[MS-OWEMXML]:
Office Web Extensibility Manifest Format Specification

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

Revision Summary

Date	Revision History	Revision Class	Comments
01/20/2012	0.1	New	Released new document.

Table of Contents

1 Introduction

The Office Web Extensibility Manifest file format specifies the schema for Office Web Extension manifest files.

Sections 1.7 and 2 of this specification are normative and contain RFC 2119 language. All other sections and examples in this specification are informative.

1.1 Glossary

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

universally unique identifier (UUID)
XML

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

bare e-mail address
Boolean
catalog provider
contact
culture name
dictionary
docked
document
endpoint
hit highlighting
home page
icon
locale
localization
manifest
message body
Office Web Extension
pane
ribbon
task
Uniform Resource Locator (URL)
Web service
workbook

The following terms are specific to this document:

host application: An application which runs remotely through a hosted environment.

mailbox item: An instance of a calendar item or a mail item associated with the user's mailbox.

pixel: A discrete unit of display on a computer display device.

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

1.2 References

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

1.2.1 Normative References

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

[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

[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/

1.2.2 Informative References

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

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

1.3 Overview

The structures specified in this format provide an **XML** vocabulary for **Office Web Extension manifest** files. The elements and attributes specified in this format enable the implementer to provide the information required to enable implementations of the Office Web Extension Framework to activate Office Web Extensions.

The XML vocabulary is ordered around a base definition of an Office Web Extension (section 2.2.13) with syntax extensions specific to each of three extension types (section 1.3.1, section 1.3.2 and section 1.3.3)

The following sections provide an overview of the functionality supported by these extensions.

1.3.1 Task Pane Extensions

Task **Pane** Office Web Extensions provide the implementer with a Task Pane user interface with fixed initial width that is **docked** in the task pane area. Additional elements enable the implementer to specify extension source location **Uniform Resource Locator (URL)** by **culture names** for the extension's start page; to create Office Web Extensions that extend **dictionary** functionality if implemented in the document host; and to indicate the capabilities requested by the extension.

1.3.2 Content Extensions

Content Office Web Extensions provide the implementer with a user interface with a specifiable initial height and width that appears within the content of the document. Additional elements enable the implementer to specify extension source location Uniform Resource Locator (URL) by culture names for the source locations for the extension's start page; and to indicate the capabilities requested by the extension.

1.3.3   Contextual Extensions

Contextual Office Web Extensions provide the implementer with a user interface that has specifiable initial height that is sensitive to the form factor being used by the user. Additional elements enable the implementer to specify content-based activation rules; implementer to specify extension source location Uniform Resource Locator (URL) by culture names for the source locations for the extension's start page; and to indicate the capabilities requested by the extension.

1.4   Relationship to Protocols and Other Structures

None.

1.5   Applicability Statement

This document specifies the schema used by Office Web Extension manifest files. These files are not persisted into documents and as such are independent of application file formats. Manifest files are created by implementers and distributed through Office Web Extension catalogs.

1.6   Versioning and Localization

The Office Web Extension manifest file supports versioning and **localization** through explicit definition using pre-defined schema elements.

Versioning information is explicitly specified through the Version element in the OfficeWebExtension type documented in section 2.2.13

Localization information may be specified for any element that is defined with the LocaleAwareSetting type, documented in section 2.2.2 and throughout this document.

1.7   Vendor-Extensible Fields

None.

2 Structures

2.1 Global Elements

2.1.1 OfficeWebExtension

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

An OfficeWebExtension element, as defined in section 2.2.13 that specifies an Office Web Extension.

Attributes:

Type: A string defining one of the three Office Web Extension types. The Type attribute MUST be one of the following values:

Value	Action
ContentExtension	The manifest is defining a Content Office Web Extension
TaskPaneExtension	The manifest is defining a Task Pane Office Web Extension
ContextualExtension	The manifest is defining a Contextual Office Web Extension

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this element.

```
<xs:element name="OfficeWebExtension" type="OfficeWebExtension"/>
```

2.2 Complex Types

2.2.1 LocaleOverride

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: LocaleAwareSetting

The LocaleOverride complex type enables localization of schema attributes.

Attributes:

Locale: A string containing a culture name value attribute that is matched to the runtime culture name value of the host application to select a value. If no match is found then the default value of the setting is used.

Value: A NonEmptyString (section 2.3.1) attribute that specifies the value of the setting expressed in the specified **locale**.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LocaleOverride">
  <xs:attribute name="Locale" type="xs:string" use="required"/>
  <xs:attribute name="Value" type="NonEmptyString" use="required"/>
</xs:complexType>
```

2.2.2 LocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ContentExtensionSettings, TaskPaneExtensionSettings, ContextualExtensionSettings, OfficeWebExtension, ContentExtension, Dictionary, TaskPaneExtension, ContextualExtension

Defines a setting that is locale aware, that is, it can be specified for different locales.

Child Elements:

Override: A LocaleOverride element, as specified in section 2.2.1, that specifies the value of this setting in multiple additional locales.

Attributes:

DefaultValue: A NonEmptyString attribute, as defined in section 2.3.1, that specifies the default value for this setting, expressed in the locale specified by the **DefaultLocale** element of the current **OfficeWebExtension**, as described in section 2.2.13.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="LocaleOverride" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="NonEmptyString" use="required"/>
</xs:complexType>
```

2.2.3 ContentExtensionSettings

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ContentExtension

Defines the settings applicable to Content Office Web Extensions, these are in addition to the general settings available on the **OfficeWebExtension** type, as specified in section 2.2.13.

Child Elements:

SourceLocation: A LocaleAwareSetting element, as specified in section 2.2.2, that specifies one or more source file Uniform Resource Locator (URL) for this extension.

RequestedWidth: An integer element that specifies the desired window width to use for the initial insertion of the Office Web Extension, in **pixels**.

RequestedHeight: An integer element that specifies the desired window height to use for the initial insertion of the Office Web Extension, in pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ContentExtensionSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
```

```
      <xs:element name="RequestedWidth" minOccurs="1" maxOccurs="1"/>
      <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
```

2.2.4   TaskPaneExtensionSettings

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: TaskPaneExtension

Defines the settings applicable to Task Pane Office Web Extensions, these are in addition to the general settings available on the **OfficeWebExtension** type, as specified in section 2.2.13.

Child Elements:

SourceLocation: A LocaleAwareSetting element, as specified in section 2.2.2, that specifies one or more source file Uniform Resource Locator (URL) for this extension.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
  <xs:complexType name="TaskPaneExtensionSettings">
    <xs:sequence>
      <xs:element name="SourceLocation" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
```

2.2.5   ContextualExtensionSettings

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ContextualExtension

Defines the settings applicable to Contextual Office Web Extensions. These are in addition to the general settings available on the **OfficeWebExtension** type, as specified in section 2.2.13.

Child Elements:

SourceLocation: A LocaleAwareSetting element, as specified in section 2.2.2, that specifies one or more source file Uniform Resource Locator (URL) for this extension.

RequestedHeight: An integer element that specifies the desired window height to use for the initial insertion of the Office Web Extension, in pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
  <xs:complexType name="ContextualExtensionSettings">
    <xs:sequence>
      <xs:element name="SourceLocation" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
      <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
```

2.2.6   Rule

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: [ItemIs](), [ItemHasKnownEntity](), [ItemHasRegularExpressionMatch](), [RuleCollection](), [ContextualExtension]()

The **Rule** complex type is the base type used to define all types of rules for displaying Office Web Extensions.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Rule" abstract="true"/>
```

2.2.7   ItemIs

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

The **ItemIs** complex type defines a rule that evaluates to true if the **mailbox item** is of the specified type.

Attributes:

ItemType: An **ItemType** (section 2.3.2) attribute, as specified in section 2.3.2, that specifies the mailbox item to match.

ItemClass: An optional **NonEmptyString** (section 2.3.1) attribute, as specified in section 2.3.1, that specifies the mailbox item message class to match. If set the allowed values for the **ItemClass** attribute are "IPM.Appointment" and "IPM.Note".

IncludeSubClasses: An optional Boolean attribute that specifies whether the rule should evaluate to true if the mailbox item is of a subclass of the specified message class. If the **IncludeSubClasses** attribute is not specified, the default is false.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemIs">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="ItemType" type="ItemType" use="required"/>
      <xs:attribute name="ItemClass" type="NonEmptyString" use="optional"/>
      <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

2.2.8   ItemHasKnownEntity

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

The **ItemHasKnowEntity** complex type defines a rule that evaluates to true if the mailbox item contains a known entity, as specified in section 2.3.3.

Attributes:

EntityType: A **KnownEntityType** attribute, as specified in section 2.3.3, that specifies the type of entity that must be found for the rule to evaluate to true.

RegularExpression: A **NonEmptyString** (section 2.3.1) attribute, as specified in section 2.3.1, that specifies an optional regular expression that must be met by an entity found in the mailbox item in order for the rule to evaluate to true.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasKnownEntity">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="EntityType" type="KnownEntityType" use="required"/>
      <xs:attribute name="RegularExpression" type="NonEmptyString" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

2.2.9   ItemHasRegularExpressionMatch

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

The **ItemHasRegularExpressionMatch** complex type defines a rule that evaluates to true if a match for the specified regular expression is found in a mailbox item.

Attributes:

RegExName: A **NonEmptyString** (section 2.3.1) attribute, as specified in section 2.3.1, that specifies a name for the regular expression, for later reference.

RegExValue: A **NonEmptyString** attribute that specifies the regular expression to find matches for.

PropertyName: A **PropertyName** attribute, as specified in section 2.3.4, that specifies the name of the mailbox item property in which to look for matches.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasRegularExpressionMatch">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="RegExName" type="NonEmptyString" use="required"/>
      <xs:attribute name="RegExValue" type="NonEmptyString" use="required"/>
      <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

2.2.10   RuleCollection

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

The **RuleCollection** complex type defines a collection of rules and the logical operator, as specified in section 2.3.5, that should be applied when evaluating the rules.

Child Elements:

Rule: One or more **Rule** elements, as specified in section 2.2.6, that specify the rules that this collection contains.

Attributes:

Mode: A **LogicalOperator** attribute, as specified in section 2.3.5, that specifies the logical operation to apply to the collection of rules.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="RuleCollection">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:sequence>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

2.2.11   HostApp

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: CT_HostApps

Defines a host application, as defined in section 2.3.7, and its minimum version required by the Office Web Extension.

Attributes:

Name: A HostAppName attribute, as defined in section 2.3.7, that specifies the name of the host application.

MinVersion: A optional decimal attribute that specifies the minimum supported version of the host application. If the MinVersion is set to a value greater than the version of the host application then the Office Web Extension will be ignored.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="HostApp">
  <xs:attribute name="Name" type="HostAppName" use="required"/>
  <xs:attribute name="MinVersion" type="xs:decimal" use="optional"/>
</xs:complexType>
```

2.2.12 CT_HostApps

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: OfficeWebExtension, ContentExtension, TaskPaneExtension, ContextualExtension

A collection of **HostApp** elements, as defined in section 2.2.11, that define the host applications and versions supported by the Office Web Extension.

Child Elements:

HostApp: A HostApp element that specifies host application and version that this extension supports.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="CT_HostApps">
  <xs:sequence>
    <xs:element name="HostApp" type="HostApp" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

2.2.13 OfficeWebExtension

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ContentExtension, TaskPaneExtension, ContextualExtension, OfficeWebExtension

The **OfficeWebExtension** complex type is the base type used to define all types of Office Web Extensions.

Child Elements:

Id: A NonEmptyString (section 2.3.1) element that specifies an ID for the Office Web Extension. The Id MUST be unique within a **catalog provider**, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Id be a **universally unique identifier (UUID)** however this is not mandated.

IdIssuer: An IdIssuers (section 2.3.6) element that specifies the issuer of the Office Web Extension's Id. The IdIssuer value MUST be "Custom" when specified for all catalog providers except for Office Web Extensions that are sourced from the Office Public Marketplace where the IdIssuer value MUST be "OMEX".

Version: A NonEmptyString (section 2.3.1) element that specifies the version of the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Version be an integer that is incremented by the implementer when they issue an Office Web Extension manifest file revision.

ProviderName: A NonEmptyString (section 2.3.1) element that specifies the name of the individual or company that developed the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest.

DefaultLocale: A NonEmptyString (section 2.3.1) element that specifies the locale in which strings are expressed by default in this manifest, this element MUST appear once in the Office Web Extension's definition in the manifest. A culture name string such as "en-us" SHOULD be used. At

runtime the DefaultLocale value is used to match LocaleAwareSetting-typed strings for use if no match is found for the culture name setting in the **host application** session.

DisplayName: A LocaleAwareSetting (section 2.2.2) element that specifies the display name of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The DisplayName MUST NOT exceed 32 characters.

Description: A LocaleAwareSetting (section 2.2.2) element that specifies the description of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The Description MUST NOT exceed 2,000 characters.

IconUrl: A LocaleAwareSetting (section 2.2.2) element that specifies the Uniform Resource Locator (URL) of the image that should be used in the host application **ribbon** as an **icon** representation of the Office Web Extension. The IconUrl element MUST NOT exceed 1,024 characters.

HostApps: A CT_HostApps (section 2.2.12) element that specifies the host applications this extension supports, this element MUST appear once in the Office Web Extension's definition in the manifest.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="OfficeWebExtension" abstract="true">
  <xs:sequence>
    <xs:element name="Id" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="IdIssuer" type="IdIssuers" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Version" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="ProviderName" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="DefaultLocale" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="DisplayName" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
    <xs:element name="Description" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
    <xs:element name="IconUrl" type="LocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
    <xs:element name="HostApps" minOccurs="1" maxOccurs="1" type="CT_HostApps"/>
  </xs:sequence>
</xs:complexType>
```

2.2.14   ContentExtension

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Extends the OfficeWebExtension class, as defined in section 2.2.13, adding the elements required to define a content Office Web Extension

Child Elements:

Id: A NonEmptyString (section 2.3.1) element that specifies an ID for the Office Web Extension. The Id MUST be unique within a catalog provider, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Id be a universally unique identifier (UUID) however this is not mandated.

IdIssuer: An IdIssuers (section 2.3.6) element that specifies the issuer of the Office Web Extension's Id. The IdIssuer value MUST be "Custom" when specified for all catalog providers except for Office Web Extensions that are sourced from the Office Public Marketplace where the IdIssuer value MUST be "OMEX".

Version: A NonEmptyString (section 2.3.1) element that specifies the version of the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Version be an integer that is incremented by the implementer when they issue an Office Web Extension manifest file revision.

ProviderName: A NonEmptyString (section 2.3.1) element that specifies the name of the individual or company that developed the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest.

DefaultLocale: A NonEmptyString (section 2.3.1) element that specifies the locale in which strings are expressed by default in this manifest, this element MUST appear once in the Office Web Extension's definition in the manifest. A culture name string such as "en-us" SHOULD be used. At runtime the DefaultLocale value is used to match LocaleAwareSetting-typed strings for use if no match is found for the culture name setting in the host application session.

DisplayName: A LocaleAwareSetting (section 2.2.2) element that specifies the display name of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The DisplayName MUST NOT exceed 32 characters.

Description: A LocaleAwareSetting (section 2.2.2) element that specifies the description of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The Description MUST NOT exceed 2,000 characters.

IconUrl: A LocaleAwareSetting (section 2.2.2) element that specifies the Uniform Resource Locator (URL) of the image that should be used in the host application ribbon as an icon representation of the Office Web Extension. The IconUrl element MUST NOT exceed 1,024 characters.

HostApps: A CT_HostApps (section 2.2.12) element that specifies the host applications this extension supports, this element MUST appear once in the Office Web Extension's definition in the manifest.

DefaultSettings: A ContentExtensionSettings (section 2.2.3) element that specifies the default settings that apply whenever this extension is used. The **DefaultSettings** element MUST BE defined for all Office Web Extensions and MUST occur once in the manifest.

RequestedCapabilities: An ST_RequestedCapabilities (section 2.3.8) element that specifies the capabilities required by this extension. The **RequestedCapabilities** element MUST BE defined and MUST occur once in the manifest.

AllowSnapshot: A boolean element that specifies whether saving a image of this extensions when **documents** are saved is allowed.

Value	Action
True	When the document is saved by the host application, an image of the extension's window SHOULD be stored in the document if the host application has the capability to obtain extension images.
False	When the document is saved by the host application, an image SHOULD NOT be stored in the document.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ContentExtension">
  <xs:complexContent>
```

```
      <xs:extension base="OfficeWebExtension">
        <xs:sequence>
          <xs:element name="DefaultSettings" type="ContentExtensionSettings" minOccurs="1"
  maxOccurs="1"/>
          <xs:element name="RequestedCapabilities" minOccurs="1" maxOccurs="1"
  type="ST_RequestedCapabilities"/>
          <xs:element name="AllowSnapshot" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
```

2.2.15   Dictionary

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: TaskPaneExtension

Optional settings for Office Web Extensions that specify additional dictionary support. These additional settings enable additional filtering of extensions and subsequent placement in the user interface by dictionary-aware host applications.

Child Elements:

TargetLanguages: A TargetLanguages (section 2.2.16) element specifies the languages supported by this dictionary in culture name format. An Office Web Extension manifest with a **Dictionary** element MUST contain a **TargetLanguages** child element.

QueryUri: A LocaleAwareSetting (section 2.2.2) element that specifies the **endpoint** for the dictionary **Web service**. This service is called by capable host applications to pass selected user selected words from the document independent of the Office Web Extension user interface.

CitationText: A LocaleAwareSetting (section 2.2.2) element that specifies text to prepend to citations if the host application user adds citations to their document**.**

DictionaryName: A LocaleAwareSetting (section 2.2.2) element that specifies the name of this dictionary.

DictionaryHomePage: A LocaleAwareSetting (section 2.2.2) element that specifies the **home page** for the dictionary. This element is used to enable implementers to provide additional information to their users.

ContactEmail: A LocaleAwareSetting (section 2.2.2) element that specifies a **bare e-mail address** for the dictionary. These are used to allow users to contact the implementer.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
  <xs:complexType name="Dictionary">
    <xs:sequence>
      <xs:element name="TargetLanguages" type="TargetLanguages" minOccurs="1" maxOccurs="1"/>
      <xs:element name="QueryUri" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
      <xs:element name="CitationText" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
      <xs:element name="DictionaryName" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
      <xs:element name="DictionaryHomePage" type="LocaleAwareSetting" minOccurs="1"
  maxOccurs="1"/>
      <xs:element name="ContactEmail" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
```

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

2.2.16   TargetLanguages

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: Dictionary

This element represents a collection of one or more elements that specify the culture names supported by the dictionary. Every **Dictionary** element, specified in section 2.2.15, MUST contain a **TargetLanguages** element.

Child Elements:

TargetLanguage: A NonEmptyString (section 2.3.1) element that specifies a culture name supported by the **Dictionary** dictionary. The **TargetLanguage** SHOULD BE specified as a culture name string.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TargetLanguages">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="TargetLanguage" type="NonEmptyString"/>
  </xs:sequence>
</xs:complexType>
```

2.2.17   TaskPaneExtension

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Extends on the OfficeWebExtension class, as defined in section 2.2.13, adding the elements required to define a Task Pane Office Web Extension.

Child Elements:

Id: A NonEmptyString (section 2.3.1) element that specifies an ID for the Office Web Extension. The Id MUST be unique within a catalog provider, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Id be a universally unique identifier (UUID) however this is not mandated.

IdIssuer: An IdIssuers (section 2.3.6) element that specifies the issuer of the Office Web Extension's Id. The IdIssuer value MUST be "Custom" when specified for all catalog providers except for Office Web Extensions that are sourced from the Office Public Marketplace where the IdIssuer value MUST be "OMEX".

Version: A NonEmptyString (section 2.3.1) element that specifies the version of the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Version be an integer that is incremented by the implementer when they issue an Office Web Extension manifest file revision.

ProviderName: A NonEmptyString (section 2.3.1) element that specifies the name of the individual or company that developed the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest.

DefaultLocale: A NonEmptyString (section 2.3.1) element that specifies the locale in which strings are expressed by default in this manifest, this element MUST appear once in the Office Web Extension's definition in the manifest. A culture name string such as "en-us" SHOULD be used. At runtime the DefaultLocale value is used to match LocaleAwareSetting-typed strings for use if no match is found for the culture name setting in the host application session.

DisplayName: A LocaleAwareSetting (section 2.2.2) element that specifies the display name of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The DisplayName MUST NOT exceed 32 characters.

Description: A LocaleAwareSetting (section 2.2.2) element that specifies the description of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The Description MUST NOT exceed 2,000 characters.

IconUrl: A LocaleAwareSetting (section 2.2.2) element that specifies the Uniform Resource Locator (URL) of the image that should be used in the host application ribbon as an icon representation of the Office Web Extension. The IconUrl element MUST NOT exceed 1,024 characters.

HostApps: A CT_HostApps (section 2.2.12) element that specifies the host applications this extension supports, this element MUST appear once in the Office Web Extension's definition in the manifest.

DefaultSettings: A TaskPaneExtensionSettings (section 2.2.4) element that specifies the default settings which apply whenever this extension is used. This element MUST be present for Task Pane Office Web Extensions.

RequestedCapabilities: An ST_RequestedCapabilities1 (section 2.3.9) element that specifies the capabilities this extension needs. This element MUST be present for Task Pane Office Web Extensions.

Dictionary: A Dictionary (section 2.2.15) element that specifies Dictionary settings, as defined in section 2.2.15, for Task Pane Office Web Extensions that offer dictionary capabilities. This element is optional for Task Pane Office Web Extensions.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TaskPaneExtension">
  <xs:complexContent>
    <xs:extension base="OfficeWebExtension">
      <xs:sequence>
        <xs:element name="DefaultSettings" type="TaskPaneExtensionSettings" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="RequestedCapabilities" minOccurs="1" maxOccurs="1"
type="ST_RequestedCapabilities1"/>
        <xs:element name="Dictionary" type="Dictionary" minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

2.2.18 ContextualExtension

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Extends the base OfficeWebExtension class, adding the elements required to define a contextual Office Web Extension.

Child Elements:

Id: A NonEmptyString (section 2.3.1) element that specifies an ID for the Office Web Extension. The Id MUST be unique within a catalog provider, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Id be a universally unique identifier (UUID) however this is not mandated.

IdIssuer: An IdIssuers (section 2.3.6) element that specifies the issuer of the Office Web Extension's Id. The IdIssuer value MUST be "Custom" when specified for all catalog providers except for Office Web Extensions that are sourced from the Office Public Marketplace where the IdIssuer value MUST be "OMEX".

Version: A NonEmptyString (section 2.3.1) element that specifies the version of the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest. It is recommended that the Version be an integer that is incremented by the implementer when they issue an Office Web Extension manifest file revision.

ProviderName: A NonEmptyString (section 2.3.1) element that specifies the name of the individual or company that developed the Office Web Extension, this element MUST appear once in the Office Web Extension's definition in the manifest.

DefaultLocale: A NonEmptyString (section 2.3.1) element that specifies the locale in which strings are expressed by default in this manifest, this element MUST appear once in the Office Web Extension's definition in the manifest. A culture name string such as "en-us" SHOULD be used. At runtime the DefaultLocale value is used to match LocaleAwareSetting-typed strings for use if no match is found for the culture name setting in the host application session.

DisplayName: A LocaleAwareSetting (section 2.2.2) element that specifies the display name of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The DisplayName MUST NOT exceed 32 characters.

Description: A LocaleAwareSetting (section 2.2.2) element that specifies the description of the Office Web Extension, as displayed in host applications, this element MUST appear once in the Office Web Extension's definition in the manifest. The Description MUST NOT exceed 2,000 characters.

IconUrl: A LocaleAwareSetting (section 2.2.2) element that specifies the Uniform Resource Locator (URL) of the image that should be used in the host application ribbon as an icon representation of the Office Web Extension. The IconUrl element MUST NOT exceed 1,024 characters.

HostApps: A CT_HostApps (section 2.2.12) element that specifies the host applications this extension supports, this element MUST appear once in the Office Web Extension's definition in the manifest.

DefaultSettings: A **ContextualExtensionSettings** (section 2.2.5) element that specifies the settings that apply when this extension is used on a large form factor device such as a desktop computer.

TabletSettings: A **ContextualExtensionSettings** (section 2.2.5) element that specifies the settings that apply when this extension is used on a medium form factor device such as a tablet computer.

PhoneSettings: A **ContextualExtensionSettings** (section 2.2.5) element that specifies the settings that apply when this extension is used on a small form factor device such as a smartphone.

RequestedCapabilities: An **ST_RequestedCapabilities2** (section 2.3.10) element that specifies the capabilities this extension needs.

Rule: A **Rule** (section 2.2.6) element that specifies the rule that should be evaluated for this extension.

DisableEntityHighlighting: A boolean element that specifies whether **hit highlighting** should be turned off for this extension.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ContextualExtension">
  <xs:complexContent>
    <xs:extension base="OfficeWebExtension">
      <xs:sequence>
        <xs:element name="DefaultSettings" type="ContextualExtensionSettings" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="TabletSettings" type="ContextualExtensionSettings" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="PhoneSettings" type="ContextualExtensionSettings" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="RequestedCapabilities" minOccurs="1" maxOccurs="1"
type="ST_RequestedCapabilities2"/>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

2.3   Simple Types

2.3.1   NonEmptyString

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: LocaleOverride, LocaleAwareSetting, ItemIs, ItemHasKnownEntity, ItemHasRegularExpressionMatch, OfficeWebExtension, ContentExtension, TargetLanguages, TaskPaneExtension, ContextualExtension

Defines a string that MUST be at least one character. This type is used to improve manifest file validation against the schema, as an empty string will be flagged.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

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

2.3.2 ItemType

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ItemIs

The **ItemType** simple type defines the known mailbox items than can be used with the **ItemIs** rule, as specified in section 2.2.7.

Value	Meaning
Message	The item is an email message.
Appointment	The item is a calendar appointment.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ItemType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Message"/>
    <xs:enumeration value="Appointment"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.3 KnownEntityType

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ItemHasKnownEntity

The **KnownEntityType** simple type defines the known entity types that can be recognized by rules defined by the **ItemHasKnownEntity** complex type, as specified in section 2.2.8, in the message subject and **message body** of a mailbox item.

Value	Meaning
MeetingSuggestion	Specifies that the entity is a meeting suggestion.
TaskSuggestion	Specifies that the entity is a **task** suggestion.
Address	Specifies that the entity is a U.S postal or street address.
Url	Specifies that the entity is a Uniform Resource Locator (URL)
PhoneNumber	Specifies that the entity is a U.S. phone number.
PersonName	Specifies that the entity is a person's name.
BusinessName	Specifies that the entity is a business name.
EmailAddress	Specifies that the entity is a bare email address.
Contact	Specifies that the entity is a **contact**.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="KnownEntityType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="MeetingSuggestion"/>
    <xs:enumeration value="TaskSuggestion"/>
    <xs:enumeration value="Address"/>
    <xs:enumeration value="Url"/>
    <xs:enumeration value="PhoneNumber"/>
    <xs:enumeration value="PersonName"/>
    <xs:enumeration value="BusinessName"/>
    <xs:enumeration value="EmailAddress"/>
    <xs:enumeration value="Contact"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.4   PropertyName

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ItemHasRegularExpressionMatch

The **PropertyName** simple type defines property names that can be used with rules, defined in section 2.2.6, using the **ItemHasRegularExpressionMatch** complex type, as specified in section 2.2.9.

Value	Meaning
Subject	The rule matches the regular expression against the contents of the mailbox item subject.
Body	The rule matches the regular expression against the contents of the mailbox item message body.
SenderSMTPAddress	The rule matches the regular expression against the mailbox item bare email address.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="PropertyName">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Subject"/>
    <xs:enumeration value="Body"/>
    <xs:enumeration value="SenderSMTPAddress"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.5   LogicalOperator

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: RuleCollection

The **LogicalOperator** simple type defines the logical operators that can be used to combine rules, defined in section 2.2.6, with the **RuleCollection** complex type, as specified in section 2.2.10.

Value	Meaning
And	The rules should be evaluated using the **Boolean** AND operator.
Or	The rules should be evaluated using the Boolean OR operator.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LogicalOperator">
  <xs:restriction base="xs:string">
    <xs:enumeration value="And"/>
    <xs:enumeration value="Or"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.6 IdIssuers

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: OfficeWebExtension, ContentExtension, TaskPaneExtension, ContextualExtension

Defines who has issued the Office Web Extension Id, defined in section 2.2.13. This optional element is used to identify Office Web Extensions that originated in the Office Public Marketplace.

Value	Meaning
OMEX	The Office Public Marketplace has issued the Id
Custom	A catalog provider other than the Office Public Marketplace has issued the Id

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="IdIssuers">
  <xs:restriction base="xs:string">
    <xs:enumeration value="OMEX"/>
    <xs:enumeration value="Custom"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.7 HostAppName

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: HostApp

This type defines the available host application types that can host Office Web Extensions. Implementers of host applications should map to one or more of these values to target specific sets of Office Web Extensions.

Value	Meaning
Outlook	A mailbox item host application

Value	Meaning
Word	A document host application
Excel	A **workbook** host application
Project	A project management host application

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="HostAppName">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Outlook"/>
    <xs:enumeration value="Word"/>
    <xs:enumeration value="Excel"/>
    <xs:enumeration value="Project"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.8 ST_RequestedCapabilities

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ContentExtension

This type defines the capabilities available to be requested by content Office Web Extensions. Capabilities define which areas of the Office Web Extension API are required by the Office Web Extension and may be used by Office Web Extension customers to control the Office Web Extension.

The following diagram shows the relationship between capabilities:
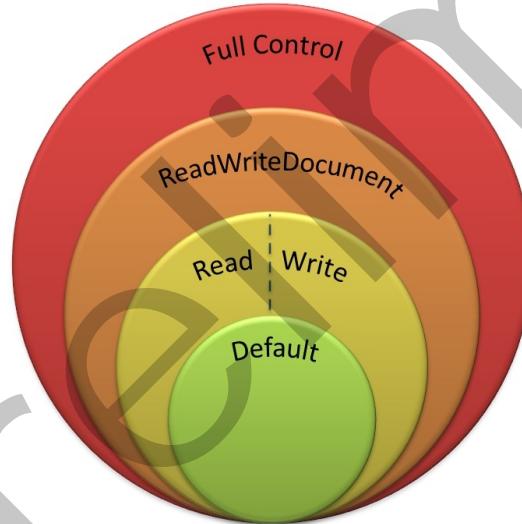
Figure 1: Relationship between capabilities

The outer capabilities aggregate the inner capabilities. Note that ReadDocument & WriteDocument (abbreviated in the preceding diagram and defined in the following table) are exclusive: both include the Default capability and are then aggregated in the ReadWriteDocument capability.

Value	Meaning
Default	The extension will be activated and has network and user interface access but no access to the document contents.
ReadDocument	Includes the Default capability and adds the ability to access the document Read and Event Subscription functionality of the Office Web Extension API.
WriteDocument	Includes the Default capability and adds the ability to access the document Write functionality of the Office Web Extension API.
ReadWriteDocument	Includes the ReadDocument and WriteDocument capabilities
FullAccess	Includes the ReadWriteDocument capability and adds the ability to use certain ActiveX controls.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedCapabilities">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Default"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
    <xs:enumeration value="FullAccess"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.9   ST_RequestedCapabilities1

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: TaskPaneExtension

This type defines the capabilities available to be requested by Task Pane Office Web Extensions. Capabilities define which areas of the Office Web Extension API are required by the Office Web Extension and may be used by Office Web Extension customers to control the Office Web Extension.

The following diagram shows the relationship between capabilities:
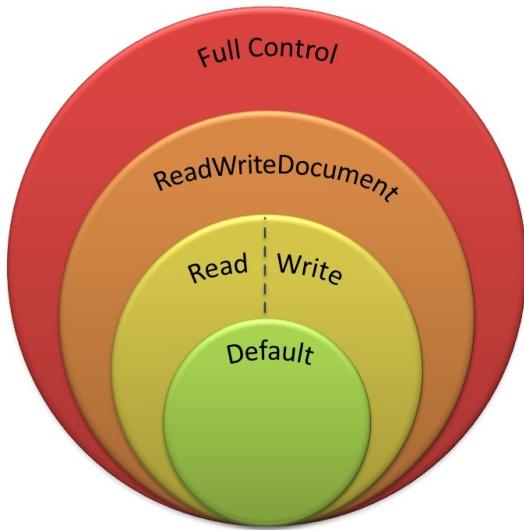
Figure 2: Relationship between capabilities

The outer capabilities aggregate the inner capabilities. Note that ReadDocument and WriteDocument (abbreviated in the preceding diagram and defined in the following table) are exclusive: both include the Default capability and are then aggregated in the ReadWriteDocument capability.

Value	Meaning
Default	The extension will be activated and has network and user interface access but no access to the document contents.
ReadDocument	Includes the Default capability and adds the ability to access the document Read and Event Subscription functionality of the Office Web Extension API.
WriteDocument	Includes the Default capability and adds the ability to access the document Write functionality of the Office Web Extension API..
ReadWriteDocument	Includes the ReadDocument and WriteDocument capabilities
FullAccess	Includes the ReadWriteDocument capability and adds the ability to use certain ActiveX controls.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedCapabilities1">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Default"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
    <xs:enumeration value="FullAccess"/>
  </xs:restriction>
</xs:simpleType>
```

2.3.10 ST_RequestedCapabilities2

Target namespace: http://schemas.microsoft.com/office/webextensions/1.0

Referenced by: ContextualExtension

This type defines the capabilities available to be requested by content Office Web Extensions. Capabilities define which areas of the Office Web Extension API are required by the Office Web Extension and may be used by Office Web Extension customers to control the Office Web Extension.

The following diagram shows the relationship between capabilities:

Figure 3: Relationship between capabilities

The outer capabilities aggregate the inner capabilities. The capabilities MAY be used to restrict installation to specific types of users, for example an Office Web Extension with ReadWriteMailbox might only be installed by privileged user of the mailbox item server.

Value	Meaning
Restricted	Office Web Extensions with this capability are given read only access to the following entities from the mailbox item: ▪ Address ▪ URL ▪ PhoneNumber
ReadItem	Office Web Extensions with this capability are given all Restricted capability access (as defined in this table) as well as read only access to the following entities from the mailbox item: ▪ BusinessName ▪ Name ▪ Question

Value	Meaning
	- TaskSuggestion - MeetingSuggestion - EmailAddress As well as full access to the Office Web Extension API
ReadWriteMailbox	Office Web Extensions with this capability are given all ReadItem capability access (as defined in this table) as well as the ability to make calls into the Mailbox host server.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedCapabilities2">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadItem"/>
    <xs:enumeration value="ReadWriteMailbox"/>
  </xs:restriction>
</xs:simpleType>
```

3   Structure Examples

There are three main types of Office Web Extension (as defined with the type attribute documented in section 2.1.1). In addition the TaskpaneExtension (section 2.2.4) includes additional elements to enable the implementer to support dictionary functionality. These three types (and the dictionary sub-type) are shown in the following examples.

3.1   Content Office Web Extension

Sample manifest for a Content Office Web Extension:

```
<?xml version="1.0" encoding="utf-8"?>
<OfficeWebExtension xmlns="http://schemas.microsoft.com/office/webextensions/1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="ContentExtension">
  <Id>ABCD</Id>
  <Version>1.0</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>EN-US</DefaultLocale>
  <DisplayName DefaultValue="Office Web Extension"/>
  <Description DefaultValue="Describe the features of this Office Web Extension."/>
  <IconUrl DefaultValue="http://www.thumbnailurl.com/ContentIcon.png" />

  <HostApps>
    <HostApp Name="Excel" MinVersion="15"/>
  </HostApps>

  <DefaultSettings>
    <SourceLocation DefaultValue="http://contoso.com/mysuperextension/incontent.html"/>
    <RequestedWidth>200</RequestedWidth>
    <RequestedHeight>200</RequestedHeight>
  </DefaultSettings>

  <RequestedCapabilities>ReadWriteDocument</RequestedCapabilities>

  <AllowSnapshot>true</AllowSnapshot>

</OfficeWebExtension>
```

3.2   Task Pane Office Web Extension

Sample manifest for a Task Pane Office Web Extension:

```
<?xml version="1.0" encoding="utf-8"?>
<OfficeWebExtension xmlns="http://schemas.microsoft.com/office/webextensions/1.0"
                    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="TaskPaneExtension">
  <Id>5678</Id>
  <Version>1.0</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>EN-US</DefaultLocale>
  <DisplayName DefaultValue="Office Web Extension"/>
  <Description DefaultValue="Describe the features of this Office Web Extension."/>
  <IconUrl DefaultValue="http://www.thumbnailurl.com/ExtensionIcon.png" />

  <HostApps>
    <HostApp Name="Word" MinVersion="15"/>
```

```xml
      <HostApp Name="Excel" MinVersion="15"/>
      <HostApp Name="Project" MinVersion="15"/>
    </HostApps>

    <DefaultSettings>
      <SourceLocation DefaultValue="http://contoso.com/taskpaneextension/taskpane.html"/>
    </DefaultSettings>

    <RequestedCapabilities>ReadWriteDocument</RequestedCapabilities>

</OfficeWebExtension>
```

3.3 Task Pane Office Web Extension with Dictionary Functionality

Sample manifest for a Task Pane Office Web Extension that provides dictionary support:

```xml
<?xml version="1.0" encoding="utf-8"?>
<OfficeWebExtension xmlns="http://schemas.microsoft.com/office/webextensions/1.0"
                    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="TaskPaneExtension">
  <Id>1234</Id>
  <Version>1.0</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>FR-FR</DefaultLocale>
  <DisplayName DefaultValue=" Extension Web de Office "/>
  <Description DefaultValue=" Décrire les caractéristiques de cette Extension Web de
Office."/>
  <IconUrl DefaultValue="http://www.thumbnailurl.fr/ImageFrancais.png" />

  <HostApps>
    <HostApp Name="Word" MinVersion="15"/>
    <HostApp Name="Excel" MinVersion="15"/>
    <HostApp Name="Project" MinVersion="15"/>
  </HostApps>

  <DefaultSettings>
    <SourceLocation DefaultValue="http://contoso.com/mysuperextension/taskpane.html"/>
  </DefaultSettings>

  <RequestedCapabilities>WriteDocument</RequestedCapabilities>

  <Dictionary>
    <TargetLanguages>
      <TargetLanguage>fr-fr</TargetLanguage>
      <TargetLanguage>en-us</TargetLanguage>
      <TargetLanguage>jp-jp</TargetLanguage>
    </TargetLanguages>
    <QueryUri DefaultValue="http://www.webserviceurl.fr" />
    <CitationText DefaultValue="1234 Citation Text" />
    <DictionaryName DefaultValue="The Best Dictionary" />
    <DictionaryHomePage DefaultValue="www.Homepage.www" />
    <ContactEmail DefaultValue="supportMoes@Dictionary.com" />
  </Dictionary>

</OfficeWebExtension>
```

3.4 Contextual OfficeWebExtension

Sample manifest for a Contextual Office Web Extension:

```xml
<?xml version="1.0" encoding="utf-8"?>
<OfficeWebExtension xmlns="http://schemas.microsoft.com/office/webextensions/1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="ContextualExtension">
  <Id>1234</Id>
  <Version>1.0</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>EN-US</DefaultLocale>
  <DisplayName DefaultValue="Office Web Extension"/>
  <Description DefaultValue="Describe the features of this Office Web Extension."/>
  <IconUrl DefaultValue="http://www.thumbnailurl.com/ENUSIcon.png" />

  <HostApps>
    <HostApp Name="Outlook" MinVersion="15"/>
  </HostApps>

  <DefaultSettings>
    <SourceLocation DefaultValue="http://contoso.com/contextextension/desktop.html"/>
    <RequestedHeight>250</RequestedHeight>
  </DefaultSettings>

  <TabletSettings>
    <SourceLocation DefaultValue="http://contoso.com/contextextension/tablet.html"/>
    <RequestedHeight>200</RequestedHeight>
  </TabletSettings>

  <PhoneSettings>
    <SourceLocation DefaultValue="http://contoso.com/contextextension/phone.html"/>
    <RequestedHeight>150</RequestedHeight>
  </PhoneSettings>

  <RequestedCapabilities>ReadItem</RequestedCapabilities>

  <Rule xsi:type="ItemIs" ItemType="Message"/>

  <DisableEntityHighlighting>true</DisableEntityHighlighting>

</OfficeWebExtension>
```

4   Security

4.1   Security Considerations for Implementers

None

4.2   Index Of Security Fields

None.

5 Appendix A: Full XML Schemas

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

```xml
<xs:schema id="OfficeWebExtensionManifest" elementFormDefault="qualified" version="1.0"
targetNamespace="http://schemas.microsoft.com/office/webextensions/1.0"
xmlns="http://schemas.microsoft.com/office/webextensions/1.0"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="NonEmptyString">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="LocaleOverride">
    <xs:attribute name="Locale" type="xs:string" use="required"/>
    <xs:attribute name="Value" type="NonEmptyString" use="required"/>
  </xs:complexType>
  <xs:complexType name="LocaleAwareSetting">
    <xs:sequence>
      <xs:element name="Override" type="LocaleOverride" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="DefaultValue" type="NonEmptyString" use="required"/>
  </xs:complexType>
  <xs:complexType name="ContentExtensionSettings">
    <xs:sequence>
      <xs:element name="SourceLocation" type="LocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      <xs:element name="RequestedWidth" minOccurs="1" maxOccurs="1"/>
      <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="TaskPaneExtensionSettings">
    <xs:sequence>
      <xs:element name="SourceLocation" type="LocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ContextualExtensionSettings">
    <xs:sequence>
      <xs:element name="SourceLocation" type="LocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="Rule" abstract="true"/>
  <xs:complexType name="ItemIs">
    <xs:complexContent>
      <xs:extension base="Rule">
        <xs:attribute name="ItemType" type="ItemType" use="required"/>
        <xs:attribute name="ItemClass" type="NonEmptyString" use="optional"/>
        <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:simpleType name="ItemType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Message"/>
      <xs:enumeration value="Appointment"/>
    </xs:restriction>
```

```
    </xs:simpleType>
    <xs:simpleType name="KnownEntityType">
      <xs:restriction base="xs:string">
        <xs:enumeration value="MeetingSuggestion"/>
        <xs:enumeration value="TaskSuggestion"/>
        <xs:enumeration value="Address"/>
        <xs:enumeration value="Url"/>
        <xs:enumeration value="PhoneNumber"/>
        <xs:enumeration value="PersonName"/>
        <xs:enumeration value="BusinessName"/>
        <xs:enumeration value="EmailAddress"/>
        <xs:enumeration value="Contact"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemHasKnownEntity">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="EntityType" type="KnownEntityType" use="required"/>
          <xs:attribute name="RegularExpression" type="NonEmptyString" use="optional"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="PropertyName">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Subject"/>
        <xs:enumeration value="Body"/>
        <xs:enumeration value="SenderSMTPAddress"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemHasRegularExpressionMatch">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="RegExName" type="NonEmptyString" use="required"/>
          <xs:attribute name="RegExValue" type="NonEmptyString" use="required"/>
          <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="LogicalOperator">
      <xs:restriction base="xs:string">
        <xs:enumeration value="And"/>
        <xs:enumeration value="Or"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="RuleCollection">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:sequence>
            <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
          <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="IdIssuers">
      <xs:restriction base="xs:string">
        <xs:enumeration value="OMEX"/>
        <xs:enumeration value="Custom"/>
      </xs:restriction>
```

```
        </xs:simpleType>
        <xs:simpleType name="HostAppName">
          <xs:restriction base="xs:string">
            <xs:enumeration value="Outlook"/>
            <xs:enumeration value="Word"/>
            <xs:enumeration value="Excel"/>
            <xs:enumeration value="Project"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:complexType name="HostApp">
          <xs:attribute name="Name" type="HostAppName" use="required"/>
          <xs:attribute name="MinVersion" type="xs:decimal" use="optional"/>
        </xs:complexType>
        <xs:complexType name="CT_HostApps">
          <xs:sequence>
            <xs:element name="HostApp" type="HostApp" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
        <xs:complexType name="OfficeWebExtension" abstract="true">
          <xs:sequence>
            <xs:element name="Id" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
            <xs:element name="IdIssuer" type="IdIssuers" minOccurs="0" maxOccurs="1"/>
            <xs:element name="Version" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
            <xs:element name="ProviderName" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
            <xs:element name="DefaultLocale" type="NonEmptyString" minOccurs="1" maxOccurs="1"/>
            <xs:element name="DisplayName" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
            <xs:element name="Description" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
            <xs:element name="IconUrl" type="LocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
            <xs:element name="HostApps" minOccurs="1" maxOccurs="1" type="CT_HostApps"/>
          </xs:sequence>
        </xs:complexType>
        <xs:simpleType name="ST_RequestedCapabilities">
          <xs:restriction base="xs:string">
            <xs:enumeration value="Default"/>
            <xs:enumeration value="ReadDocument"/>
            <xs:enumeration value="WriteDocument"/>
            <xs:enumeration value="ReadWriteDocument"/>
            <xs:enumeration value="FullAccess"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:complexType name="ContentExtension">
          <xs:complexContent>
            <xs:extension base="OfficeWebExtension">
              <xs:sequence>
                <xs:element name="DefaultSettings" type="ContentExtensionSettings" minOccurs="1"
      maxOccurs="1"/>
                <xs:element name="RequestedCapabilities" minOccurs="1" maxOccurs="1"
      type="ST_RequestedCapabilities"/>
                <xs:element name="AllowSnapshot" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="Dictionary">
          <xs:sequence>
            <xs:element name="TargetLanguages" type="TargetLanguages" minOccurs="1" maxOccurs="1"/>
            <xs:element name="QueryUri" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
            <xs:element name="CitationText" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
```

```
      <xs:element name="DictionaryName" type="LocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      <xs:element name="DictionaryHomePage" type="LocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      <xs:element name="ContactEmail" type="LocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="TargetLanguages">
    <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="TargetLanguage" type="NonEmptyString"/>
    </xs:sequence>
  </xs:complexType>
  <xs:simpleType name="ST_RequestedCapabilities1">
    <xs:restriction base="xs:string">
    <xs:enumeration value="Default"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
    <xs:enumeration value="FullAccess"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="TaskPaneExtension">
    <xs:complexContent>
      <xs:extension base="OfficeWebExtension">
        <xs:sequence>
          <xs:element name="DefaultSettings" type="TaskPaneExtensionSettings" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="RequestedCapabilities" minOccurs="1" maxOccurs="1"
type="ST_RequestedCapabilities1"/>
          <xs:element name="Dictionary" type="Dictionary" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:simpleType name="ST_RequestedCapabilities2">
    <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadItem"/>
    <xs:enumeration value="ReadWriteMailbox"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="ContextualExtension">
    <xs:complexContent>
      <xs:extension base="OfficeWebExtension">
        <xs:sequence>
          <xs:element name="DefaultSettings" type="ContextualExtensionSettings" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="TabletSettings" type="ContextualExtensionSettings" minOccurs="0"
maxOccurs="1"/>
          <xs:element name="PhoneSettings" type="ContextualExtensionSettings" minOccurs="0"
maxOccurs="1"/>
          <xs:element name="RequestedCapabilities" minOccurs="1" maxOccurs="1"
type="ST_RequestedCapabilities2"/>
          <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
          <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
```

```
<xs:element name="OfficeWebExtension" type="OfficeWebExtension"/>
</xs:schema>
```

6   Appendix B: Product Behavior

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

- Microsoft® Exchange Server 15 Technical Preview

- Microsoft® Project 15 Technical Preview

- Microsoft® Outlook® 15 Technical Preview

- Microsoft® Word 15 Technical Preview

- Microsoft® Excel® 15 Technical Preview

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

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

7 Change Tracking

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

8 Index