationItems** element. The **PolicyNudgeRules** element is specified in section 3.1.4.1.3.31. The **ClassificationItems** element contains a **ClassificationDefinitions** element, as specified in section 3.1.4.1.3.31. The **ClassificationItems** element can have an **EngineVersion** attribute. The **EngineVersion** attribute can contain the version number of the client classification library. The value of the **EngineVersion** attribute is ignored by the server.

If the **ConfigurationRequestDetailsType** complex type is empty, no **OutlookVersion** or **EngineVersion** attributes will be present, the **OutlookLocale** attribute will be set to "en-US", and the **PolicyNudgeRule** and **ClassificationDefinition** elements will not be present.

### 3.1.4.1.3.13 mce:DescriptionType Complex Type

The **DescriptionType** complex type specifies the description of a localized resource string. <14>

```
<xs:complexType name="DescriptionType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="default" type="xs:boolean" default="false"/>
      <xs:attribute name="langcode" type="mce:LangType" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

The following table lists the attributes of the **classificationType** complex type.

Attribute	Type	Description
<b>default</b>	<b>xs:boolean</b> [XMLSCHEMA2]	Specifies the rule pack identifier. This attribute has a default value of "false".
<b>langcode</b>	<b>LangType</b>	Specifies the language identifier, as specified in [RFC4646]. This attribute MUST be present.

### 3.1.4.1.3.14 mce:DetailsType Complex Type

The **DetailsType** complex type specifies the localized description of a rule pack. <15>

```
<xs:complexType name="DetailsType">
  <xs:sequence>
    <xs:element name="LocalizedDetails" type="mce:LocalizedDetailsType"
      maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="defaultLangCode" type="mce:LangType" use="required"/>
</xs:complexType>
```



</xs:complexType>.

The following table lists the child elements of the **DetailsType** complex type.

Element	Type	Description
<b>LocalizedDetails</b>	<b>LocalizedDetailsType</b>	Specifies the localized rule pack information.

The following table lists the attributes of the **DetailsType** complex type.

Attribute	Type	Description
<b>defaultLangCode</b>	<b>LangType</b>	Specifies the <a href="#">RFC4646</a> language identifier that MUST be used if the requested localized rule pack information is not available. This attribute MUST be present.

### 3.1.4.1.3.15 mce:EncryptionType Complex Type

The **EncryptionType** complex type specifies the encryption key and initialization vector. [<16>](#)

```
<xs:complexType name="EncryptionType">
  <xs:sequence>
    <xs:element name="Key" type="xs:normalizedString"/>
    <xs:element name="IV" type="xs:normalizedString"/>
  </xs:sequence>
</xs:complexType>
```

The following table lists the child elements of the **EncryptionType** complex type.

Element	Type	Description
<b>Key</b>	<b>normalizedString</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the encryption key.
<b>IV</b>	<b>normalizedString</b>	Specifies the encryption initialization vector.

### 3.1.4.1.3.16 mce:EntityType Complex Type

The **EntityType** complex type specifies an entity classification type. [<17>](#)

```
<xs:complexType name="EntityType">
  <xs:sequence>
    <xs:element name="Pattern" type="mce:PatternType" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="mce:GuidType" use="required"/>
  <xs:attribute name="patternsProximity" type="mce:ProximityType" use="required"/>
  <xs:attribute name="recommendedConfidence" type="mce:ProbabilityType"/>
  <xs:attribute name="workload" type="mce:WorkloadType"/>
</xs:complexType>
```

The following table lists the child elements of the **EntityType** complex type.

Element	Type	Description
<b>Pattern</b>	<b>PatternType</b>	Specifies the classification rules that are matched for an entity-based classification.

The following table lists the attributes of the **EntityType** complex type.

Attribute	Type	Description
<b>id</b>	<b>GuidType</b>	Specifies the rule identifier. This attribute MUST be present.
<b>patternsProximity</b>	<b>ProximityType</b>	Specifies the proximity value between the primary match, as represented by the <b>IdMatch</b> , as specified in section <a href="#">3.1.4.1.3.29</a> , and corroborative evidence matches, as specified by the classification engine. This attribute MUST be present.
<b>recommendedConfidence</b>	<b>ProbabilityType</b>	Specifies the confidence level threshold used by the classification engine to trigger an action. This attribute MUST be present.
<b>workload</b>	<b>WorkloadType</b>	This attribute is not used.

### 3.1.4.1.3.17 mce:EvidenceType Complex Type

The **EvidenceType** complex type specifies the classification rules for an affinity-based classification. [<18>](#)

```
<xs:complexType name="EvidenceType">
  <xs:sequence>
    <xs:choice maxOccurs="unbounded">
      <xs:element name="Match" type="mce:MatchType"/>
      <xs:element name="Any" type="mce:AnyType"/>
    </xs:choice>
  </xs:sequence>
  <xs:attribute name="confidenceLevel" type="mce:ProbabilityType" use="required"/>
</xs:complexType>
```

The following table lists the child elements of the **EvidenceType** complex type.

Element	Type	Description
<b>Match</b>	<b>MatchType</b>	Specifies a single classification rule to match. This element can occur zero or more times.
<b>Any</b>	<b>AnyType</b>	Specifies two or more classification rules to match. This element can occur zero or more times.

The following table lists the attributes of the **EvidenceType** complex type.

Attribute	Type	Description
<b>confidenceLevel</b>	<b>ProbabilityType</b>	Specifies the probability of a match. This attribute MUST be present.

### 3.1.4.1.3.18 m:GetServiceConfigurationResponseMessageType Complex Type

The **GetServiceConfigurationResponseMessageType** type contains the response message for a **GetServiceConfiguration** operation. This complex type extends the **ResponseMessageType** complex type, as specified in [\[MS-OXWSCDATA\]](#) section 2.2.4.57.

```
<xs:complexType name="GetServiceConfigurationResponseMessageType">
  <xs:complexContent>
    <xs:extension
      base="m:ResponseMessageType"
    >
      <xs:sequence>
        <xs:element name="ResponseMessages"
          type="m:ArrayOfServiceConfigurationResponseMessageType"
          minOccurs="0"
          maxOccurs="1"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

The following table lists the child elements of the **GetServiceConfigurationResponseMessageType** complex type.

Element name	Type	Description
<b>ResponseMessages</b>	<b>m:ArrayOfServiceConfigurationResponseMessageType</b>	Contains an array of service configuration response messages. This element <b>MUST</b> occur if there are configuration settings.

### 3.1.4.1.3.19 m:GetServiceConfigurationType Complex Type

The **GetServiceConfigurationType** complex type specifies the requested service configurations and identifies the sender or recipient actor who is making the request. The recipient actor can be different from the user account that authenticated with the server. The **GetServiceConfigurationType** complex type extends the **m:BaseRequestType** complex type, as specified in [\[MS-OXWSCDATA\]](#) section 2.2.4.15.

```
<xs:complexType name="GetServiceConfigurationType">
  <xs:complexContent>
    <xs:extension
      base="m:BaseRequestType"
    >
      <xs:sequence>
        <xs:element name="ActingAs"
          type="t:EmailAddressType"
          maxOccurs="1"
          minOccurs="0"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```

    />
    <xs:element name="RequestedConfiguration"
      type="m:ArrayOfServiceConfigurationType"
      maxOccurs="1"
      minOccurs="1"
    />
    <xs:element minOccurs="0" maxOccurs="1" name="ConfigurationRequestDetails"
type="t:ConfigurationRequestDetailsType" />
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

The following table lists the child elements of the **GetServiceConfigurationType** complex type.

Element name	Type	Description
<b>ActingAs</b>	<b>t:EmailAddressType</b> ( <a href="#">[MS-OXWSCDATA]</a> section 2.2.4.27)	Specifies who the caller is sending as in the case of an impersonation scenario.  If this element is not present, the authenticated user is assumed to be the sender.  The <b>ActingAs</b> element MUST be included for requesting sender hints. This element is optional.
<b>RequestedConfiguration</b>	<b>m:ArrayOfServiceConfigurationType</b> (section <a href="#">3.1.4.1.3.8</a> )	Specifies the requested service configurations. This element MUST be present.
<b>ConfigurationRequestDetails</b>	<b>t:ConfigurationRequestDetailsType</b>	Specifies the request policy nudges details. <a href="#">&lt;19&gt;</a>

### 3.1.4.1.3.20 mce:GroupType Complex Type

The **GroupType** complex type specifies the terms in a keyword-based rule. [<20>](#)

```

<xs:complexType name="GroupType">
  <xs:sequence>
    <xs:choice>
      <xs:element name="Term" type="mce:TermType" maxOccurs="unbounded"/>
    </xs:choice>
  </xs:sequence>
  <xs:attribute name="matchStyle" default="word">
    <xs:simpleType>
      <xs:restriction base="xs:NMTOKEN">
        <xs:enumeration value="word"/>
        <xs:enumeration value="string"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>

```

```

    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
</xs:complexType>

```

The following table lists the child elements of the **GroupType** complex type.

Element	Type	Description
<b>Term</b>	<b>TermType</b>	Specifies a term and whether the term is case-sensitive. The term <b>MUST</b> be between 1 and 100 characters in length. There can be one or more <b>Term</b> elements.

The following table lists the attributes of the **GroupType** complex type.

Attribute	Type	Description
<b>matchStyle</b>	<b>simpleType</b> <a href="#">[XMLSCHEMA2]</a>	Specifies whether the match is based on a word or a string. The following are the possible values for this attribute: word string The default value is "word". A word match is based on an entire word; a string match is based on a match of a substring of the string.

### 3.1.4.1.3.21 mce:IdMatchType Complex Type

The **IdMatchType** complex type specifies an entity-based primary match rule. [<21>](#)

```

<xs:complexType name="IdMatchType">
  <xs:attribute name="idRef" type="xs:string" use="required"/>
</xs:complexType>

```

The following table lists the attributes of the **IdMatchType** complex type.

Attribute	Type	Description
<b>idRef</b>	<b>string</b> <a href="#">[XMLSCHEMA2]</a>	Specifies a text processor identifier.

### 3.1.4.1.3.22 mce:KeywordType Complex Type

The **KeywordType** complex type specifies the terms and identifier of a keyword-based rule. [<22>](#)

```

<xs:complexType name="KeywordType">
  <xs:sequence>
    <xs:element name="Group" type="mce:GroupType" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="xs:token" use="required"/>
</xs:complexType>

```

The following table lists the child elements of the **KeywordType** complex type.

Element	Type	Description
<b>Group</b>	<b>GroupType</b>	Specifies a group of terms in a keyword-based text processor.

The following table lists the attributes of the **KeywordType** complex type.

Attribute	Type	Description
<b>id</b>	<b>token</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the unique identifier of a keyword-based text processor.

### 3.1.4.1.3.23 localeType Complex Type

The **localeType** complex type specifies the unique identifier of a keyword-based text processor. [<23>](#)

```
<xs:complexType name="localeType">
  <xs:sequence>
    <xs:element name="complianceNoteUrl" type="xs:anyURI" nillable="true" />
    <xs:element name="text1" type="xs:string" />
    <xs:element name="text2" type="xs:string" />
    <xs:element name="overrideText" type="xs:string" />
    <xs:element name="text3" type="xs:string" />
  </xs:sequence>
  <xs:attribute name="name" type="xs:language" use="required" />
</xs:complexType>
```

The following table lists the child elements of the **localeType** complex type.

Element	Type	Description
<b>complianceNoteUrl</b>	<b>anyURI</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the URL of a compliance note.
<b>text1</b>	<b>string</b> <a href="#">[XMLSCHEMA2]</a>	This element is not used.
<b>text2</b>	<b>string</b>	Specifies a policy tip message.
<b>overrideText</b>	<b>string</b>	This element is not used.
<b>text3</b>	<b>string</b>	This element is not used.

The following table lists the attribute of the **localeType** complex type.

Attribute	Type	Description
<b>name</b>	<b>language</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the language identifier for the <b>localeType</b> complex type.

### 3.1.4.1.3.24 mce:LocalizedDetailsType Complex Type

The **LocalizedDetailsType** complex type specifies the localized information about a rule pack. [<24>](#)

```
<xs:complexType name="LocalizedDetailsType">
  <xs:sequence>
    <xs:element name="PublisherName" type="mce:NameType"/>
  </xs:sequence>
</xs:complexType>
```

```

    <xs:element name="Name" type="mce:RulePackNameType"/>
    <xs:element name="Description" type="mce:OptionalNameType"/>
  </xs:sequence>
  <xs:attribute name="langcode" type="mce:LangType" use="required"/>
</xs:complexType>

```

The following table lists the child elements of the **LocalizedDetailsType** complex type.

Element	Type	Description
<b>PublisherName</b>	<b>NameType</b>	Specifies the name of the rules pack publisher.
<b>Name</b>	<b>RulePackNameType</b>	Specifies the name of a rule pack.
<b>Description</b>	<b>OptionalNameType</b>	Specifies the rule pack description.

The following table lists the attribute of the **LocalizedDetailsType** complex type.

Attribute	Type	Description
<b>langcode</b>	<b>LangType</b>	Specifies the language identifier for the <b>LocalizedDetailsType</b> complex type.

### 3.1.4.1.3.25 mce:LocalizedStringsType Complex Type

The **LocalizedStringsType** complex type specifies localized information about classification rules for both entity-based and affinity-based rules. [<25>](#)

```

<xs:complexType name="LocalizedStringsType">
  <xs:sequence>
    <xs:element name="Resource" type="mce:ResourceType" maxOccurs="unbounded">
      <xs:key name="UniqueLangCodeUsedInNamePerResource">
        <xs:selector xpath="mce:Name"/>
        <xs:field xpath="@langcode"/>
      </xs:key>
      <xs:key name="UniqueLangCodeUsedInDescriptionPerResource">
        <xs:selector xpath="mce:Description"/>
        <xs:field xpath="@langcode"/>
      </xs:key>
    </xs:element>
  </xs:sequence>
</xs:complexType>

```

The following table lists the child elements of the **LocalizedStringsType** complex type.

Element	Type	Description
<b>Resource</b>	<b>ResourceType</b>	Specifies localized information about entity-based and affinity-based classification rules. Only one <b>Resource</b> element per unique entity or affinity MUST exist, and the language code used in the <b>Name</b> and <b>Description</b> elements MUST be unique per <b>Resource</b> element.

### 3.1.4.1.3.26 mce:MatchType Complex Type

The **MatchType** complex type specifies a classification rule match. [<26>](#)

```

<xs:complexType name="MatchType">
  <xs:attribute name="idRef" type="xs:string" use="required"/>
</xs:complexType>

```

The following table lists the attribute of the **MatchType** complex type.

Attribute	Type	Description
<b>idRef</b>	<b>string</b> <a href="#">[XMLSCHEMA2]</a>	Specifies a text processor identifier. This attribute MUST be present.

### 3.1.4.1.3.27 t:MailTipsServiceConfiguration Complex Type

The **MailTipsServiceConfiguration** complex type contains service configuration information for the mail tips service. This complex type extends the **ServiceConfigurationType** simple type.

```

<xs:complexType name="MailTipsServiceConfiguration">
  <xs:complexContent>
    <xs:extension base="t:ServiceConfiguration">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1"
name="MaxRecipientsPerGetMailTipsRequest" type="xs:int"/>
        <xs:element minOccurs="1" maxOccurs="1" name="MaxMessageSize" type="xs:int"/>
        <xs:element minOccurs="1" maxOccurs="1" name="LargeAudienceThreshold"
type="xs:int"/>
        <xs:element minOccurs="1" maxOccurs="1" name="ShowExternalRecipientCount"
type="xs:boolean"/>
        <xs:element minOccurs="1" maxOccurs="1" name="InternalDomains"
type="t:SmtpDomainList"/>
        <xs:element minOccurs="1" maxOccurs="1" name="PolicyTipsEnabled"
type="xs:boolean" />
        <xs:element minOccurs="1" maxOccurs="1" name="LargeAudienceCap" type="xs:int"
/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

The following table lists the child elements of the **MailTipsServiceConfiguration** complex type.

Element name	Type	Description
<b>MailTipsEnabled</b>	<b>xs:boolean</b> <a href="#">[XMLSCHEMA2]</a>	Specifies whether the mail tips service is available.
<b>MaxRecipientsPerGetMailTipsRequest</b>	<b>xs:int</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the maximum number of <b>recipients</b> that can be passed to the <b>GetMailTips</b> operation ( <a href="#">[MS-OXWMT]</a> section 3.1.4.1).  This element MUST be included if the <b>MailTipsServiceConfiguration</b> complex type is used and MUST be a non-negative integer.
<b>MaxMessageSize</b>	<b>xs:int</b>	Specifies the maximum message size



Element name	Type	Description
		that the user identified by the <b>ActingAs</b> element can send. This element <b>MUST</b> be included if the <b>MailTipsServiceConfiguration</b> complex type is used and <b>MUST</b> be a non-negative integer.
<b>LargeAudienceThreshold</b>	<b>xs:int</b>	Specifies the large audience threshold for clients. This element <b>MUST</b> be included if the <b>MailTipsServiceConfiguration</b> complex type is used and <b>MUST</b> be a non-negative integer.
<b>ShowExternalRecipientCount</b>	<b>xs:boolean</b>	Specifies whether <b>GetMailTips</b> operation clients have to show mail tips that indicate the number of external recipients to which a message is addressed. This element <b>MUST</b> be included if the <b>MailTipsServiceConfiguration</b> complex type is used.
<b>InternalDomains</b>	<b>t:SmtptDomainList</b> (section <a href="#">3.1.4.1.3.59</a> )	Specifies a list of <b>SMTP domains</b> that are internal to an organization. This information is provided so that mail client software can provide external recipient mail tips when offline. This element <b>MUST</b> be included if the <b>MailTipsServiceConfiguration</b> complex type is used.
<b>PolicyTipsEnabled</b>	<b>xs:boolean</b>	Specifies whether policy tips are enabled. <a href="#">&lt;27&gt;</a>
<b>LargeAudienceCap</b>	<b>xs:int</b>	Specifies the maximum number of recipients for a mailbox item. <a href="#">&lt;28&gt;</a>

### 3.1.4.1.3.28 orType Complex Type

The **orType** complex type specifies a logical **OR** for rule predicates. This type extends the **predicateElementMultipleChildType** complex type. [<29>](#)

```
<xs:complexType name="orType">
  <xs:complexContent>
    <xs:extension base="predicateElementMultipleChildType">
      <xs:attribute name="earlyOut" use="optional">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <!-- Case insensitive: true, yes, y, 1, false, no, n, 0-->
            <xs:pattern
value="([Tt][Rr][Uu][Ee])|([Yy]([Ee][Ss])?)|([1])|([Ff][Aa][Ll][Ss][Ee])|([Nn][Oo]?)|([0])"
/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```

    </xs:attribute>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

The following table lists the attribute of the **orType** complex type

Attribute	Type	Description
<b>earlyOut</b>	<b>string</b> <a href="#">[XMLSCHEMA2]</a>	<p>Specifies whether the logical <b>OR</b> acts as an early out operator. This attribute is optional. The following are the valid values for this attribute:</p> <p>true yes y 1 false no n 0</p> <p>The early out operator can be used to capture additional information after the <b>OR</b> operator evaluates to <b>true</b>.</p>

### 3.1.4.1.3.29 mce:PatternType Complex Type

The **PatternType** complex type specifies the pattern for an entity classification. [<30>](#)

```

<xs:complexType name="PatternType">
  <xs:sequence>
    <xs:element name="IdMatch" type="mce:IdMatchType"/>
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="Match" type="mce:MatchType"/>
      <xs:element name="Any" type="mce:AnyType"/>
    </xs:choice>
  </xs:sequence>
  <xs:attribute name="confidenceLevel" type="mce:ProbabilityType" use="required"/>
</xs:complexType>

```

The following table lists the child elements of the **PatternType** complex type.

Element	Type	Description
<b>IdMatch</b>	<b>IdMatchType</b>	Specifies an identifier of a text processor that is used as the primary match for this entity-based classification rule. This element <b>MUST</b> be present.
<b>Match</b>	<b>MatchType</b>	Specifies a corroborative evidence match.
<b>Any</b>	<b>AnyType</b>	Specifies one or more corroborative evidence matches where if any of the corroborative evidences are matched, then the rule condition is processed as a match.

The following table lists the attribute of the **EntityType** complex type.

Attribute	Type	Description
<b>confidenceLevel</b>	<b>ProbabilityType</b>	Specifies the confidence level for this entity when the pattern is matched by the classification engine. This attribute is required.

### 3.1.4.1.3.30 t:PolicyNudgeRulesServiceConfiguration

The **PolicyNudgeRulesServiceConfiguration** complex type contains the policy nudge configuration data. The top-level element defined by the **any** element definition is the **PolicyNudgeRulesConfiguration** element, as specified in section [3.1.4.1.2.3.<31>](#)

```
<xs:complexType name="PolicyNudgeRulesServiceConfiguration">
  <xs:sequence>
    <xs:any processContents="skip" minOccurs="0" maxOccurs="unbounded" namespace="##any"/>
  </xs:sequence>
</xs:complexType>
```

### 3.1.4.1.3.31 PolicyNudgeRulesConfigurationType Complex Type

The **PolicyNudgeRulesConfigurationType** complex type specifies the set of policy nudge rules and classification definitions that are sent to a client.<32>

```
<xs:complexType name="PolicyNudgeRulesConfigurationType">
  <xs:sequence>
    <xs:element name="PolicyNudgeRules" type="PolicyNudgeRulesType">
      <!-- Ensure that 2 Policy Nudge Rules (rule) don't have the same name -->
      <xs:unique name="ruleNameUnique">
        <xs:selector xpath="PolicyNudgeRule/rule" />
        <xs:field xpath="@name"/>
      </xs:unique>
      <!-- Ensure that 2 Policy Nudge Rule envelopes (PolicyNudgeRule) don't have the same
id -->
      <xs:unique name="policyNudgeRuleIDUnique">
        <xs:selector xpath="PolicyNudgeRule" />
        <xs:field xpath="@id"/>
      </xs:unique>
    </xs:element>
    <xs:element name="ClassificationDefinitions" type="ClassificationDefinitionsType">
      <!-- Ensure that 2 Classification Definition envelopes (ClassificationDefinition)
don't have the same id -->
      <xs:unique name="classificationDefinitionIDUnique">
        <xs:selector xpath="ClassificationDefinition" />
        <xs:field xpath="@id"/>
      </xs:unique>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

The following table lists the child elements of the **PolicyNudgeRulesConfigurationType** complex type.

Element	Type	Description
<b>PolicyNudgeRules</b>	<b>PolicyNudgeRulesType</b>	Specifies a collection of policy nudge rules. Each policy nudge rule MUST have

Element	Type	Description
		a unique name and identifier.
<b>ClassificationDefinitions</b>	<b>ClassificationDefinitionsType</b>	Specifies a collection of classification definitions. Each classification definition MUST have a unique identifier.

### 3.1.4.1.3.32 mce:PolicyNudgeRulesType Complex Type

The **PolicyNudgeRulesType** complex type specifies a collection of policy nudge rules. This complex type extends the **ApplyType** complex type. [<33>](#)

```
<xs:complexType name="PolicyNudgeRulesType">
  <xs:complexContent>
    <xs:extension base="ApplyType">
      <xs:sequence>
        <xs:element name="PolicyNudgeRule" type="PolicyNudgeRuleType" minOccurs="0"
maxOccurs="unbounded" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

The following table lists the child element of the **PolicyNudgeRulesType** complex type.

Element	Type	Description
<b>PolicyNudgeRule</b>	<b>PolicyNudgeRuleType</b>	Specifies a single policy nudge rule.

### 3.1.4.1.3.33 PolicyNudgeRuleType Complex Type

The **PolicyNudgeRuleType** complex type specifies a single policy nudge rule. [<34>](#)

```
<xs:complexType name="PolicyNudgeRuleType">
  <xs:sequence>
    <xs:element name="rule" type="ruleType" />
  </xs:sequence>
  <xs:attribute name="id" type="xs:string" use="required" />
  <xs:attribute name="version" type="xs:long" use="required" />
  <xs:anyAttribute processContents="skip" />
</xs:complexType>
```

The following table lists the child element of the **PolicyNudgeRuleType** complex type.

Element	Type	Description
<b>rule</b>	<b>ruleType</b>	Specifies a rule definition.

The following table lists the attributes of the **PolicyNudgeRuleType** complex type.

Attribute	Type	Description
<b>id</b>	<b>xs:string</b> <a href="#">[XMLSCHEMA2]</a>	Specifies a policy nudge rule identifier. This attribute MUST be present.
<b>version</b>	<b>xs:long</b> <a href="#">[XMLSCHEMA2]</a>	Specifies a policy nudge rule version. This attribute MUST be present.
	<b>xs:anyAttribute</b> <a href="#">[XMLSCHEMA2]</a>	Indicates that the server can send non-predefined attributes in a response to the client. The client MUST send back the same attributes in subsequent requests.

### 3.1.4.1.3.34 predicateElementConstantType Complex Type

The **predicateElementConstantType** complex type specifies the type of all constant rule predicates. All elements of this type MUST be empty. [<35>](#)

```
<xs:complexType name="predicateElementConstantType" />
```

### 3.1.4.1.3.35 predicateElementMultipleChildType Complex Type

The **predicateElementMultipleChildType** complex type specifies multiple predicates and logical operators for a classification definition. [<36>](#)

```
<xs:complexType name="predicateElementMultipleChildType">
  <xs:choice minOccurs="1" maxOccurs="unbounded">
    <xs:element name="and" type="predicateElementMultipleChildType" />
    <xs:element name="classification" type="classificationType" />
    <xs:element name="classifications" type="predicateElementSingleChildType" />
    <xs:element name="false" type="predicateElementConstantType" />
    <xs:element name="not" type="predicateElementSingleChildType" />
    <xs:element name="or" type="orType" />
    <xs:element name="recipient" type="recipientType" />
    <xs:element name="recipients" type="predicateElementSingleChildType" />
    <xs:element name="sender" type="senderType" />
    <xs:element name="senders" type="predicateElementSingleChildType" />
    <xs:element name="true" type="predicateElementConstantType" />
  </xs:choice>
</xs:complexType>
```

The following table lists the elements of the **predicateElementMultipleChildType** complex type.

Element	Type	Description
<b>and</b>	<b>mce:predicateElementMultipleChildType</b>	Specifies a logical <b>AND</b> for one or more predicates.
<b>classification</b>	<b>mce:classificationType</b>	Specifies a classification identifier.
<b>classifications</b>	<b>mce:predicateElementSingleChildType</b>	This element is not used.
<b>false</b>	<b>mce:predicateElementConstantType</b>	Specifies the <b>false</b> constant predicate.
<b>not</b>	<b>mce:predicateElementSingleChildType</b>	Specifies a <b>not</b> predicate.

Element	Type	Description
<b>or</b>	<b>mce:orType</b>	Specifies a logical <b>OR</b> .
<b>recipient</b>	<b>mce:recipientType</b>	Specifies a message recipient that can be used in a predicate
<b>recipients</b>	<b>mce:predicateElementSingleChildType</b>	This element is not used.
<b>sender</b>	<b>mce:senderType</b>	Specifies a message sender that can be used in a predicate.
<b>senders</b>	<b>mce:predicateElementSingleChildType</b>	This element is not used.
<b>true</b>	<b>mce:predicateElementConstantType</b>	Specifies the <b>true</b> constant predicate.

### 3.1.4.1.3.36 predicateElementSingleChildType Complex Type

The **predicateElementSingleChildType** complex type specifies a single predicate or logical operator for a classification definition. [<37>](#)

```
<xs:complexType name="predicateElementSingleChildType">
  <xs:choice>
    <xs:element name="and" type="predicateElementMultipleChildType" />
    <xs:element name="classification" type="classificationType" />
    <xs:element name="classifications" type="predicateElementSingleChildType" />
    <xs:element name="false" type="predicateElementConstantType" />
    <xs:element name="not" type="predicateElementSingleChildType" />
    <xs:element name="or" type="orType" />
    <xs:element name="recipient" type="recipientType" />
    <xs:element name="recipients" type="predicateElementSingleChildType" />
    <xs:element name="sender" type="senderType" />
    <xs:element name="senders" type="predicateElementSingleChildType" />
    <xs:element name="true" type="predicateElementConstantType" />
  </xs:choice>
</xs:complexType>
```

The following table describes the child elements of the **predicateElementSingleChildType** complex type.

Element	Type	Description
<b>and</b>	<b>mce:predicateElementMultipleChildType</b>	Specifies a logical <b>AND</b> for one or more predicates.
<b>classification</b>	<b>mce:classificationType</b>	Specifies a classification identifier.
<b>classifications</b>	<b>mce:predicateElementSingleChildType</b>	Specifies a container for many classification identifiers.
<b>false</b>	<b>mce:predicateElementConstantType</b>	Specifies the <b>false</b> constant predicate.
<b>not</b>	<b>mce:predicateElementSingleChildType</b>	Specifies a <b>not</b> predicate.
<b>or</b>	<b>mce:orType</b>	Specifies a logical <b>OR</b> .
<b>recipient</b>	<b>mce:recipientType</b>	Specifies a message recipient that can

Element	Type	Description
		be used in a predicate.
<b>recipients</b>	<b>mce:predicateElementSingleChildType</b>	Specifies a container for many message recipients.
<b>sender</b>	<b>mce:senderType</b>	Specifies a message sender that can be used in a predicate.
<b>senders</b>	<b>mce:predicateElementSingleChildType</b>	Specifies a container for many message senders.
<b>true</b>	<b>mce:predicateElementConstantType</b>	Specifies the <b>true</b> constant predicate.

### 3.1.4.1.3.37 t:ProtectionRuleActionType Complex Type

The **ProtectionRuleActionType** complex type specifies the action that the client can take if the condition part of the associated rule matches.

```
<xs:complexType name="ProtectionRuleActionType">
  <xs:sequence>
    <xs:element name="Argument"
      type="t:ProtectionRuleArgumentType"
      maxOccurs="unbounded"
      minOccurs="0"
    />
  </xs:sequence>
  <xs:attribute name="Name"
    type="t:ProtectionRuleActionKindType"
    use="required"
  />
</xs:complexType>
```

The following table lists the child elements of the **ProtectionRuleActionType** complex type.

Element name	Type	Description
<b>Argument</b>	<b>t:ProtectionRuleArgumentType</b>	Specifies arguments to the action. This element MUST NOT occur if the specified action does not require arguments to be specified. This element can occur one or more times if an action requires one or more arguments. The <b>RightsProtectMessage</b> action MUST contain a single argument.

The following table lists the attributes of the **ProtectionRuleActionType** complex type.

Attribute name	Type	Description
<b>Name</b>	<b>t:ProtectionRuleActionKindType</b> (section <a href="#">3.1.4.1.4.6</a> )	Specifies the name of the action. This attribute MUST be present.

### 3.1.4.1.3.38 t:ProtectionRuleAndType Complex Type

The **ProtectionRuleAndType** complex type specifies that there has to be more than one protection rule condition. Elements of type **ProtectionRuleAndType** MUST contain at least one child element.

```
<xs:complexType name="ProtectionRuleAndType">
  <xs:sequence>
    <xs:choice
      minOccurs="1"
      maxOccurs="unbounded"
    >
      <xs:element name="AllInternal"
        type="t:ProtectionRuleAllInternalType"
      />
      <xs:element name="And"
        type="t:ProtectionRuleAndType"
      />
      <xs:element name="RecipientIs"
        type="t:ProtectionRuleRecipientIsType"
      />
      <xs:element name="SenderDepartments"
        type="t:ProtectionRuleSenderDepartmentsType"
      />
      <xs:element name="True"
        type="t:ProtectionRuleTrueType"
      />
    </xs:choice>
  </xs:sequence>
</xs:complexType>
```

The following table lists the child elements of the **ProtectionRuleAndType** complex type.

Element name	Type	Description
<b>AllInternal</b>	<b>t:ProtectionRuleAllInternalType</b> (section <a href="#">3.1.4.1.4.7</a> )	Evaluates to <b>true</b> if all recipients of an email message are internal to the sender's organization.
<b>And</b>	<b>t:ProtectionRuleAndType</b>	Specifies that all child elements MUST match to evaluate to <b>true</b> .
<b>RecipientIs</b>	<b>t:ProtectionRuleRecipientIsType</b> (section <a href="#">3.1.4.1.3.41</a> )	Evaluates to <b>true</b> if any recipient of the email message matches any of the specified recipients in the child <b>Value</b> elements.
<b>SenderDepartments</b>	<b>t:ProtectionRuleSenderDepartmentsType</b> (section <a href="#">3.1.4.1.3.42</a> )	Evaluates to <b>true</b> if the department of the sender matches any specified department in the child <b>Value</b> elements.
<b>True</b>	<b>t:ProtectionRuleTrueType</b> (section <a href="#">3.1.4.1.4.8</a> )	Specifies a condition that always matches.



### 3.1.4.1.3.39 t:ProtectionRuleArgumentType Complex Type

The **ProtectionRuleArgumentType** complex type specifies an attribute that is used to specify an argument to an action. The protection is identified by the **Value** attribute.

```
<xs:complexType name="ProtectionRuleArgumentType">
  <xs:attribute name="Value"
    use="required"
  >
    <xs:simpleType>
      <xs:restriction
        base="xs:string"
      >
        <xs:minLength
          value="1"
        />
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>
```

The following table lists the attributes of the **ProtectionRuleArgumentType** complex type.

Attribute name	Type	Description
<b>Value</b>	<b>xs:string</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the value of an argument to the action part of a protection rule. This attribute value MUST be a string of at least one character in length.

### 3.1.4.1.3.40 t:ProtectionRuleConditionType Complex Type

The **ProtectionRuleConditionType** complex type specifies the condition part of a protection rule.

```
<xs:complexType name="ProtectionRuleConditionType">
  <xs:choice
    maxOccurs="1"
    minOccurs="1"
  >
    <xs:element name="AllInternal"
      type="t:ProtectionRuleAllInternalType"
    />
    <xs:element name="And"
      type="t:ProtectionRuleAndType"
    />
    <xs:element name="RecipientIs"
      type="t:ProtectionRuleRecipientIsType"
    />
    <xs:element name="SenderDepartments"
      type="t:ProtectionRuleSenderDepartmentsType"
    />
    <xs:element name="True"
      type="t:ProtectionRuleAllInternalType"
    />
  </xs:choice>
```

```
</xs:choice>
</xs:complexType>
```

The following table lists the child elements of the **ProtectionRuleConditionType** complex type.

Element name	Type	Description
<b>AllInternal</b>	<b>t:ProtectionRuleAllInternalType</b> (section <a href="#">3.1.4.1.4.7</a> )	The <b>AllInternal</b> element evaluates to <b>true</b> if all recipients of an email message are internal to the sender's organization. If this element exists, the <b>And</b> , <b>RecipientsIs</b> , <b>SenderDepartments</b> , and <b>True</b> elements MUST NOT be a direct child node of elements of type <b>ProtectionRuleConditionType</b> .
<b>And</b>	<b>t:ProtectionRuleAndType</b> (section <a href="#">3.1.4.1.3.38</a> )	Specifies that all child elements MUST match to evaluate to <b>true</b> . Specifies that there MUST be more than one protection rule child condition. If this element exists, the <b>AllInternal</b> , <b>RecipientsIs</b> , <b>SenderDepartments</b> , and <b>True</b> elements MUST NOT be a direct child node of elements of type <b>ProtectionRuleConditionType</b> .
<b>RecipientIs</b>	<b>t:ProtectionRuleRecipientIsType</b> (section <a href="#">3.1.4.1.3.41</a> )	Specifies that any recipient of the e-mail message matches any of the specified recipients in the child <b>Value</b> elements. If this element exists, the <b>And</b> , <b>AllInternal</b> , <b>SenderDepartments</b> , and <b>True</b> elements MUST NOT be a direct child node of elements of type <b>ProtectionRuleConditionType</b> .
<b>SenderDepartments</b>	<b>t:ProtectionRuleSenderDepartmentsType</b> (section <a href="#">3.1.4.1.3.42</a> )	Specifies that the department of the sender matches any of the specified departments in the child <b>Value</b> elements. If this element exists, the <b>And</b> , <b>RecipientsIs</b> , <b>AllInternal</b> , and <b>True</b> elements MUST NOT be a direct child node of elements of type <b>ProtectionRuleConditionType</b> .
<b>True</b>	<b>t:ProtectionRuleAllInternalType</b> (section <a href="#">3.1.4.1.4.7</a> )	Specifies a condition that always matches. If this element exists, the <b>And</b> , <b>RecipientsIs</b> , <b>SenderDepartments</b> , and

Element name	Type	Description
		<b>AllInternal</b> elements MUST NOT be a direct child node of elements of type <b>ProtectionRuleConditionType</b> .

### 3.1.4.1.3.41 t:ProtectionRuleRecipientIsType Complex Type

The **ProtectionRuleRecipientIsType** complex type specifies a condition that matches if any recipients of the email message match any specified recipients in the child **Value** elements.

```
<xs:complexType name="ProtectionRuleRecipientIsType">
  <xs:sequence>
    <xs:element name="Value"
      type="t:ProtectionRuleValueType"
      minOccurs="1"
      maxOccurs="unbounded"
    />
  </xs:sequence>
</xs:complexType>
```

The following table lists the child elements of the **ProtectionRuleRecipientIsType** complex type.

Element name	Type	Description
<b>Value</b>	<b>t:ProtectionRuleValueType</b> (section <a href="#">3.1.4.1.4.9</a> )	Specifies an argument to the <b>RecipientIs</b> condition. This element MUST occur at least once.

### 3.1.4.1.3.42 t:ProtectionRuleSenderDepartmentsType Complex Type

The **ProtectionRuleSenderDepartmentsType** type specifies a condition that matches if the department of the sender of the email message matches any of the specified departments in the child **Value** elements.

```
<xs:complexType name="ProtectionRuleSenderDepartmentsType">
  <xs:sequence>
    <xs:element name="Value"
      type="t:ProtectionRuleValueType"
      minOccurs="1"
      maxOccurs="unbounded"
    />
  </xs:sequence>
</xs:complexType>
```

The following table lists the child elements of the **ProtectionRuleSenderDepartmentsType** complex type.

Element name	Type	Description
Value	<b>t:ProtectionRuleValueType</b> (section <a href="#">3.1.4.1.4.9</a> )	Specifies an argument to the <b>SenderDepartments</b> condition. This element MUST occur at least once.

### 3.1.4.1.3.43 t:ProtectionRulesServiceConfiguration Complex Type

The **ProtectionRulesServiceConfiguration** complex type specifies the configuration of the protection rules service. The configuration is comprised of a list of rules, internal domains, and a refresh interval. The **ProtectionRulesServiceConfiguration** complex type extends the **t:ServiceConfiguration** complex type, as specified in section [3.1.4.1.3.56](#).

```
<xs:complexType name="ProtectionRulesServiceConfiguration">
  <xs:complexContent>
    <xs:extension
      base="t:ServiceConfiguration"
    >
      <xs:sequence>
        <xs:element name="Rules"
          type="t:ArrayOfProtectionRulesType"
          maxOccurs="1"
          minOccurs="1"
        />
        <xs:element name="InternalDomains"
          type="t:SmtpDomainList"
          maxOccurs="1"
          minOccurs="1"
        />
      </xs:sequence>
      <xs:attribute name="RefreshInterval"
        use="required"
      >
        <xs:simpleType>
          <xs:restriction
            base="xs:int"
          >
            <xs:minInclusive
              value="1"
            />
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

The following table lists the child elements of the **ProtectionRulesServiceConfiguration** complex type.

Element name	Type	Description
Rules	<b>t:ArrayOfProtectionRulesType</b> (section <a href="#">3.1.4.1.3.6</a> )	Specifies the collection of rules to be evaluated.

Element name	Type	Description
		This element MUST be included if the <b>ProtectionRulesServiceConfiguration</b> complex type is used.
<b>InternalDomains</b>	<b>t:SmtpDomainList</b> (section <a href="#">3.1.4.1.3.59</a> )	Specifies the list of internal SMTP domains of the organization. This element MUST be included if the <b>ProtectionRulesServiceConfiguration</b> complex type is used.

The following table lists the attributes of the **ProtectionRulesServiceConfiguration** complex type.

Attribute name	Type	Description
<b>RefreshInterval</b>	<b>xs:int</b>	Specifies how often, in whole hours, the client SHOULD request protection rules from the server. This attribute MUST be included if the <b>ProtectionRulesServiceConfiguration</b> complex type is used.

### 3.1.4.1.3.44 t:ProtectionRuleType Complex Type

The **ProtectionRuleType** complex type specifies a single protection rule.

```
<xs:complexType name="ProtectionRuleType">
  <xs:sequence>
    <xs:element name="Condition" type="t:ProtectionRuleConditionType" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="Action" type="t:ProtectionRuleActionType" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="Name" use="required">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:minLength value="1"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
  <xs:attribute name="UserOverridable" type="xs:boolean" use="required" />
  <xs:attribute name="Priority" use="required" >
    <xs:simpleType>
      <xs:restriction base="xs:int">
        <xs:minInclusive value="1"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>
```

The following table lists the child elements of the **ProtectionRuleType** complex type.

Element name	Type	Definition
<b>Condition</b>	<b>t:ProtectionRuleConditionType</b> (section <a href="#">3.1.4.1.3.40</a> )	Specifies the condition that MUST be satisfied for the action part of the rule to be executed. This element MUST be included if the

Element name	Type	Definition
		<b>ProtectionRuleType</b> complex type is used.
<b>Action</b>	<b>t:ProtectionRuleActionType</b>	Specifies what action MUST be executed if the condition part of the rule matches. This element MUST be included if the <b>ProtectionRuleType</b> complex type is used.

The following table lists the attributes of the **ProtectionRuleType** complex type.

Attribute name	Type	Definition
<b>Name</b>	<b>xs:string</b>	Specifies the name of the rule. This attribute MUST be included if the <b>ProtectionRuleType</b> complex type is used. This attribute value MUST contain a string of at least one character.
<b>UserOverridable</b>	<b>xs:boolean</b>	Specifies whether the rule is mandatory. If the rule is mandatory, this attribute value MUST be <b>false</b> . This attribute MUST be included if the <b>ProtectionRuleType</b> complex type is used.
<b>Priority</b>	<b>xs:int</b>	Specifies the rule priority. The lower bound MUST be 1. This attribute MUST be included if the <b>ProtectionRuleType</b> complex type is used. This attribute value MUST contain an integer value of at least 1.

### 3.1.4.1.3.45 mce:PublisherType Complex Type

The **PublisherType** complex type specifies the unique identifier of a rule pack publisher. [<38>](#)

```
<xs:complexType name="PublisherType">
  <xs:attribute name="id" type="mce:GuidType" use="required"/>
</xs:complexType>
```

The following table lists the attribute of the **PublisherType** complex type.

Attribute name	Type	Definition
<b>id</b>	<b>GuidType</b>	Specifies the rules pack publisher's identifier. This attribute MUST be present.

### 3.1.4.1.3.46 recipientType Complex Type

The **recipientType** complex type specifies a recipient in a classification definition. No more than one of the attributes in this type can be present. [<39>](#)

```
<xs:complexType name="recipientType">
  <xs:attribute name="address" type="xs:string" use="optional" />
  <xs:attribute name="domain" type="xs:string" use="optional" />
  <xs:attribute name="scope" use="optional">
```

```

<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:enumeration value="Internal"/>
    <xs:enumeration value="External"/>
    <xs:enumeration value="ExternalNonPartner"/>
    <xs:enumeration value="ExternalPartner"/>
  </xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:complexType>

```

The following table lists the attributes of the **recipientType** complex type.

Attribute	Type	Description
<b>address</b>	<b>string</b> <a href="#">[XMLSCHEMA2]</a>	Specifies a recipient's email address.
<b>domain</b>	<b>string</b>	Specifies a recipient's domain.
<b>scope</b>	<b>string</b>	Specifies a recipient's organizational scope as compared to the target mailbox user. The following are the applicable values for this attribute: Internal External ExternalNonPartner ExternalPartner

#### 3.1.4.1.3.47 mce:RegexType Complex Type

The **RegexType** complex type specifies a regular expression text processor. [<40>](#)

```

<xs:complexType name="RegexType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="id" type="xs:token" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

The following table lists the attribute of the **RegexType** complex type.

Attribute	Type	Description
<b>id</b>	<b>xs:token</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the regular expression text processor identifier.

#### 3.1.4.1.3.48 mce:ResourceNameType Complex Type

The **ResourceNameType** complex type specifies a localized name for a classification rule. [<41>](#)

```

<xs:complexType name="ResourceNameType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="default" type="xs:boolean" default="false"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

```

    <xs:attribute name="langcode" type="mce:LangType" use="required"/>
  </xs:extension>
</xs:simpleContent>
</xs:complexType>

```

The following table lists the attributes of the **ResourceNameType** complex type.

Attribute	Type	Description
<b>default</b>	<b>xs:boolean</b> <a href="#">[XMLSCHEMA2]</a>	Specifies whether this is the default resource name. The default value is "false".
<b>langcode</b>	<b>mce:LangType</b>	Specifies the language code that represents the localized name of a classification rule. The <b>langcode</b> attribute value of all <b>Name</b> elements MUST be unique per <b>Resource</b> element. This attribute MUST be present.

### 3.1.4.1.3.49 mce:ResourceType Complex Type

The **ResourceType** complex type specifies the localized names and descriptions of a classification rule. [<42>](#)

```

<xs:complexType name="ResourceType">
  <xs:sequence>
    <xs:element name="Name" type="mce:ResourceNameType" maxOccurs="unbounded"/>
    <xs:element name="Description" type="mce:DescriptionType" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="idRef" type="mce:GuidType" use="required"/>
</xs:complexType>

```

The following table lists the child elements of the **ResourceType** complex type.

Element	Type	Description
<b>Name</b>	<b>mce:ResourceNameType</b> (section <a href="#">3.1.4.1.3.48</a> )	Specifies a localized resource name.
<b>Description</b>	<b>mce:DescriptionType</b> (section <a href="#">3.1.4.1.3.13</a> )	Specifies a localized resource description. A Resource element, as specified in section <a href="#">3.1.4.1.3.25</a> , of type <b>ResourceType</b> MUST have only one <b>Description</b> element with a value <b>default</b> attribute set to the value of <b>true</b> .

The following table lists the attribute of the **ResourceType** complex type.

Attribute	Type	Description
<b>idRef</b>	<b>mce:GuidType</b> (section <a href="#">3.1.4.1.4.1</a> )	Specifies the classification rule identifier which this resource represents.

### 3.1.4.1.3.50 mce:RulePackageContainerType Complex Type

The **RulePackageContainerType** complex type contains a single rule package. [<43>](#)



```

<xs:complexType name="RulePackageContainerType">
  <xs:sequence>
    <xs:element name="RulePackage" type="mce:RulePackageType" />
  </xs:sequence>
</xs:complexType>

```

The following table lists the child elements of the **RulePackageContainerType** complex type.

Element	Type	Description
<b>RulePackage</b>	<b>mce:RulePackageType</b>	Specifies a classification rule package. This element <b>MUST</b> be present.

### 3.1.4.1.3.51 mce:RulePackageType Complex Type

The **RulePackageType** complex type specifies the rule pack identifier and the set of classification definitions rules. [<44>](#)

```

<xs:complexType name="RulePackageType">
  <xs:sequence>
    <xs:element name="RulePack" type="mce:RulePackType"/>
    <xs:element name="Rules" type="mce:RulesType">
      <xs:key name="UniqueRuleId">
        <xs:selector xpath="mce:Entity|mce:Affinity"/>
        <xs:field xpath="@id"/>
      </xs:key>
      <xs:key name="UniqueProcessorId">
        <xs:selector xpath="mce:Regex|mce:Keyword"/></xs:selector>
        <xs:field xpath="@id"/>
      </xs:key>
      <xs:key name="UniqueResourceIdRef">
        <xs:selector xpath="mce:LocalizedStrings/mce:Resource"/>
        <xs:field xpath="@idRef"/>
      </xs:key>
      <xs:keyref name="ReferencedRuleMustExist" refer="mce:UniqueRuleId">
        <xs:selector xpath="mce:LocalizedStrings/mce:Resource"/>
        <xs:field xpath="@idRef"/>
      </xs:keyref>
      <xs:keyref name="RuleMustHaveResource" refer="mce:UniqueResourceIdRef">
        <xs:selector xpath="mce:Entity|mce:Affinity"/>
        <xs:field xpath="@id"/>
      </xs:keyref>
    </xs:element>
  </xs:sequence>
</xs:complexType>

```

The following table lists the child elements of the **RulePackageType** complex type.

Element	Type	Description
<b>RulePack</b>	<b>mce:RulePackType</b> (section <a href="#">3.1.4.1.3.52</a> )	Specifies the version, publisher information, and localized information of a rule pack.
<b>Rules</b>	<b>mce:RulesType</b> (section <a href="#">3.1.4.1.3.54</a> )	Specifies a collection of classification rules, text processors, and localized information of the classification

Element	Type	Description
		rules.

### 3.1.4.1.3.52 mce:RulePackType Complex Type

The **RulePackType** complex type specifies the version, identifier, and publisher of a rule pack. <45>

```
<xs:complexType name="RulePackType">
  <xs:sequence>
    <xs:element name="Version" type="mce:VersionType"/>
    <xs:element name="Publisher" type="mce:PublisherType"/>
    <xs:element name="Details" type="mce:DetailsType">
      <xs:key name="UniqueLangCodeInLocalizedDetails">
        <xs:selector xpath="mce:LocalizedDetails"/>
        <xs:field xpath="@langcode"/>
      </xs:key>
      <xs:keyref name="DefaultLangCodeMustExist"
        refer="mce:UniqueLangCodeInLocalizedDetails">
        <xs:selector xpath="."/>
        <xs:field xpath="@defaultLangCode"/>
      </xs:keyref>
    </xs:element>
    <xs:element name="Encryption" type="mce:EncryptionType" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="id" type="mce:GuidType" use="required"/>
</xs:complexType>
```

The following table describes the child elements of the **RulePackType** complex type.

Element	Type	Description
<b>Version</b>	<b>mce:VersionType</b> (section <a href="#">3.1.4.1.3.62</a> )	Specifies the rule pack version. This element MUST be present.
<b>Publisher</b>	<b>mce:PublisherType</b> (section <a href="#">3.1.4.1.3.45</a> )	Specifies the rule pack publisher. This element MUST be present.
<b>Details</b>	<b>mce:DetailsType</b> (section <a href="#">3.1.4.1.3.14</a> )	Specifies the rule pack localized information. This element MUST be present.
<b>Encryption</b>	<b>mce:EncryptionType</b> (section <a href="#">3.1.4.1.3.15</a> )	Specifies the rule pack encryption key and initialization vector. This MUST only be present when the rule pack is encrypted.

The following table describes the attribute of the **RulePackType** complex type.

Attribute	Type	Description
<b>id</b>	<b>mce:GuidType</b> (section <a href="#">3.1.4.1.4.1</a> )	Specifies the rule pack identifier.

### 3.1.4.1.3.53 ruleType Complex Type

The **ruleType** complex type specifies a policy nudge rule. <46>

```

<xs:complexType name="ruleType">
  <xs:sequence>
    <xs:element name="version" type="versionType" minOccurs="1" maxOccurs="unbounded" />
  </xs:sequence>
  <xs:attribute name="name" type="xs:string" use="required" />
  <xs:attribute name="id" type="c" use="required" />
  <xs:attribute name="description" type="xs:string" use="required" />
</xs:complexType>.

```

The following table describes the child element of the **ruleType** complex type.

Element	Type	Description
<b>version</b>	<b>versionType</b> (section <a href="#">3.1.4.1.3.63</a> )	Specifies the minimum client version that can use this rule and the rule conditions and actions. This element <b>MUST</b> be present.

The following table describes the attributes of the **ruleType** complex type.

Attribute	Type	Description
<b>name</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the rule name. This attribute <b>MUST</b> be present.
<b>id</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the rule identifier.
<b>description</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the rule description.

### 3.1.4.1.3.54 mce:RulesType Complex Type

The **RulesType** complex type specifies the rules collection in a rules package. [<47>](#)

```

<xs:complexType name="RulesType">
  <xs:sequence>
    <xs:choice maxOccurs="unbounded">
      <xs:element name="Entity" type="mce:EntityType"/>
      <xs:element name="Affinity" type="mce:AffinityType"/>
    </xs:choice>
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="Regex" type="mce:RegexType"/>
      <xs:element name="Keyword" type="mce:KeywordType"/>
    </xs:choice>
    <xs:element name="LocalizedStrings" type="mce:LocalizedStringsType"/>
  </xs:sequence>
</xs:complexType>

```

The following table lists the child elements of the **RulesType** complex type.

Element	Type	Description
<b>Entity</b>	<b>mce:EntityType</b>	Specifies an entity-based rules classification definition.
<b>Affinity</b>	<b>mce:AffinityType</b>	Specifies an affinity-based rules classification definition.
<b>Regex</b>	<b>mce:RegexType</b>	Specifies a regular expression text processor.

Element	Type	Description
<b>Keyword</b>	<b>mce:KeywordType</b>	Specifies a keyword text processor.
<b>LocalizedStrings</b>	<b>mce:LocalizedStringsType</b>	Specifies the localized information for an entity or affinity classification rule.

### 3.1.4.1.3.55 senderType Complex Type

The **senderType** complex type specifies a sender in a classification definition [<48>](#)

```
<xs:complexType name="senderType">
  <xs:attribute name="address" type="xs:string" use="optional" />
  <xs:attribute name="domain" type="xs:string" use="optional" />
</xs:complexType>
```

The following table describes the attributes of the **senderType** complex type.

Attribute	Type	Description
<b>address</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies a sender's email address.
<b>domain</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies a sender's domain.

### 3.1.4.1.3.56 t:ServiceConfiguration Complex Type

The **ServiceConfiguration** type specifies the base type for the service configuration types.

```
<xs:complexType name="ServiceConfiguration">
</xs:complexType>
```

### 3.1.4.1.3.57 ServiceConfigurationResponseMessageType Complex Type

The **ServiceConfigurationResponseMessageType** complex type specifies service configuration settings. This complex type extends the **ResponseMessageType** complex type, as specified in [\[MS-OXWSCDATA\]](#) section 2.2.4.57.

```
<xs:complexType>
  <xs:complexContent>
    <xs:extension base="m:ResponseMessageType" />
  <xs:sequence>
    <xs:element name="MailTipsConfiguration"
      type="t:MailTipsServiceConfiguration"
      minOccurs="0"
      maxOccurs="1"
    />
    <xs:element name="UnifiedMessagingConfiguration"
      type="t:UnifiedMessageServiceConfiguration"
      maxOccurs="1"
      minOccurs="0"
    />
    <xs:element name="ProtectionRulesConfiguration" />
  </xs:sequence>
</xs:complexType>
```

```

        type="t:ProtectionRulesServiceConfiguration"
        maxOccurs="1"
        minOccurs="0"
      />
      <xs:element name="PolicyNudgeRulesConfiguration"
type="t:PolicyNudgeRulesServiceConfiguration" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

The following table lists the child elements of the **ServiceConfigurationResponseMessageType** complex type.

Element name	Type	Description
<b>MailTipsConfiguration</b>	<b>t:MailTipsServiceConfiguration</b>	Contains service configuration information for the mail tips service. This element <b>MUST</b> occur for mail tips service configuration.
<b>UnifiedMessagingConfiguration</b>	<b>t:UnifiedMessageServiceConfiguration</b>	Contains service configuration information for the Unified Messaging service. This element <b>MUST</b> occur for Unified Messaging service configuration.
<b>ProtectionRulesConfiguration</b>	<b>t:ProtectionRulesServiceConfiguration</b>	Contains service configuration information for the protection rules service. This element <b>MUST</b> occur for protection rules service configuration.
<b>PolicyNudgeRulesConfiguration</b>	<b>t:PolicyNudgeRulesServiceConfiguration</b>	Contains policy nudge rules and classification definitions. <a href="#">&lt;49&gt;</a>

### 3.1.4.1.3.58 t:SmtpDomain Complex Type

The **SmtpDomain** complex type specifies a single domain.

```

<xs:complexType name="SmtpDomain">
  <xs:attribute name="Name" type="xs:string" use="required"/>
  <xs:attribute name="IncludeSubdomains" type="xs:boolean" use="optional"/>

```

```
</xs:complexType>
```

The following table lists the attributes of the **SmtpDomain** complex type.

Attribute name	Type	Definition
<b>Name</b>	<b>xs:string</b>	Specifies the name of a domain. This attribute <b>MUST</b> be set.
<b>IncludeSubdomains</b>	<b>xs:boolean</b>	Specifies whether subdomains of the domain identified by the <b>Name</b> attribute are considered internal.

### 3.1.4.1.3.59 t:SmtpDomainList Complex Type

The **SmtpDomainList** complex type specifies a list of internal domains in a user's organization.

```
<xs:complexType name="SmtpDomainList">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Domain" type="t:SmtpDomain"/>
  </xs:sequence>
</xs:complexType>
```

The following table lists the child elements of the **SmtpDomainList** complex type.

Element name	Type	Definition
<b>Domain</b>	<b>t:SmtpDomain</b> (section <a href="#">3.1.4.1.4</a> )	Specifies a single SMTP domain. This element can occur zero or more times.

### 3.1.4.1.3.60 mce:TermType Complex Type

The **TermType** complex type specifies a term and whether the term is case-sensitive. [<50>](#)

```
<xs:complexType name="TermType">
  <xs:simpleContent>
    <xs:extension base="mce:RestrictedTermType">
      <xs:attribute name="caseSensitive" type="xs:boolean" default="false"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

The following table describes the attribute of the **TermType** complex type.

Attribute	Type	Description
<b>caseSensitive</b>	<b>xs:boolean</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies whether the term comparison is case sensitive.

### 3.1.4.1.3.61 UnifiedMessageServiceConfiguration Complex Type

The **UnifiedMessageServiceConfiguration** complex type specifies the configuration for the Unified Messaging service. The **UnifiedMessageServiceConfiguration** complex type extends the **ServiceConfiguration** complex type (section [3.1.4.1.3.56](#)).

```
<xs:complexType name="UnifiedMessageServiceConfiguration">
  <xs:complexContent>
    <xs:extension
      base="t:ServiceConfiguration"
    >
      <xs:sequence>
        <xs:element name="UmEnabled"
          type="xs:boolean"
          maxOccurs="1"
          minOccurs="1"
        />
        <xs:element name="PlayOnPhoneDialString"
          type="xs:string"
          maxOccurs="1"
          minOccurs="1"
        />
        <xs:element name="PlayOnPhoneEnabled"
          type="xs:boolean"
          maxOccurs="1"
          minOccurs="1"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

The following table lists the child elements of the **UnifiedMessageServiceConfiguration** complex type.

Element name	Type	Description
<b>UmEnabled</b>	<b>xs:boolean</b>	Specifies whether Unified Messaging is enabled. This element <b>MUST</b> be included if the <b>UnifiedMessageServiceConfiguration</b> complex type is used.
<b>PlayOnPhoneDialString</b>	<b>xs:string</b>	Specifies the telephone number for play-on-phone. This element <b>MUST</b> be included if the <b>UnifiedMessageServiceConfiguration</b> complex type is used.
<b>PlayOnPhoneEnabled</b>	<b>xs:boolean</b>	Specifies whether play-on-phone is enabled. This element <b>MUST</b> be included if the <b>UnifiedMessageServiceConfiguration</b> complex type is used.

### 3.1.4.1.3.62 VersionType Complex Type

The **VersionType** complex type specifies the rule pack version.

```

<xs:complexType name="VersionType">
  <xs:attribute name="major" type="xs:unsignedShort" use="required"/>
  <xs:attribute name="minor" type="xs:unsignedShort" use="required"/>
  <xs:attribute name="build" type="xs:unsignedShort" use="required"/>
  <xs:attribute name="revision" type="xs:unsignedShort" use="required"/>
</xs:complexType>

```

The following table lists the attributes of the **VersionType** complex type.

Attribute	Type	Description
<b>major</b>	<b>unsignedShort</b> <a href="#">[XMLSCHEMA2]</a>	Specifies the rule pack major version number.
<b>minor</b>	<b>unsignedShort</b>	Specifies the rule pack minor version number.
<b>build</b>	<b>unsignedShort</b>	Specifies the rule pack build number.
<b>revision</b>	<b>unsignedShort</b>	Specifies the rule pack revision number.

### 3.1.4.1.3.63 versionType Complex Type

The **versionType** complex type specifies the minimum client version that can use this rule and the rule conditions and actions. [<51>](#)

```

<xs:complexType name="versionType">
  <xs:sequence>
    <xs:element name="condition" type="predicateElementSingleChildType" />
    <xs:element name="actions" type="actionsType" />
  </xs:sequence>
  <xs:attribute name="minRequiredVersion"
    type="minRequiredVersionType" use="required" />
</xs:complexType>

```

The following table describes the child elements of the **versionType** complex type.

Element	Type	Description
<b>condition</b>	<b>predicateElementSingleChildType</b> (section <a href="#">3.1.4.1.3.36</a> )	Specifies the rule conditions.
<b>actions</b>	<b>actionsType</b> (section <a href="#">3.1.4.1.3.1</a> )	Specifies the rule actions to take if the rule conditions are met.

The following table describes the attribute of the **versionType** complex type.

Attribute	Type	Description
<b>minRequiredVersion</b>	<b>minRequiredVersionType</b> (section <a href="#">3.1.4.1.4.3</a> )	Specifies the minimum required client version that can use this rule.

### 3.1.4.1.4 Simple Types

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



Simple Type	Description
<b>GuidType</b>	Specifies the regular expression pattern of a <b>GUID</b> .
<b>LangType</b>	Specifies the natural language identifiers as defined by <a href="#">[RFC4646]</a> .
<b>minRequiredVersionType</b>	Specifies the format of the minimum client version that can implement the rule.
<b>NameType</b>	Specifies a string format that has a minimum length of one character; has a maximum length of 256 characters; and does not contain a carriage return, a line feed, or a tab character.
<b>OptionalNameType</b>	Specifies a string format that has no minimum length; has a maximum length of 256 characters; and does not contain a carriage return, a line feed, or a tab character.
<b>ProtectionRuleActionKindType</b>	Specifies the actions that are supported by the protection rules service.
<b>ProtectionRuleAllInternalType</b>	Specifies the AllInternal predicate.
<b>ProtectionRuleTrueType</b>	Specifies the True predicate
<b>ProtectionRuleValueType</b>	Specifies additional arguments to the RecipientIs and SenderDepartments predicates.
<b>ProbabilityType</b>	Specifies the degree of confidence that the server rule processing engines have identified a matching item.
<b>ProximityType</b>	Specifies the threshold for how far apart the primary match and the corroborative evidences can be in order for the entity or affinity to be considered a match.
<b>RestrictedTermType</b>	Specifies the terms for keyword-based processing. The minimum length can be one character; the maximum length MUST be 100 characters.
<b>RulePackNameType</b>	Specifies the format of a rule pack name. A rule pack name MUST have no fewer than one character and no more than 64 characters. A rule pack name MUST NOT contain a carriage return, a line feed, a tab character, leading spaces, trailing spaces, or sequences of two or more spaces.
<b>ServiceConfigurationType</b>	Specifies the service configurations that are returned in the response.
<b>WorkloadType</b>	Not used.
<b>yesnoType</b>	Specifies whether override or false positive settings are enabled.

### 3.1.4.1.4.1 mce:GuidType Simple Type

The **GuidType** simple type specifies the regular expression pattern of a GUID. [<52>](#)

```
<xs:simpleType name="GuidType" final="#all">
  <xs:restriction base="xs:token">
    <xs:pattern value="[0-9a-fA-F]{8}\-([0-9a-fA-F]{4}\-){3}[0-9a-fA-F]{12}"/>
  </xs:restriction>
</xs:simpleType>
```

#### 3.1.4.1.4.2 mce:LangType Simple Type

The **LangType** simple type specifies the natural language identifiers as defined by [\[RFC4646\]](#).<53>

```
<xs:simpleType name="LangType">
  <xs:union memberTypes="xs:language">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value=""/>
      </xs:restriction>
    </xs:simpleType>
  </xs:union>
</xs:simpleType>
```

#### 3.1.4.1.4.3 minRequiredVersionType Simple Type

The **minRequiredVersionType** simple type specifies the format of the minimum client version that can implement the rule. Attributes of type **minRequiredVersionType** take the form of 4 -- 16bit integers separated by periods. The first integer **MUST** be present. The last three integers **SHOULD** be present.<54>

```
<xs:simpleType name="minRequiredVersionType">
  <xs:restriction base="xs:string">
    <xs:pattern value="[0-6]?[0-9]{1,4}(\.[0-6]?[0-9]{1,4}){0,3}" />
  </xs:restriction>
</xs:simpleType>
```

#### 3.1.4.1.4.4 mce:NameType Simple Type

The **NameType** simple type specifies a string format that has a minimum length of one character; has a maximum length of 256 characters; and does not contain a carriage return, a line feed, or a tab character.<55>

```
<xs:simpleType name="NameType">
  <xs:restriction base="xs:normalizedString">
    <xs:minLength value="1"/>
    <xs:maxLength value="256"/>
  </xs:restriction>
</xs:simpleType>
```

#### 3.1.4.1.4.5 mce:OptionalNameType Simple Type

The **OptionalNameType** simple type specifies a string format that has no minimum length; has a maximum length of 256 characters; and does not contain a carriage return, a line feed, or a tab character.<56>

```
<xs:simpleType name="OptionalNameType">
  <xs:restriction base="xs:normalizedString">
    <xs:minLength value="0"/>
    <xs:maxLength value="256"/>
  </xs:restriction>
</xs:simpleType>
```

### 3.1.4.1.4.6 t:ProtectionRuleActionKindType Simple Type

The **ProtectionRuleActionKindType** simple type specifies the actions that are supported by the protection rules service.

```
<xs:simpleType name="ProtectionRuleActionKindType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="RightsProtectMessage"
    />
  </xs:restriction>
</xs:simpleType>
```

The following table lists the values that are defined by the **ProtectionRuleActionKindType** simple type.

Value	Meaning
<b>RightsProtectMessage</b>	The specific permission template to apply to the message.

Only the **RightsProtectMessage** action is supported. The value MUST be **RightsProtectMessage**. The protection rules are used to apply a specific set of permissions.

### 3.1.4.1.4.7 t:ProtectionRuleAllInternalType Simple Type

The **ProtectionRuleAllInternalType** simple type specifies the AllInternal predicate. The semantics of AllInternal is that the predicate matches if all recipients of the e-mail message are internal to the organization of the sender of that e-mail message.

```
<xs:simpleType name="ProtectionRuleAllInternalType">
  <xs:restriction
    base="xs:string"
  >
    <xs:length
      value="0"
    />
  </xs:restriction>
</xs:simpleType>
```

### 3.1.4.1.4.8 t:ProtectionRuleTrueType Simple Type

The **ProtectionRuleTrueType** simple type specifies the True predicate. The semantics of True is that the condition always matches.

```
<xs:simpleType name="ProtectionRuleTrueType">
  <xs:restriction
    base="xs:string"
  >
    <xs:length
      value="0"
    />
  </xs:restriction>
</xs:simpleType>
```

```

    />
  </xs:restriction>
</xs:simpleType>

```

#### 3.1.4.1.4.9 t:ProtectionRuleValueType Simple Type

The **ProtectionRuleValueType** simple type specifies additional arguments to the RecipientIs and SenderDepartments predicates. The value **MUST** be a string with a minimum length of one character.

```

<xs:simpleType name="ProtectionRuleValueType">
  <xs:restriction
    base="xs:string"
  >
    <xs:minLength
      value="1"
    />
  </xs:restriction>
</xs:simpleType>

```

#### 3.1.4.1.4.10 mce:ProbabilityType Simple Type

The **ProbabilityType** simple type specifies the degree of confidence that the server rule processing engines have identified a matching item. The confidence level has to be a value between 1 and 100. [<57>](#)

```

<xs:simpleType name="ProbabilityType">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="100"/>
  </xs:restriction>
</xs:simpleType>

```

#### 3.1.4.1.4.11 mce:ProximityType Simple Type

The **ProximityType** simple type specifies the threshold for how far apart the primary match and the corroborative evidences can be in order for the entity or affinity to be considered a match. [<58>](#)

```

<xs:simpleType name="ProximityType">
  <xs:restriction base="xs:positiveInteger">
    <xs:minInclusive value="1"/>
  </xs:restriction>
</xs:simpleType>

```

#### 3.1.4.1.4.12 mce:RestrictedTermType Simple Type

The **RestrictedTermType** simple type specifies the terms for keyword-based processing. The minimum length can be one character; the maximum length **MUST** be 100 characters. [<59>](#)

```

<xs:simpleType name="RestrictedTermType">

```

```

<xs:restriction base="xs:string">
  <xs:minLength value="1"/>
  <xs:maxLength value="512"/>
</xs:restriction>
/xs:simpleType>

```

### 3.1.4.1.4.13 mce:RulePackNameType Simple Type

The **RulePackNameType** simple type specifies the format of a rule pack name. A rule pack name **MUST** have no fewer than one character and no more than 64 characters. A rule pack name **MUST NOT** contain a carriage return, a line feed, a tab character, leading spaces, trailing spaces, or sequences of two or more spaces. [<60>](#)

```

<xs:simpleType name="RulePackNameType">
  <xs:restriction base="xs:token">
    <xs:minLength value="1"/>
    <xs:maxLength value="64"/>
  </xs:restriction>
</xs:simpleType>

```

### 3.1.4.1.4.14 t:ServiceConfigurationType Simple Type

The **ServiceConfigurationType** simple type specifies the service configurations that are returned in the response.

```

<xs:simpleType name="ServiceConfigurationType">
  <xs:list>
    <xs:simpleType>
      <xs:restriction
        base="xs:string"
      >
        <xs:enumeration
          value="MailTips"
        />
        <xs:enumeration
          value="UnifiedMessagingConfiguration"
        />
        <xs:enumeration
          value="ProtectionRules"
        />
        <xs:enumeration value="PolicyNudges" />
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>

```

The following table lists the values that are defined by the **ServiceConfigurationType** simple type.

Value	Meaning
<b>MailTips</b>	Represents the mail tips service configuration.
<b>UnifiedMessagingConfiguration</b>	Represents the unified messaging service configuration.

Value	Meaning
<b>ProtectionRules</b>	Represents the protection rules service configuration.
<b>PolicyNudges</b>	Represents the policy nudges service configuration. <a href="#">&lt;61&gt;</a>

#### 3.1.4.1.4.15 mce:WorkloadType Simple Type

The **WorkloadType** simple type is not used. [<62>](#)

```
<xs:simpleType name="WorkloadType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Exchange"/>
    <xs:enumeration value="Outlook"/>
  </xs:restriction>
</xs:simpleType>
```

#### 3.1.4.1.4.16 yesnoType Simple Type

The **yesnoType** simple type specifies whether override or false positive settings are enabled. [<63>](#)

```
<xs:simpleType name="yesnoType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="yes" />
    <xs:enumeration value="no" />
  </xs:restriction>
</xs:simpleType>
```

The following table lists the values that are defined by the **yesnoType** simple type.

Value	Description
yes	Indicates that the setting is enabled.
no	Indicates that the setting is disabled.

#### 3.1.4.1.5 Attributes

This specification does not define any specific XML schema attribute definitions for this operation.

#### 3.1.4.1.6 Groups

This specification does not define any specific XML schema group definitions for this operation.

#### 3.1.4.1.7 Attribute Groups

This specification does not define any specific XML schema attribute group definitions for this operation.

### 3.1.5 Timer Events

None.

### 3.1.6 Other Local Events

None.

## 4 Protocol Examples

### 4.1 GetServiceConfiguration Operation Request

The following example shows how to get sender hints for a user.

```
<?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/"
  xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">
  <soap:Header>
    <t:RequestServerVersion Version="Exchange2010" />
  </soap:Header>

  <soap:Body>
    <GetServiceConfiguration
  xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <ActingAs>
        <t:EmailAddress>user1@contoso.com</t:EmailAddress>
        <t:RoutingType>SMTP</t:RoutingType>
      </ActingAs>
      <RequestedConfiguration>
        <ConfigurationName>MailTips</ConfigurationName>
      </RequestedConfiguration>
    </GetServiceConfiguration>
  </soap:Body>

</soap:Envelope>
```

### 4.2 GetServiceConfiguration Operation Response

The following example shows a successful response from the **GetServiceConfiguration** service.

```
<?xml version="1.0" encoding="utf-8"?>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Header>
    <h:ServerVersionInfo MajorVersion="14"
      MinorVersion="0"
      MajorBuildNumber="482"
      MinorBuildNumber="17"
      Version="Exchange2010"
      xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
      xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:xsd="http://www.w3.org/2001/XMLSchema"/>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetServiceConfigurationResponse ResponseClass="Success"
  xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <ResponseCode>NoError</ResponseCode>
      <ResponseMessages>
        <ServiceConfigurationResponseMessageType ResponseClass="Success">
          <ResponseCode>NoError</ResponseCode>
          <m:MailTipsConfiguration
  xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
```



```

        <t:MaxRecipientsPerGetMailTipsRequest
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">50</t:MaxRecipientsPerGet
MailTipsRequest>
        <t:MaxMessageSize
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">10485760</t:MaxMessageSiz
e>
        <t:LargeAudienceThreshold
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">25</t:LargeAudienceThresh
old>
        <t>ShowExternalRecipientCount
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">>false</t>ShowExternalReci
pientCount>
        <t:InternalDomains
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">
        <t:Domain Name="contoso.com" IncludeSubdomains="false"/>
        <t:Domain Name="fabrikam.com" IncludeSubdomains="false"/>
        <t:Domain Name="example.com" IncludeSubdomains="false"/>
        </t:InternalDomains>
    </m:MailTipsConfiguration>
</ServiceConfigurationResponseMessageType>
</ResponseMessages>
</GetServiceConfigurationResponse>
</s:Body>
</s:Envelope>

```

## 4.3 Unsuccessful GetServiceConfiguration Operation Response

### 4.3.1 SOAP Exception

The following example shows a **SOAP fault** caused by the failure of request schema validation.

```

<?xml version="1.0" encoding="utf-8"?><s:Envelope
xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <s:Fault>
      <faultcode
xmlns:a="http://schemas.microsoft.com/exchange/services/2006/types">a:ErrorSchemaValidation</
faultcode>
      <faultstring xml:lang="en-US">The request failed schema validation: The element
'RequestedConfiguration' in namespace
'http://schemas.microsoft.com/exchange/services/2006/messages' has incomplete content. List
of possible elements expected: 'ConfigurationName' in namespace
'http://schemas.microsoft.com/exchange/services/2006/messages'.</faultstring>
      <detail>
        <e:ResponseCode
xmlns:e="http://schemas.microsoft.com/exchange/services/2006/errors">ErrorSchemaValidation</e
:ResponseCode>
        <e:Message xmlns:e="http://schemas.microsoft.com/exchange/services/2006/errors">The
request failed schema validation.</e:Message>
        <e:MessageXml xmlns:e="http://schemas.microsoft.com/exchange/services/2006/errors">
          <t:LineNumber
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">16</t:LineNumber>
          <t:LinePosition
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">9</t:LinePosition>
          <t:Violation
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">The element
'RequestedConfiguration' in namespace
'http://schemas.microsoft.com/exchange/services/2006/messages' has incomplete content. List

```

```

of possible elements expected: 'ConfigurationName' in namespace
'http://schemas.microsoft.com/exchange/services/2006/messages'.</t:Violation>
  </e:MessageXml>
    </detail>
  </s:Fault>
</s:Body>
</s:Envelope>

```

### 4.3.2 GetServiceConfiguration Operation Error Response

The following example shows the error response that occurs when the user specified in the **ActingAs** element is not found in the directory.

```

<?xml version="1.0" encoding="utf-8"?>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Header>
    <h:ServerVersionInfo MajorVersion="14"
      MinorVersion="0"
      MajorBuildNumber="482"
      MinorBuildNumber="17"
      Version="Exchange2010"
      xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
      xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:xsd="http://www.w3.org/2001/XMLSchema"/>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetServiceConfigurationResponse ResponseClass="Error"
      xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <MessageText>The ActingAs parameter does not match a user in the
        directory.</MessageText>
      <ResponseCode>ErrorInvalidArgument</ResponseCode>
      <DescriptiveLinkKey>0</DescriptiveLinkKey>
    </GetServiceConfigurationResponse>
  </s:Body>
</s:Envelope>

```

## **5 Security**

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

None.

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

None.

## 6 Appendix A: Full WSDL

The XML files that are listed in the following table are required in order to implement the functionality in this document.

File name	Description	Section
MS-OXWCONFIG.wsdl	Contains the WSDL for the implementation of this protocol.	<a href="#">6</a>
MS-OXWCONFIG-messages.xsd	Contains the XML schema message definitions that are used in this protocol.	<a href="#">7.2</a>
MS-OXWCONFIG-types.xsd	Contains the XML schema type definitions that are used in this protocol.	<a href="#">7.9</a>

These files have to be placed in a common folder in order for the WSDL to validate and operate. Also, any schema files that are included in or imported into the MS-OXWCONFIG-types.xsd or MS-OXWCONFIG-messages.xsd schemas have to be placed in the common folder with these files.

This section contains the contents of the MS-OXWCONFIG.wsdl file.

```
<?xml version="1.0" encoding="utf-8"?>
<wSDL:definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:tns="http://schemas.microsoft.com/exchange/services/2006/messages"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:wSDL="http://schemas.xmlsoap.org/wsdl/"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types">
  <wSDL:types>
    <xs:schema id="messages" elementFormDefault="qualified" version="Exchange2013"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages">
      <xs:include schemaLocation="MS-OXWCONFIG-messages.xsd"/>
    </xs:schema>
  </wSDL:types>
  <wSDL:message name="GetServiceConfigurationSoapIn">
    <wSDL:part name="request" element="tns:GetServiceConfiguration"/>
    <wSDL:part name="Impersonation" element="t:ExchangeImpersonation"/>
    <wSDL:part name="RequestVersion" element="t:RequestServerVersion"/>
    <wSDL:part name="MailboxCulture" element="t:MailboxCulture"/>
  </wSDL:message>
  <wSDL:message name="GetServiceConfigurationSoapOut">
    <wSDL:part name="GetServiceConfigurationResult"
element="tns:GetServiceConfigurationResponse"/>
    <wSDL:part name="ServerVersion" element="t:ServerVersionInfo"/>
  </wSDL:message>
  <wSDL:portType name="ExchangeServicePortType">
    <wSDL:operation name="GetServiceConfiguration">
      <wSDL:input message="tns:GetServiceConfigurationSoapIn"/>
      <wSDL:output message="tns:GetServiceConfigurationSoapOut"/>
    </wSDL:operation>
  </wSDL:portType>
  <wSDL:binding name="ExchangeServiceBinding" type="tns:ExchangeServicePortType">
    <wSDL:documentation>
      <wsi:Claim conformsTo="http://ws-i.org/profiles/basic/1.0" xmlns:wsi="http://ws-
i.org/schemas/conformanceClaim"/>
    </wSDL:documentation>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
  </wSDL:binding>
</wSDL:definitions>
```

```
<wsdl:operation name="GetServiceConfiguration">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetServiceConfigurat
ion"/>
  <wsdl:input>
    <soap:body parts="request" use="literal"/>
    <soap:header message="tns:GetServiceConfigurationSoapIn" part="Impersonation"
use="literal"/>
    <soap:header message="tns:GetServiceConfigurationSoapIn" part="RequestVersion"
use="literal"/>
    <soap:header message="tns:GetServiceConfigurationSoapIn" part="MailboxCulture"
use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body parts="GetServiceConfigurationResult" use="literal"/>
    <soap:header message="tns:GetServiceConfigurationSoapOut" part="ServerVersion"
use="literal"/>
  </wsdl:output>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>
```

## 7 Appendix B: Full XML Schema

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

Schema name	Prefix	Section
Messages schema	m:	<a href="#">7.2</a>
Types schema	t:	<a href="#">7.9</a>

These files have to be placed in a common folder in order for the WSDL to validate and operate. Also, any schema files that are included in or imported into the MS-OXWCONFIG-types.xsd or MS-OXWCONFIG-messages.xsd schemas have to be placed in the common folder along with the files listed in the table.

### 7.1 Classification Rule Package Container Type Schema

This section contains the contents of the ClassificationRulePackageContainerSchemaType.xsd file and information about additional files that this schema file requires to operate correctly. [<64>](#)

ClassificationRulePackageContainerSchemaType.xsd includes and imports the file listed in the following table. This file has to be placed in a common folder in order for the schema to validate and operate. Also, any schema files that are included in or imported into the ClassificationRulePackageContainerSchemaType.xsd schema have to be placed in the common folder along with the file listed in the table.

File name	Defining specification or section
RulePackageTypes.xsd	section <a href="#">7.8</a>

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:mce="http://schemas.microsoft.com/office/2011/mce"
  targetNamespace="http://schemas.microsoft.com/office/2011/mce"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified">
  <xs:include schemaLocation="RulePackageTypes.xsd" />
  <xs:complexType name="RulePackageContainerType">
    <xs:sequence>
      <xs:element name="RulePackage" type="mce:RulePackageType" />
    </xs:sequence>
  </xs:complexType>
</xs:schema>
```

### 7.2 Messages Schema

This section contains the contents of the MS-OXWCONFIG-messages.xsd file and information about additional files that this schema file requires to operate correctly.

MS-OXWCONFIG-messages.xsd includes and imports the files listed in the following table. These files have to be placed in a common folder in order for the schema to validate and operate. Also, any schema files that are included in or imported into the MS-OXWCONFIG-messages.xsd schema have to be placed in the common folder along with the files listed in the table..

File name	Defining specification or section
MS-OXWSCDATA-messages.xsd	<a href="#">[MS-OXWSCDATA]</a> section 7.1
MS-OXWCONFIG-types.xsd	<a href="#">7.9</a>

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
elementFormDefault="qualified" version="Exchange2013" id="messages">
  <xs:import namespace="http://schemas.microsoft.com/exchange/services/2006/types"
schemaLocation="MS-OXWCONFIG-types.xsd"/>
  <xs:include schemaLocation="MS-OXWSCDATA-messages.xsd"/>
  <xs:complexType name="ArrayOfServiceConfigurationResponseMessageType">
    <xs:sequence>
      <xs:element name="ServiceConfigurationResponseMessageType"
type="m:ServiceConfigurationResponseMessageType" minOccurs="1" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ArrayOfServiceConfigurationType">
    <xs:choice minOccurs="1" maxOccurs="unbounded">
      <xs:element name="ConfigurationName" type="t:ServiceConfigurationType"/>
    </xs:choice>
  </xs:complexType>
  <xs:complexType name="GetServiceConfigurationResponseMessageType">
    <xs:complexContent>
      <xs:extension base="m:ResponseMessageType">
        <xs:sequence>
          <xs:element name="ResponseMessages"
type="m:ArrayOfServiceConfigurationResponseMessageType" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="GetServiceConfigurationType">
    <xs:complexContent>
      <xs:extension base="m:BaseRequestType">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="ActingAs"
type="t:EmailAddressType"/>
          <xs:element minOccurs="1" maxOccurs="1" name="RequestedConfiguration"
type="m:ArrayOfServiceConfigurationType"/>
          <xs:element minOccurs="0" maxOccurs="1" name="ConfigurationRequestDetails"
type="t:ConfigurationRequestDetailsType" />
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="ServiceConfigurationResponseMessageType">
    <xs:complexContent>
      <xs:extension base="m:ResponseMessageType">
        <xs:sequence>
          <xs:element name="MailTipsConfiguration" type="t:MailTipsServiceConfiguration"
minOccurs="0" maxOccurs="1"/>
          <xs:element name="UnifiedMessagingConfiguration"
type="t:UnifiedMessageServiceConfiguration" minOccurs="0" maxOccurs="1"/>
          <xs:element name="ProtectionRulesConfiguration"
type="t:ProtectionRulesServiceConfiguration" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

```

```

        <xs:element name="PolicyNudgeRulesConfiguration"
type="t:PolicyNudgeRulesServiceConfiguration" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="GetServiceConfiguration" type="m:GetServiceConfigurationType"/>
<xs:element name="GetServiceConfigurationResponse"
type="m:GetServiceConfigurationResponseMessageType"/>
</xs:schema>

```

### 7.3 Policy Nudge Rule Schema

This section contains the contents of the PolicyNudgeRuleSchema.xsd file and information about additional files that this schema file requires to operate correctly. [<65>](#)

PolicyNudgeRuleSchema.xsd includes and imports the file listed in the following table. This file has to be placed in a common folder in order for the schema to validate and operate. Also, any schema files that are included in or imported into the PolicyNudgeRuleSchema.xsd schemas have to be placed in the common folder along with the files listed in the table..

File name	Defining specification
PolicyNudgeRuleSchemaTypes.xsd	section <a href="#">7.4</a>

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema
  elementFormDefault="qualified"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:include schemaLocation="PolicyNudgeRuleSchemaTypes.xsd" />
  <xs:element name="rule" type="ruleType" />
</xs:schema>

```

### 7.4 Policy Nudge Rule Types Schema

This section contains the contents of the PolicyNudgeRuleSchemaTypes.xsd file. [<66>](#)

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema
  elementFormDefault="qualified"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <xs:complexType name="ruleType">
    <xs:sequence>
      <xs:element name="version" type="versionType" minOccurs="1" maxOccurs="unbounded" />
    </xs:sequence>
    <xs:attribute name="name" type="xs:string" use="required" />
    <xs:attribute name="id" type="xs:string" use="required" />
    <xs:attribute name="description" type="xs:string" use="required" />
  </xs:complexType>

  <xs:complexType name="versionType">
    <xs:sequence>
      <xs:element name="condition" type="predicateElementSingleChildType" />
      <xs:element name="actions" type="actionsType" />
    </xs:sequence>
  </xs:complexType>

```



```

    </xs:sequence>
    <xs:attribute name="minRequiredVersion" type="minRequiredVersionType" use="required" />
</xs:complexType>

<xs:simpleType name="minRequiredVersionType">
  <xs:restriction base="xs:string">
    <xs:pattern value="[0-6]?[0-9]{1,4}(\.[0-6]?[0-9]{1,4}){0,3}" />
  </xs:restriction>
</xs:simpleType>

<xs:complexType name="predicateElementSingleChildType">
  <xs:choice>
    <xs:element name="and" type="predicateElementMultipleChildType" />
    <xs:element name="classification" type="classificationType" />
    <xs:element name="classifications" type="predicateElementSingleChildType" />
    <xs:element name="false" type="predicateElementConstantType" />
    <xs:element name="not" type="predicateElementSingleChildType" />
    <xs:element name="or" type="orType" />
    <xs:element name="recipient" type="recipientType" />
    <xs:element name="recipients" type="predicateElementSingleChildType" />
    <xs:element name="sender" type="senderType" />
    <xs:element name="senders" type="predicateElementSingleChildType" />
    <xs:element name="true" type="predicateElementConstantType" />
  </xs:choice>
</xs:complexType>

<xs:complexType name="predicateElementMultipleChildType">
  <xs:choice minOccurs="1" maxOccurs="unbounded">
    <xs:element name="and" type="predicateElementMultipleChildType" />
    <xs:element name="classification" type="classificationType" />
    <xs:element name="classifications" type="predicateElementSingleChildType" />
    <xs:element name="false" type="predicateElementConstantType" />
    <xs:element name="not" type="predicateElementSingleChildType" />
    <xs:element name="or" type="orType" />
    <xs:element name="recipient" type="recipientType" />
    <xs:element name="recipients" type="predicateElementSingleChildType" />
    <xs:element name="sender" type="senderType" />
    <xs:element name="senders" type="predicateElementSingleChildType" />
    <xs:element name="true" type="predicateElementConstantType" />
  </xs:choice>
</xs:complexType>

<xs:complexType name="predicateElementConstantType" />

<xs:complexType name="classificationType">
  <xs:attribute name="rulePackId" type="xs:string" use="required" />
  <xs:attribute name="id" type="xs:string" use="required" />
  <xs:attribute name="minCount" type="xs:integer" use="optional" />
  <xs:attribute name="maxCount" type="xs:integer" use="optional" />
  <xs:attribute name="minConfidence" type="xs:integer" use="optional" />
  <xs:attribute name="maxConfidence" type="xs:integer" use="optional" />
</xs:complexType>

<xs:complexType name="orType">
  <xs:complexContent>
    <xs:extension base="predicateElementMultipleChildType">
      <xs:attribute name="earlyOut" use="optional">
        <xs:simpleType>

```

```

        <xs:restriction base="xs:string">
            <xs:pattern
value="([Tt][Rr][Uu][Ee])|([Yy]([Ee][Ss])?)|([1])|([Ff][Aa][Ll][Ss][Ee])|([Nn][Oo]?)|([0])"
/>
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>
</xs:extension>
</xs:complexContent>
</xs:complexType>

<xs:complexType name="recipientType">
    <xs:attribute name="address" type="xs:string" use="optional" />
    <xs:attribute name="domain" type="xs:string" use="optional" />
    <xs:attribute name="scope" use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="Internal"/>
                <xs:enumeration value="External"/>
                <xs:enumeration value="ExternalNonPartner"/>
                <xs:enumeration value="ExternalPartner"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
</xs:complexType>

<xs:complexType name="senderType">
    <xs:attribute name="address" type="xs:string" use="optional" />
    <xs:attribute name="domain" type="xs:string" use="optional" />
</xs:complexType>

<xs:complexType name="actionsType">
    <xs:choice maxOccurs="unbounded">
        <xs:element name="block" type="actionTypeType" />
        <xs:element name="notify" type="actionTypeType" />
    </xs:choice>
</xs:complexType>

<xs:complexType name="actionTypeType">
    <xs:sequence>
        <xs:element name="message">
            <xs:complexType>
                <xs:sequence minOccurs="1" maxOccurs="unbounded">
                    <xs:element name="locale" type="localeType" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>

        <xs:element name="override">
            <xs:complexType>
                <xs:sequence>
                    <xs:element name="justification">
                        <xs:complexType>
                            <xs:attribute name="type" use="required">
                                <xs:simpleType>
                                    <xs:restriction base="xs:string">
                                        <xs:enumeration value="none" />
                                        <xs:enumeration value="optional" />
                                        <xs:enumeration value="required" />
                                    </xs:restriction>
                                </xs:simpleType>
                            </xs:attribute>
                        </xs:complexType>
                    </xs:element>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
    </xs:sequence>
</xs:complexType>

```

```

        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="allow" type="yesnoType" use="required" />
</xs:complexType>
</xs:element>
<xs:element name="falsePositive">
  <xs:complexType>
    <xs:attribute name="allow" type="yesnoType" use="required" />
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>

<xs:complexType name="localeType">
  <xs:sequence>
    <xs:element name="complianceNoteUrl" type="xs:anyURI" nillable="true" />
    <xs:element name="text1" type="xs:string" />
    <xs:element name="text2" type="xs:string" />
    <xs:element name="overrideText" type="xs:string" />
    <xs:element name="text3" type="xs:string" />
  </xs:sequence>
  <xs:attribute name="name" type="xs:language" use="required" />
</xs:complexType>

<xs:simpleType name="yesnoType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="yes" />
    <xs:enumeration value="no" />
  </xs:restriction>
</xs:simpleType>

</xs:schema>

```

## 7.5 Policy Nudge Rules Configuration Schema

This section contains the contents of the PolicyNudgeRulesConfigurationSchema.xsd file and information about additional files that this schema file requires to operate correctly. [67](#)

PolicyNudgeRulesConfigurationSchema.xsd includes and imports the file listed in the following table. This file has to be placed in a common folder in order for the schema to validate and operate. Also, any schema files that are included in or imported into the PolicyNudgeRulesConfigurationSchema.xsd have to be placed in the common folder along with the files listed in the table..

File name	Defining specification
PolicyNudgeRulesConfigurationSchemaTypes.xsd	section <a href="#">7.6</a>

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema
  elementFormDefault="qualified"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:include schemaLocation="PolicyNudgeRulesConfigurationSchemaTypes.xsd" />

```

```

    <xs:element name="PolicyNudgeRulesConfiguration" type="PolicyNudgeRulesConfigurationType"
  />
</xs:schema>

```

## 7.6 Policy Nudge Rules Configuration Types Schema

This section contains the contents of the PolicyNudgeRulesConfigurationSchemaTypes.xsd file and information about additional files that this schema file requires to operate correctly. [<68>](#)

PolicyNudgeRulesConfigurationSchemaTypes.xsd includes and imports the files listed in the following table. To operate correctly, these files have to be present in the folder that contains the PolicyNudgeRulesConfigurationSchemaTypes file.

File name	Defining specification
PolicyNudgeRuleSchemaTypes.xsd	section <a href="#">7.4</a>
ClassificationRulePackageContainerSchemaType.xsd	section <a href="#">7.1</a>

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema
  elementFormDefault="qualified"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:mce="http://schemas.microsoft.com/office/2011/mce"
  >

  <xs:include schemaLocation="PolicyNudgeRuleSchemaTypes.xsd" />
  <xs:import namespace="http://schemas.microsoft.com/office/2011/mce"
    schemaLocation="ClassificationRulePackageContainerSchemaType.xsd" />

  <xs:complexType name="PolicyNudgeRulesConfigurationType">
    <xs:sequence>
      <xs:element name="PolicyNudgeRules" type="PolicyNudgeRulesType">
        <xs:unique name="ruleNameUnique">
          <xs:selector xpath="PolicyNudgeRule/rule" />
          <xs:field xpath="@name"/>
        </xs:unique>
        <xs:unique name="policyNudgeRuleIDUnique">
          <xs:selector xpath="PolicyNudgeRule" />
          <xs:field xpath="@id"/>
        </xs:unique>
      </xs:element>
      <xs:element name="ClassificationDefinitions" type="ClassificationDefinitionsType">
        <xs:unique name="classificationDefinitionIDUnique">
          <xs:selector xpath="ClassificationDefinition" />
          <xs:field xpath="@id"/>
        </xs:unique>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="ApplyType">
    <xs:attribute name="apply" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:pattern value="([Tt][Rr][Uu][Ee])|([Ff][Aa][Ll][Ss][Ee])" />
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>

```

```

    </xs:simpleType>
  </xs:attribute>
</xs:complexType>

<xs:complexType name="PolicyNudgeRulesType">
  <xs:complexContent>
    <xs:extension base="ApplyType">
      <xs:sequence>
        <xs:element name="PolicyNudgeRule" type="PolicyNudgeRuleType" minOccurs="0"
maxOccurs="unbounded" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="PolicyNudgeRuleType">
  <xs:sequence>
    <xs:element name="rule" type="ruleType" />
  </xs:sequence>
  <xs:attribute name="id" type="xs:string" use="required" />
  <xs:attribute name="version" type="xs:long" use="required" />
  <xs:anyAttribute processContents="skip" />
</xs:complexType>

<xs:complexType name="ClassificationDefinitionsType">
  <xs:complexContent>
    <xs:extension base="ApplyType">
      <xs:sequence>
        <xs:element name="ClassificationDefinition" type="ClassificationDefinitionType"
minOccurs="0" maxOccurs="unbounded" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="ClassificationDefinitionType">
  <xs:complexContent>
    <xs:extension base="mce:RulePackageContainerType">
      <xs:attribute name="id" type="xs:string" use="required" />
      <xs:attribute name="version" type="xs:long" use="required" />
      <xs:anyAttribute processContents="skip" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
</xs:schema>

```

## 7.7 Rule Package Schema

This section contains the contents of the RulePackage.xsd file and information about additional files that this schema file requires to operate correctly. [<69>](#)

RulePackage.xsd includes and imports the files listed in the following table. To operate correctly, these files have to be present in the folder that contains the RulePackage.xsd file.

File name	Defining specification
RulePackageTypes.xsd	section <a href="#">7.8</a>

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:mce="http://schemas.microsoft.com/office/2011/mce"
  targetNamespace="http://schemas.microsoft.com/office/2011/mce"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  id="RulePackageSchema">
  <xs:include schemaLocation="RulePackageTypes.xsd"/>
  <xs:element name="RulePackage" type="mce:RulePackageType"/>
</xs:schema>

```

## 7.8 Rule Package Types Schema

This section contains the contents of the PolicyNudgeRuleSchemaTypes.xsd file. [<70>](#)

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:mce="http://schemas.microsoft.com/office/2011/mce"
  targetNamespace="http://schemas.microsoft.com/office/2011/mce"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  id="RulePackageSchema">
  <xs:simpleType name="LangType">
    <xs:union memberTypes="xs:language">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value=""/>
        </xs:restriction>
      </xs:simpleType>
    </xs:union>
  </xs:simpleType>
  <xs:simpleType name="GuidType" final="#all">
    <xs:restriction base="xs:token">
      <xs:pattern value="[0-9a-fA-F]{8}\-([0-9a-fA-F]{4}\-){3}[0-9a-fA-F]{12}"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="RulePackageType">
    <xs:sequence>
      <xs:element name="RulePack" type="mce:RulePackType"/>
      <xs:element name="Rules" type="mce:RulesType">
        <xs:key name="UniqueRuleId">
          <xs:selector xpath="mce:Entity|mce:Affinity"/>
          <xs:field xpath="@id"/>
        </xs:key>
        <xs:key name="UniqueProcessorId">
          <xs:selector xpath="mce:Regex|mce:Keyword"/></xs:selector>
          <xs:field xpath="@id"/>
        </xs:key>
        <xs:key name="UniqueResourceIdRef">
          <xs:selector xpath="mce:LocalizedStrings/mce:Resource"/>
          <xs:field xpath="@idRef"/>
        </xs:key>
        <xs:keyref name="ReferencedRuleMustExist" refer="mce:UniqueRuleId">
          <xs:selector xpath="mce:LocalizedStrings/mce:Resource"/>
          <xs:field xpath="@idRef"/>
        </xs:keyref>
        <xs:keyref name="RuleMustHaveResource" refer="mce:UniqueResourceIdRef">

```

```

        <xs:selector xpath="mce:Entity|mce:Affinity"/>
        <xs:field xpath="@id"/>
    </xs:keyref>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="RulePackType">
    <xs:sequence>
        <xs:element name="Version" type="mce:VersionType"/>
        <xs:element name="Publisher" type="mce:PublisherType"/>
        <xs:element name="Details" type="mce:DetailsType">
            <xs:key name="UniqueLangCodeInLocalizedDetails">
                <xs:selector xpath="mce:LocalizedDetails"/>
                <xs:field xpath="@langcode"/>
            </xs:key>
            <xs:keyref name="DefaultLangCodeMustExist"
refer="mce:UniqueLangCodeInLocalizedDetails">
                <xs:selector xpath="."/>
                <xs:field xpath="@defaultLangCode"/>
            </xs:keyref>
        </xs:element>
        <xs:element name="Encryption" type="mce:EncryptionType" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
    <xs:attribute name="id" type="mce:GuidType" use="required"/>
</xs:complexType>
<xs:complexType name="VersionType">
    <xs:attribute name="major" type="xs:unsignedShort" use="required"/>
    <xs:attribute name="minor" type="xs:unsignedShort" use="required"/>
    <xs:attribute name="build" type="xs:unsignedShort" use="required"/>
    <xs:attribute name="revision" type="xs:unsignedShort" use="required"/>
</xs:complexType>
<xs:complexType name="PublisherType">
    <xs:attribute name="id" type="mce:GuidType" use="required"/>
</xs:complexType>
<xs:complexType name="LocalizedDetailsType">
    <xs:sequence>
        <xs:element name="PublisherName" type="mce:NameType"/>
        <xs:element name="Name" type="mce:RulePackNameType"/>
        <xs:element name="Description" type="mce:OptionalNameType"/>
    </xs:sequence>
    <xs:attribute name="langcode" type="mce:LangType" use="required"/>
</xs:complexType>
<xs:complexType name="DetailsType">
    <xs:sequence>
        <xs:element name="LocalizedDetails" type="mce:LocalizedDetailsType"
maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="defaultLangCode" type="mce:LangType" use="required"/>
</xs:complexType>
<xs:complexType name="EncryptionType">
    <xs:sequence>
        <xs:element name="Key" type="xs:normalizedString"/>
        <xs:element name="IV" type="xs:normalizedString"/>
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="RulePackNameType">
    <xs:restriction base="xs:token">
        <xs:minLength value="1"/>
        <xs:maxLength value="64"/>
    </xs:restriction>
</xs:simpleType>

```

```

    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="NameType">
  <xs:restriction base="xs:normalizedString">
    <xs:minLength value="1"/>
    <xs:maxLength value="256"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="OptionalNameType">
  <xs:restriction base="xs:normalizedString">
    <xs:minLength value="0"/>
    <xs:maxLength value="256"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="RestrictedTermType">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="512"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="RulesType">
  <xs:sequence>
    <xs:choice maxOccurs="unbounded">
      <xs:element name="Entity" type="mce:EntityType"/>
      <xs:element name="Affinity" type="mce:AffinityType"/>
    </xs:choice>
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="Regex" type="mce:RegexType"/>
      <xs:element name="Keyword" type="mce:KeywordType"/>
    </xs:choice>
    <xs:element name="LocalizedStrings" type="mce:LocalizedStringsType"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="EntityType">
  <xs:sequence>
    <xs:element name="Pattern" type="mce:PatternType" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="mce:GuidType" use="required"/>
  <xs:attribute name="patternsProximity" type="mce:ProximityType" use="required"/>
  <xs:attribute name="recommendedConfidence" type="mce:ProbabilityType"/>
  <xs:attribute name="workload" type="mce:WorkloadType"/>
</xs:complexType>
<xs:complexType name="PatternType">
  <xs:sequence>
    <xs:element name="IdMatch" type="mce:IdMatchType"/>
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="Match" type="mce:MatchType"/>
      <xs:element name="Any" type="mce:AnyType"/>
    </xs:choice>
  </xs:sequence>
  <xs:attribute name="confidenceLevel" type="mce:ProbabilityType" use="required"/>
</xs:complexType>
<xs:complexType name="AffinityType">
  <xs:sequence>
    <xs:element name="Evidence" type="mce:EvidenceType" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="mce:GuidType" use="required"/>
  <xs:attribute name="evidencesProximity" type="mce:ProximityType" use="required"/>
  <xs:attribute name="thresholdConfidenceLevel" type="mce:ProbabilityType" use="required"/>

```



```

    <xs:attribute name="workload" type="mce:WorkloadType"/>
  </xs:complexType>
  <xs:complexType name="EvidenceType">
    <xs:sequence>
      <xs:choice maxOccurs="unbounded">
        <xs:element name="Match" type="mce:MatchType"/>
        <xs:element name="Any" type="mce:AnyType"/>
      </xs:choice>
    </xs:sequence>
    <xs:attribute name="confidenceLevel" type="mce:ProbabilityType" use="required"/>
  </xs:complexType>
  <xs:complexType name="IdMatchType">
    <xs:attribute name="idRef" type="xs:string" use="required"/>
  </xs:complexType>
  <xs:complexType name="MatchType">
    <xs:attribute name="idRef" type="xs:string" use="required"/>
  </xs:complexType>
  <xs:complexType name="AnyType">
    <xs:sequence>
      <xs:choice maxOccurs="unbounded">
        <xs:element name="Match" type="mce:MatchType"/>
        <xs:element name="Any" type="mce:AnyType"/>
      </xs:choice>
    </xs:sequence>
    <xs:attribute name="minMatches" type="xs:nonNegativeInteger" default="1"/>
    <xs:attribute name="maxMatches" type="xs:nonNegativeInteger" use="optional"/>
  </xs:complexType>
  <xs:simpleType name="ProximityType">
    <xs:restriction base="xs:positiveInteger">
      <xs:minInclusive value="1"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ProbabilityType">
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="100"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="WorkloadType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Exchange"/>
      <xs:enumeration value="Outlook"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="RegexType">
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="id" type="xs:token" use="required"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  <xs:complexType name="KeywordType">
    <xs:sequence>
      <xs:element name="Group" type="mce:GroupType" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="id" type="xs:token" use="required"/>
  </xs:complexType>
  <xs:complexType name="GroupType">
    <xs:sequence>

```

```

    <xs:choice>
      <xs:element name="Term" type="mce:TermType" maxOccurs="unbounded"/>
    </xs:choice>
  </xs:sequence>
  <xs:attribute name="matchStyle" default="word">
    <xs:simpleType>
      <xs:restriction base="xs:NMTOKEN">
        <xs:enumeration value="word"/>
        <xs:enumeration value="string"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>
<xs:complexType name="TermType">
  <xs:simpleContent>
    <xs:extension base="mce:RestrictedTermType">
      <xs:attribute name="caseSensitive" type="xs:boolean" default="false"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
<xs:complexType name="LocalizedStringsType">
  <xs:sequence>
    <xs:element name="Resource" type="mce:ResourceType" maxOccurs="unbounded">
      <xs:key name="UniqueLangCodeUsedInNamePerResource">
        <xs:selector xpath="mce:Name"/>
        <xs:field xpath="@langcode"/>
      </xs:key>
      <xs:key name="UniqueLangCodeUsedInDescriptionPerResource">
        <xs:selector xpath="mce:Description"/>
        <xs:field xpath="@langcode"/>
      </xs:key>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ResourceType">
  <xs:sequence>
    <xs:element name="Name" type="mce:ResourceNameType" maxOccurs="unbounded"/>
    <xs:element name="Description" type="mce:DescriptionType" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="idRef" type="mce:GuidType" use="required"/>
</xs:complexType>
<xs:complexType name="ResourceNameType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="default" type="xs:boolean" default="false"/>
      <xs:attribute name="langcode" type="mce:LangType" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
<xs:complexType name="DescriptionType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="default" type="xs:boolean" default="false"/>
      <xs:attribute name="langcode" type="mce:LangType" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

```
</xs:schema>
```

## 7.9 Types Schema

This section contains the contents of the MS-OXWCONFIG-types.xsd file.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/types"
elementFormDefault="qualified" version="Exchange2013" id="types">
  <xs:import namespace="http://www.w3.org/XML/1998/namespace"/>
  <xs:simpleType name="ProtectionRuleActionKindType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="RightsProtectMessage"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ProtectionRuleAllInternalType">
    <xs:restriction base="xs:string">
      <xs:length value="0"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ProtectionRuleTrueType">
    <xs:restriction base="xs:string">
      <xs:length value="0"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ProtectionRuleValueType">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ServiceConfigurationType">
    <xs:list>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="MailTips"/>
          <xs:enumeration value="UnifiedMessagingConfiguration"/>
          <xs:enumeration value="ProtectionRules"/>
          <xs:enumeration value="PolicyNudges"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:list>
  </xs:simpleType>
  <xs:complexType name="MailTipsServiceConfiguration">
    <xs:complexContent>
      <xs:extension base="t:ServiceConfiguration">
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="MaxRecipientsPerGetMailTipsRequest"
type="xs:int"/>
          <xs:element minOccurs="1" maxOccurs="1" name="MaxMessageSize" type="xs:int"/>
          <xs:element minOccurs="1" maxOccurs="1" name="LargeAudienceThreshold"
type="xs:int"/>
          <xs:element minOccurs="1" maxOccurs="1" name="ShowExternalRecipientCount"
type="xs:boolean"/>
          <xs:element minOccurs="1" maxOccurs="1" name="InternalDomains"
type="t:SmtptDomainList"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

```

```

        <xs:element minOccurs="1" maxOccurs="1" name="PolicyTipsEnabled"
type="xs:boolean" />
        <xs:element minOccurs="1" maxOccurs="1" name="LargeAudienceCap" type="xs:int" />
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="UnifiedMessageServiceConfiguration">
    <xs:complexContent>
        <xs:extension base="t:ServiceConfiguration">
            <xs:sequence>
                <xs:element minOccurs="1" maxOccurs="1" name="UmEnabled" type="xs:boolean"/>
                <xs:element minOccurs="1" maxOccurs="1" name="PlayOnPhoneDialString"
type="xs:string"/>
                <xs:element minOccurs="1" maxOccurs="1" name="PlayOnPhoneEnabled"
type="xs:boolean"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfProtectionRulesType">
    <xs:sequence>
        <xs:element name="Rule" type="t:ProtectionRuleType" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ProtectionRuleActionType">
    <xs:sequence>
        <xs:element name="Argument" type="t:ProtectionRuleArgumentType" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="Name" use="required" type="t:ProtectionRuleActionKindType"/>
</xs:complexType>
<xs:complexType name="ProtectionRuleAndType">
    <xs:sequence>
        <xs:choice minOccurs="1" maxOccurs="unbounded">
            <xs:element name="AllInternal" type="t:ProtectionRuleAllInternalType"/>
            <xs:element name="And" type="t:ProtectionRuleAndType"/>
            <xs:element name="RecipientIs" type="t:ProtectionRuleRecipientIsType"/>
            <xs:element name="SenderDepartments" type="t:ProtectionRuleSenderDepartmentsType"/>
            <xs:element name="True" type="t:ProtectionRuleTrueType"/>
        </xs:choice>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ProtectionRuleArgumentType">
    <xs:attribute name="Value" use="required">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
</xs:complexType>
<xs:complexType name="ProtectionRuleConditionType">
    <xs:choice minOccurs="1" maxOccurs="1">
        <xs:element name="AllInternal" type="t:ProtectionRuleAllInternalType"/>
        <xs:element name="And" type="t:ProtectionRuleAndType"/>
        <xs:element name="RecipientIs" type="t:ProtectionRuleRecipientIsType"/>
        <xs:element name="SenderDepartments" type="t:ProtectionRuleSenderDepartmentsType"/>
    </xs:choice>
</xs:complexType>

```

```

        <xs:element name="True" type="t:ProtectionRuleTrueType"/>
    </xs:choice>
</xs:complexType>
<xs:complexType name="ProtectionRuleRecipientIsType">
    <xs:sequence>
        <xs:element name="Value" type="t:ProtectionRuleValueType" minOccurs="1"
maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ProtectionRuleSenderDepartmentsType">
    <xs:sequence>
        <xs:element name="Value" type="t:ProtectionRuleValueType" minOccurs="1"
maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ProtectionRulesServiceConfiguration">
    <xs:complexContent>
        <xs:extension base="t:ServiceConfiguration">
            <xs:sequence>
                <xs:element name="Rules" type="t:ArrayOfProtectionRulesType" minOccurs="1"
maxOccurs="1"/>
                <xs:element name="InternalDomains" type="t:SmtpDomainList" minOccurs="1"
maxOccurs="1"/>
            </xs:sequence>
            <xs:attribute name="RefreshInterval" use="required">
                <xs:simpleType>
                    <xs:restriction base="xs:int">
                        <xs:minInclusive value="1"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:attribute>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ProtectionRuleType">
    <xs:sequence>
        <xs:element name="Condition" type="t:ProtectionRuleConditionType" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="Action" type="t:ProtectionRuleActionType" minOccurs="1"
maxOccurs="1"/>
    </xs:sequence>
    <xs:attribute name="Name" use="required">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="UserOverridable" type="xs:boolean" use="required"/>
    <xs:attribute name="Priority" use="required">
        <xs:simpleType>
            <xs:restriction base="xs:int">
                <xs:minInclusive value="1"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
</xs:complexType>
<xs:complexType name="ServiceConfiguration"/>
<xs:complexType name="SmtpDomain">

```

```
<xs:attribute name="Name" type="xs:string" use="required"/>
<xs:attribute name="IncludeSubdomains" type="xs:boolean" use="optional"/>
</xs:complexType>
<xs:complexType name="SmtpDomainList">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Domain" type="t:SmtpDomain"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ConfigurationRequestDetailsType">
  <xs:choice minOccurs="1" maxOccurs="1">
    <xs:any processContents="skip" minOccurs="0" maxOccurs="unbounded" namespace="##any"/>
  </xs:choice>
</xs:complexType>
<xs:complexType name="PolicyNudgeRulesServiceConfiguration">
  <xs:sequence>
    <xs:any processContents="skip" minOccurs="0" maxOccurs="unbounded" namespace="##any"/>
  </xs:sequence>
</xs:complexType>
</xs:schema>
```

## 8 Appendix C: Product Behavior

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

- Microsoft® Exchange Server 2010
- Microsoft® Exchange Server 2013
- Microsoft® Outlook® 2010
- Microsoft® Outlook® 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 3.1.4.1.2.3:](#) Exchange 2010 and Outlook 2010 do not include the **PolicyNudgeRulesConfiguration** element.

[<2> Section 3.1.4.1.2.4:](#) Exchange 2010 and Outlook 2010 do not include the **rule** element.

[<3> Section 3.1.4.1.2.5:](#) Exchange 2010 and Outlook 2010 do not include the **RulePackage** element.

[<4> Section 3.1.4.1.3:](#) Exchange 2010 does not use the **PolicyNudgeRulesServiceConfiguration** complex type.

[<5> Section 3.1.4.1.3.1:](#) Exchange 2010 and Outlook 2010 do not include the **actionsType** complex type.

[<6> Section 3.1.4.1.3.2:](#) Exchange 2010 and Outlook 2010 do not include the **actionTypeType** complex type.

[<7> Section 3.1.4.1.3.3:](#) Exchange 2010 and Outlook 2010 do not include the **AffinityType** complex type.

[<8> Section 3.1.4.1.3.4:](#) Exchange 2010 and Outlook 2010 do not include the **AnyType** complex type.

[<9> Section 3.1.4.1.3.5:](#) Exchange 2010 and Outlook 2010 do not include the **ApplyType** complex type.

[<10> Section 3.1.4.1.3.9:](#) Exchange 2010 and Outlook 2010 do not include the **ClassificationDefinitionsType** complex type.

[<11> Section 3.1.4.1.3.10:](#) Exchange 2010 and Outlook 2010 do not include the **ClassificationDefinitionType** complex type.

[<12> Section 3.1.4.1.3.11:](#) Exchange 2010 and Outlook 2010 do not include the **classificationType** complex type.

- [<13> Section 3.1.4.1.3.12:](#) Exchange 2010 and Outlook 2010 do not use the **ConfigurationRequestDetailsType** complex type.
- [<14> Section 3.1.4.1.3.13:](#) Exchange 2010 and Outlook 2010 do not use the **DescriptionType** complex type.
- [<15> Section 3.1.4.1.3.14:](#) Exchange 2010 and Outlook 2010 do not include the **DetailsType** complex type.
- [<16> Section 3.1.4.1.3.15:](#) Exchange 2010 and Outlook 2010 do not include the **EncryptionType** complex type.
- [<17> Section 3.1.4.1.3.16:](#) Exchange 2010 and Outlook 2010 do not include the **EntityType** complex type.
- [<18> Section 3.1.4.1.3.17:](#) Exchange 2010 and Outlook 2010 do not include the **EvidenceType** complex type.
- [<19> Section 3.1.4.1.3.19:](#) Exchange 2010 and Outlook 2010 do not use the **ConfigurationRequestDetails** element.
- [<20> Section 3.1.4.1.3.20:](#) Exchange 2010 and Outlook 2010 do not include the **GroupType** complex type.
- [<21> Section 3.1.4.1.3.21:](#) Exchange 2010 and Outlook 2010 do not include the **IdMatchType** complex type.
- [<22> Section 3.1.4.1.3.22:](#) Exchange 2010 and Outlook 2010 do not include the **KeywordType** complex type.
- [<23> Section 3.1.4.1.3.23:](#) Exchange 2010 and Outlook 2010 do not include the **localeType** complex type.
- [<24> Section 3.1.4.1.3.24:](#) Exchange 2010 and Outlook 2010 do not include the **LocalizedDetailsType** complex type.
- [<25> Section 3.1.4.1.3.25:](#) Exchange 2010 and Outlook 2010 do not include the **LocalizedStringsType** complex type.
- [<26> Section 3.1.4.1.3.26:](#) Exchange 2010 and Outlook 2010 do not include the **MatchType** complex type.
- [<27> Section 3.1.4.1.3.27:](#) Exchange 2010 and Outlook 2010 do not include the **PolicyTipsEnabled** element.
- [<28> Section 3.1.4.1.3.27:](#) Exchange 2010 and Outlook 2010 do not include the **LargeAudienceCap** element.
- [<29> Section 3.1.4.1.3.28:](#) Exchange 2010 and Outlook 2010 do not include the **orType** complex type.
- [<30> Section 3.1.4.1.3.29:](#) Exchange 2010 and Outlook 2010 do not include the **orType** complex type.
- [<31> Section 3.1.4.1.3.30:](#) Exchange 2010 does not include the **PolicyNudgeRulesServiceConfiguration** complex type.



- <32> [Section 3.1.4.1.3.31](#): Exchange 2010 and Outlook 2010 do not include the **PolicyNudgeRulesConfigurationType** complex type.
- <33> [Section 3.1.4.1.3.32](#): Exchange 2010 and Outlook 2010 do not include the **PolicyNudgeRulesType** complex type.
- <34> [Section 3.1.4.1.3.33](#): Exchange 2010 and Outlook 2010 do not include the **PolicyNudgeRuleType** complex type.
- <35> [Section 3.1.4.1.3.34](#): Exchange 2010 and Outlook 2010 do not include the **predicateElementConstantType** complex type.
- <36> [Section 3.1.4.1.3.35](#): Exchange 2010 and Outlook 2010 do not include the **predicateElementMultipleChildType** complex type.
- <37> [Section 3.1.4.1.3.36](#): Exchange 2010 and Outlook 2010 do not include the **predicateElementSingleChildType** complex type.
- <38> [Section 3.1.4.1.3.45](#): Exchange 2010 and Outlook 2010 do not include the **PublisherType** complex type.
- <39> [Section 3.1.4.1.3.46](#): Exchange 2010 and Outlook 2010 do not include the **recipientType** complex type.
- <40> [Section 3.1.4.1.3.47](#): Exchange 2010 and Outlook 2010 do not include the **RegexType** complex type.
- <41> [Section 3.1.4.1.3.48](#): Exchange 2010 and Outlook 2010 do not include the **ResourceNameType** complex type.
- <42> [Section 3.1.4.1.3.49](#): Exchange 2010 and Outlook 2010 do not include the **ResourceType** complex type.
- <43> [Section 3.1.4.1.3.50](#): Exchange 2010 and Outlook 2010 do not include the **RulePackageContainerType** complex type.
- <44> [Section 3.1.4.1.3.51](#): Exchange 2010 and Outlook 2010 do not include the **RulePackageType** complex type.
- <45> [Section 3.1.4.1.3.52](#): Exchange 2010 and Outlook 2010 do not include the **RulePackType** complex type.
- <46> [Section 3.1.4.1.3.53](#): Exchange 2010 and Outlook 2010 do not include the **ruleType** complex type.
- <47> [Section 3.1.4.1.3.54](#): Exchange 2010 and Outlook 2010 do not include the **RulesType** complex type.
- <48> [Section 3.1.4.1.3.55](#): Exchange 2010 and Outlook 2010 do not include the **senderType** complex type.
- <49> [Section 3.1.4.1.3.57](#): Exchange 2010 does not use the **PolicyNudgeRulesConfiguration** element.
- <50> [Section 3.1.4.1.3.60](#): Exchange 2010 and Outlook 2010 do not include the **TermType** complex type.

<51> [Section 3.1.4.1.3.63](#): Exchange 2010 and Outlook 2010 do not include the **versionType** complex type.

<52> [Section 3.1.4.1.4.1](#): Exchange 2010 and Outlook 2010 do not include the **GuidType** simple type.

<53> [Section 3.1.4.1.4.2](#): Exchange 2010 and Outlook 2010 do not include the **LangType** simple type.

<54> [Section 3.1.4.1.4.3](#): Exchange 2010 and Outlook 2010 do not include the **minRequiredVersion** simple type.

<55> [Section 3.1.4.1.4.4](#): Exchange 2010 and Outlook 2010 do not include the **NameType** simple type.

<56> [Section 3.1.4.1.4.5](#): Exchange 2010 and Outlook 2010 do not include the **OptionalNameType** simple type.

<57> [Section 3.1.4.1.4.10](#): Exchange 2010 and Outlook 2010 do not include the **ProbabilityType** simple type.

<58> [Section 3.1.4.1.4.11](#): Exchange 2010 and Outlook 2010 do not include the **ProximityType** simple type.

<59> [Section 3.1.4.1.4.12](#): Exchange 2010 and Outlook 2010 do not include the **RestrictedTermType** simple type.

<60> [Section 3.1.4.1.4.13](#): Exchange 2010 and Outlook 2010 do not include the **RulePackNameType** simple type.

<61> [Section 3.1.4.1.4.14](#): Exchange 2010 does not use the **PolicyNudges** value.

<62> [Section 3.1.4.1.4.15](#): Exchange 2010 and Outlook 2010 do not include the **WorkloadType** simple type.

<63> [Section 3.1.4.1.4.16](#): Exchange 2010 and Outlook 2010 do not include the **yesnoType** simple type.

<64> [Section 7.1](#): The Classification Rule Package Container Type Schema is not applicable to Exchange 2010 and Outlook 2010.

<65> [Section 7.3](#): The Policy Nudge Rule Schema is not applicable to Exchange 2010 and Outlook 2010.

<66> [Section 7.4](#): The Policy Nudge Rule Types Schema is not applicable to Exchange 2010 and Outlook 2010.

<67> [Section 7.5](#): The Policy Nudge Rules Configuration Schema is not applicable to Exchange 2010 and Outlook 2010.

<68> [Section 7.6](#): The Policy Nudge Rules Configuration Types Schema is not applicable to Exchange 2010 and Outlook 2010.

<69> [Section 7.7](#): The Rule Package Types Schema is not applicable to Exchange 2010 and Outlook 2010.

<70> [Section 7.8](#): The Policy Nudge Rule Types Schema is not applicable to Exchange 2010 and Outlook 2010.

## 9 Change Tracking

This section identifies changes that were made to the [MS-OXWCONFIG] protocol document between the July 2012 and October 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 Introduction</a>	Updated the content to indicate that the protocol sends policy information.	N	Content updated
<a href="#">1.2.2 Informative References</a>	Added the reference [MS-OXPROTO].	N	Content updated
<a href="#">1.4 Relationship to Other Protocols</a>	Added informative reference information for overview of relationships between this and other protocols.	N	Content updated
<a href="#">2.2.1 Namespaces</a>	Added the <a href="http://schemas.microsoft.com/office/2011/mce">http://schemas.microsoft.com/office/2011/mce</a> target namespace.	N	Content updated
<a href="#">3.1.4.1 GetServiceConfiguration Operation</a>	Reordered sections to comply with template.	N	Content updated
<a href="#">3.1.4.1.2 Elements</a>	Updated the Elements table with the PolicyNudgeRulesConfiguration, rule, and RulePackage elements.	N	Content updated
<a href="#">3.1.4.1.2.3 PolicyNudgeRulesConfiguration</a>	Added a section that specifies the PolicyNudgeRulesConfiguration element.	Y	New content added.
<a href="#">3.1.4.1.2.4</a>	Added a section that specifies the rule	Y	New

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">rule</a>	element.		content added.
<a href="#">3.1.4.1.2.5 mce:RulePackage</a>	Added a section that specifies the RulePackage element.	Y	New content added.
<a href="#">3.1.4.1.3 Complex Types</a>	Updated the Complex Types table with the actionsType, actionTypeType, AffinityType, AnyType, ApplyType, ClassificationDefinitionsType, and ClassificationDefinitionType complex types.	N	Content updated .
<a href="#">3.1.4.1.3 Complex Types</a>	Updated the Complex Types table with the classificationType, DescriptionType, DetailsType, EncryptionType, EntityType, EvidenceType, GroupType, IdMatchType, KeywordType, and localeType complex types.	N	Content updated .
<a href="#">3.1.4.1.3 Complex Types</a>	Updated the Complex Types table with the LocalizedDetailsType, LocalizedStringsType, MatchType, orType, PatternType, PolicyNudgeRulesConfigurationType, and PolicyNudgeRulesType complex types.	N	Content updated .
<a href="#">3.1.4.1.3 Complex Types</a>	Updated the Complex Types table with the PolicyNudgeRuleType, predicateElementConstantType, predicateElementMultipleChildType, predicateElementSingleChildType, and PublisherType complex types.	N	Content updated .
<a href="#">3.1.4.1.3 Complex Types</a>	Updated the Complex Types table with the recipientType, RegexType, ResourceNameType, ResourceType, RulePackageContainerType, RulePackageType, RulePackType, ruleType, and RulesType complex types.	N	Content updated .
<a href="#">3.1.4.1.3 Complex Types</a>	Updated the Complex Types table with the senderType, TermType, VersionType, and versionType complex types.	N	Content updated .
<a href="#">3.1.4.1.3.1 actionsType Complex Type</a>	Added a section that specifies the actionsType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.2 actionTypeType Complex Type</a>	Added a section that specifies the actionTypeType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.3 mce:AffinityType Complex Type</a>	Added a section that specifies the AffinityType complex type.	Y	New content added.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Major change (Y or N)</b>	<b>Change type</b>
<a href="#">3.1.4.1.3.4</a> <a href="#">mce:AnyType Complex Type</a>	Added a section that specifies the AndyType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.5</a> <a href="#">ApplyType Complex Type</a>	Added a section that specifies the ApplyType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.9</a> <a href="#">ClassificationDefinitionsType Complex Type</a>	Added a section that specifies the ClassificationDefinitionsType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.10</a> <a href="#">ClassificationDefinitionType Complex Type</a>	Added a section that specifies the ClassificationDefinitionType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.11</a> <a href="#">classificationType Complex Type</a>	Added a section that specifies the classificationType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.12</a> <a href="#">t:ConfigurationRequestDetailsType</a>	Updated the information about the complex type.	N	Content updated .
<a href="#">3.1.4.1.3.13</a> <a href="#">mce:DescriptionType Complex Type</a>	Updated the information about the complex type.	Y	New content added.
<a href="#">3.1.4.1.3.14</a> <a href="#">mce:DetailsType Complex Type</a>	Added a section that specifies the DetailsType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.15</a> <a href="#">mce:EncryptionType Complex Type</a>	Added a section that specifies the EncryptionType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.16</a> <a href="#">mce:EntityType Complex Type</a>	Added a section that specifies the EntityType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.17</a> <a href="#">mce:EvidenceType Complex Type</a>	Added a section that specifies the EvidenceType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.19</a> <a href="#">m:GetServiceConfigurationType Complex Type</a>	Updated the description of the ConfigurationRequestDetails element.	N	Content updated .
<a href="#">3.1.4.1.3.20</a> <a href="#">mce:GroupType Complex Type</a>	Added a section that specifies the GroupType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.21</a> <a href="#">mce:IdMatchType Complex Type</a>	Added a section that specifies the IdMatchType complex type.	Y	New content added.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Major change (Y or N)</b>	<b>Change type</b>
<a href="#">3.1.4.1.3.22</a> <a href="#">mce:KeywordType Complex Type</a>	Added a section that specifies the KeywordType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.23</a> <a href="#">localeType Complex Type</a>	Added a section that specifies the localeType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.24</a> <a href="#">mce:LocalizedDetailsType Complex Type</a>	Added a section that specifies the LocalizedDetailsType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.25</a> <a href="#">mce:LocalizedStringsType Complex Type</a>	Added a section that specifies the LocalizedStringsType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.26</a> <a href="#">mce:MatchType Complex Type</a>	Added a section that specifies the MatchType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.28</a> <a href="#">orType Complex Type</a>	Added a section that specifies the orType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.29</a> <a href="#">mce:PatternType Complex Type</a>	Added a section that specifies the EntityType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.31</a> <a href="#">PolicyNudgeRulesConfigurationType Complex Type</a>	Added a section that specifies the PolicyNudgeRulesConfigurationType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.32</a> <a href="#">mce:PolicyNudgeRulesType Complex Type</a>	Added a section that specifies the PolicyNudgeRulesType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.33</a> <a href="#">PolicyNudgeRuleType Complex Type</a>	Added a section that specifies the PolicyNudgeRuleType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.34</a> <a href="#">predicateElementConstantType Complex Type</a>	Added a section that specifies the predicateElementConstantType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.35</a> <a href="#">predicateElementMultipleChildType Complex Type</a>	Added a section that specifies the predicateElementMultipleChildType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.36</a> <a href="#">predicateElementSingleChildType Complex Type</a>	Added a section that specifies the predicateElementSingleChildType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.45</a> <a href="#">mce:PublisherType Complex Type</a>	Added a section that specifies the PublisherType complex type.	Y	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.1.3.46</a> <a href="#">recipientType Complex Type</a>	Added a section that specifies the recipientType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.47</a> <a href="#">mce:RegexType Complex Type</a>	Added a section that specifies the RegexType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.48</a> <a href="#">mce:ResourceNameType Complex Type</a>	Added a section that specifies the ResourceNameType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.49</a> <a href="#">mce:ResourceType Complex Type</a>	Added a section that specifies the ResourceType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.50</a> <a href="#">mce:RulePackageContainerType Complex Type</a>	Added a section that specifies the RulePackageContainerType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.51</a> <a href="#">mce:RulePackageType Complex Type</a>	Added a section that specifies the RulePackageType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.52</a> <a href="#">mce:RulePackType Complex Type</a>	Added a section that specifies the RulePackType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.53</a> <a href="#">ruleType Complex Type</a>	Added a section that specifies the ruleType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.54</a> <a href="#">mce:RulesType Complex Type</a>	Added a section that specifies the RulesType complex type.	Y	Content updated.
<a href="#">3.1.4.1.3.55</a> <a href="#">senderType Complex Type</a>	Added a section that specifies the senderType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.57</a> <a href="#">ServiceConfigurationResponseMessageType Complex Type</a>	Added a description for the PolicyNudgeRulesConfiguration element.	N	Content updated.
<a href="#">3.1.4.1.3.60</a> <a href="#">mce:TermType Complex Type</a>	Added a section that specifies the TermType complex type.	Y	New content added.
<a href="#">3.1.4.1.3.62</a> <a href="#">VersionType Complex Type</a>	Added a section that specifies the VersionType complex type.	Y	New content added.
<a href="#">3.1.4.1.4</a> <a href="#">Simple Types</a>	Updated the SimpleTypes table with the GuidType, LangType, minRequiredVersionType, NameType,	N	Content updated.



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	OptionalNameType, ProbabilityType, ProximityType, RestrictedTermType, and RulePackNameType simple types.		
<a href="#">3.1.4.1.4 Simple Types</a>	Updated the Simple Types table with the WorkloadType and yesnoType simple types.	N	Content updated.
<a href="#">3.1.4.1.4.1 mce:GuidType Simple Type</a>	Added a section that specifies the GuidType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.2 mce:LangType Simple Type</a>	Added a section that specifies the LangType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.3 minRequiredVersionType Simple Type</a>	Added a section that specifies the minRequiredVersionType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.4 mce:NameType Simple Type</a>	Added a section that specifies the NameType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.5 mce:OptionalNameType Simple Type</a>	Added a section that specifies the OptionalNameType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.10 mce:ProbabilityType Simple Type</a>	Added a section that specifies the ProbabilityType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.11 mce:ProximityType Simple Type</a>	Added a section that specifies the ProximityType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.12 mce:RestrictedTermType Simple Type</a>	Added a section that specifies the RestrictedTermType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.13 mce:RulePackNameType Simple Type</a>	Added a section that specifies the RulePackNameType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.15 mce:WorkloadType Simple Type</a>	Added a section that specifies the WorkloadType simple type.	Y	New content added.
<a href="#">3.1.4.1.4.16 yesnoType Simple Type</a>	Added a section that specifies the yesnoType simple type.	Y	New content added.
<a href="#">7.1 Classification Rule Package Container Type Schema</a>	Added a section that specifies the Classification Rule Package Container Type schema.	Y	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">7.2 Messages Schema</a>	Changed the version identifier from Exchange2012 to Exchange2013.	N	Content updated.
<a href="#">7.3 Policy Nudge Rule Schema</a>	Added a section that specifies the Policy Nudge Rule Schema section.	Y	New content added.
<a href="#">7.4 Policy Nudge Rule Types Schema</a>	Added a section that specifies the Policy Nudge Rule Types Schema section.	Y	New content added.
<a href="#">7.5 Policy Nudge Rules Configuration Schema</a>	Added a section that specifies the the Policy Nudge Rules Configuration Schema section.	Y	New content added.
<a href="#">7.9 Types Schema</a>	Changed the version identifier from Exchange2012 to Exchange2013.	N	Content updated.

## 10 Index

### A

Abstract data model  
[server](#) 11  
[Applicability](#) 8  
[Attribute groups](#) 10  
[Attributes](#) 10

### C

[Capability negotiation](#) 8  
[Change tracking](#) 91  
[Complex types](#) 9

### D

Data model - abstract  
[server](#) 11

### E

Events  
[local - server](#) 63  
[timer - server](#) 62

### F

[Fields - vendor-extensible](#) 8  
[Full WSDL](#) 68  
[Full XML Schema](#) 70  
    [Classification Rule Package Container Type Schema](#) 70  
    [Messages Schema](#) 70  
    [Policy Nudge Rule Schema](#) 72  
    [Policy Nudge Rule Types Schema](#) 72  
    [Policy Nudge Rules Configuration Schema](#) 75  
    [Policy Nudge Rules Configuration Types Schema](#) 76  
    [Rule Package Schema](#) 77  
    [Rule Package Types Schema](#) 78  
    [Types Schema](#) 83

### G

[Glossary](#) 6  
[Groups](#) 10

### I

[Implementer - security considerations](#) 67  
[Index of security parameters](#) 67  
[Informative references](#) 7  
Initialization  
[server](#) 11  
[Introduction](#) 6

### L

Local events  
[server](#) 63

### M

Message processing  
[server](#) 11  
Messages  
[attribute groups](#) 10  
[attributes](#) 10  
[complex types](#) 9  
[elements](#) 9  
[enumerated](#) 9  
[groups](#) 10  
[namespaces](#) 9  
[simple types](#) 10  
[syntax](#) 9  
[transport](#) 9

### N

[Namespaces](#) 9  
[Normative references](#) 6

### O

Operations  
[GetServiceConfiguration Operation](#) 11  
[Overview \(synopsis\)](#) 7

### P

[Parameters - security index](#) 67  
[Preconditions](#) 8  
[Prerequisites](#) 8  
[Product behavior](#) 87

### R

[References](#) 6  
    [informative](#) 7  
    [normative](#) 6  
[Relationship to other protocols](#) 7

### S

Security  
[implementer considerations](#) 67  
[parameter index](#) 67  
Sequencing rules  
[server](#) 11  
Server  
[abstract data model](#) 11  
[GetServiceConfiguration Operation operation](#) 11  
[initialization](#) 11  
[local events](#) 63  
[message processing](#) 11  
[sequencing rules](#) 11

[timer events](#) 62  
[timers](#) 11  
[Simple types](#) 10  
[Standards assignments](#) 8  
Syntax  
[messages - overview](#) 9

## T

Timer events  
[server](#) 62  
Timers  
[server](#) 11  
[Tracking changes](#) 91  
[Transport](#) 9  
Types  
[complex](#) 9  
[simple](#) 10

## V

[Vendor-extensible fields](#) 8  
[Versioning](#) 8

## W

[WSDL](#) 68

## X

[XML Schema](#) 70  
[Classification Rule Package Container Type Schema](#) 70  
[Messages Schema](#) 70  
[Policy Nudge Rule Schema](#) 72  
[Policy Nudge Rule Types Schema](#) 72  
[Policy Nudge Rules Configuration Schema](#) 75  
[Policy Nudge Rules Configuration Types Schema](#) 76  
[Rule Package Schema](#) 77  
[Rule Package Types Schema](#) 78  
[Types Schema](#) 83