

# [MS-SPRSS]:

## RSS 2.0 Format Extensions

---

### Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.
- **Copyrights.** This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft [Open Specification Promise](#) or the [Community Promise](#). If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting [iplg@microsoft.com](mailto:iplg@microsoft.com).
- **Trademarks.** The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit [www.microsoft.com/trademarks](http://www.microsoft.com/trademarks).
- **Fictitious Names.** The example companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

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

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

## Revision Summary

Date	Revision History	Revision Class	Comments
4/4/2008	0.1	New	Initial Availability
4/25/2008	0.2	Editorial	Revised and edited the technical content
6/27/2008	1.0	Major	Revised and edited the technical content
12/12/2008	1.01	Editorial	Revised and edited the technical content
7/13/2009	1.02	Major	Revised and edited the technical content
8/28/2009	1.03	Editorial	Revised and edited the technical content
11/6/2009	1.04	Editorial	Revised and edited the technical content
2/19/2010	2.0	Editorial	Revised and edited the technical content
3/31/2010	2.01	Editorial	Revised and edited the technical content
4/30/2010	2.02	Editorial	Revised and edited the technical content
6/7/2010	2.03	Editorial	Revised and edited the technical content
6/29/2010	2.04	Minor	Clarified the meaning of the technical content.
7/23/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
9/27/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
11/15/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
12/17/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
3/18/2011	2.04	None	No changes to the meaning, language, or formatting of the technical content.
6/10/2011	2.04	None	No changes to the meaning, language, or formatting of the technical content.
1/20/2012	3.0	Major	Significantly changed the technical content.
4/11/2012	3.0	None	No changes to the meaning, language, or formatting of the technical content.
7/16/2012	3.0	None	No changes to the meaning, language, or formatting of the technical content.
9/12/2012	3.0	None	No changes to the meaning, language, or formatting of the technical content.
10/8/2012	3.0	None	No changes to the meaning, language, or formatting of the technical content.
2/11/2013	3.0	None	No changes to the meaning, language, or formatting of the technical content.
7/30/2013	3.1	Minor	Clarified the meaning of the technical content.

<b>Date</b>	<b>Revision History</b>	<b>Revision Class</b>	<b>Comments</b>
11/18/2013	3.1	None	No changes to the meaning, language, or formatting of the technical content.
2/10/2014	3.1	None	No changes to the meaning, language, or formatting of the technical content.
4/30/2014	3.1	None	No changes to the meaning, language, or formatting of the technical content.
7/31/2014	3.1	None	No changes to the meaning, language, or formatting of the technical content.
10/30/2014	3.1	None	No changes to the meaning, language, or formatting of the technical content.
2/26/2016	4.0	Major	Significantly changed the technical content.

# Table of Contents

<b>1</b>	<b>Introduction</b>	<b>5</b>
1.1	Glossary	5
1.2	References	5
1.2.1	Normative References	5
1.2.2	Informative References	6
1.3	Overview	6
1.4	Relationship to Protocols and Other Structures	6
1.5	Applicability Statement	6
1.6	Versioning and Localization	6
1.7	Vendor-Extensible Fields	7
<b>2</b>	<b>Structures</b>	<b>8</b>
2.1	Namespaces	8
2.2	Elements	8
2.2.1	Author element	8
2.2.2	Url element	8
2.2.3	managingEditor element	8
2.2.4	webMaster element	9
2.2.5	language element	9
2.2.6	pubDate element	9
2.2.7	Link element	9
2.2.7.1	Channel link element	9
2.2.7.2	Item link element	9
2.2.8	media:thumbnail element	10
2.2.9	media:content element	10
2.2.10	search:jobtitle element	10
2.2.11	search:workphone element	10
2.2.12	search:officenumbers element	10
2.2.13	search:workemail element	11
2.2.14	search:hithighlightedsunmary element	11
2.2.15	search:responsibility element	11
2.2.16	search:skills element	11
2.2.17	search:schools element	12
2.2.18	search:pastprojects element	12
2.2.19	search:interests element	12
2.2.20	search:dotfileextension element	12
2.2.21	search:size element	13
2.2.22	search:datepicturetaken element	13
2.2.23	search:hierarchyurl element	13
2.2.24	search:orgnames element	13
2.2.25	search:orgurls element	14
2.2.26	search:orgparentnames element	14
2.2.27	search:orgparenturls element	14
<b>3</b>	<b>Structure Examples</b>	<b>15</b>
3.1	Updates to Content	15
3.2	Search Results	15
<b>4</b>	<b>Security</b>	<b>17</b>
4.1	Security Considerations for Implementers	17
4.2	Index of Security Parameters	17
<b>5</b>	<b>Appendix A: Product Behavior</b>	<b>18</b>
<b>6</b>	<b>Change Tracking</b>	<b>19</b>
<b>7</b>	<b>Index</b>	<b>21</b>



# 1 Introduction

The RSS 2.0 Format Extensions specifies extensions to the Really Simple Syndication (RSS) 2.0 format. It assumes familiarity with the concepts and requirements that are described in the RSS 2.0 specification.

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

## 1.1 Glossary

This document uses the following terms:

**email address:** A string that identifies a user and enables the user to receive Internet messages.

**Internationalized Resource Identifier (IRI):** A resource identifier that conforms to the rules for Internationalized Resource Identifiers, as defined in [\[RFC3987\]](#).

**Really Simple Syndication (RSS):** An XML-based syndication format for content, as described in [\[RSS2.0\]](#).

**RSS channel:** An RSS channel, as described in [\[RSS2.0\]](#).

**RSS item:** An item element in an RSS feed, as described in [\[RSS2.0\]](#).

**Uniform Resource Locator (URL):** A string of characters in a standardized format that identifies a document or resource on the World Wide Web. The format is as specified in [\[RFC1738\]](#).

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

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

**XML Path Language (XPath):** A language used to create expressions that can address parts of an XML document, manipulate strings, numbers, and Booleans, and can match a set of nodes in the document, as specified in [\[XPath\]](#). XPath models an XML document as a tree of nodes of different types, including element, attribute, and text. XPath expressions can identify the nodes in an XML document based on their type, name, and values, as well as the relationship of a node to other nodes in the document.

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

## 1.2 References

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

### 1.2.1 Normative References

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

[MRSS1.5.1] Yahoo!, "'Media RSS" Specification Version 1.5.1", Version 1.5.1, September 2009, <http://www.rssboard.org/media-rss>

[RFC1738] Berners-Lee, T., Masinter, L., and McCahill, M., Eds., "Uniform Resource Locators (URL)", RFC 1738, December 1994, <http://www.ietf.org/rfc/rfc1738.txt>

[RFC1766] Alvestrand, H., "Tags for the Identification of Languages", RFC 1766, March 1995, <http://www.ietf.org/rfc/rfc1766.txt>

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[RFC3987] Duerst, M., and Suignard, M., "Internationalized Resource Identifiers (IRIs)", RFC 3987, January 2005, <http://www.ietf.org/rfc/rfc3987.txt>

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

[RFC822] Crocker, D.H., "Standard for ARPA Internet Text Messages", STD 11, RFC 822, August 1982, <http://www.ietf.org/rfc/rfc0822.txt>

[RSS2.0] Winer, D., "RSS 2.0 Specification", Fall 2002, version 2.0.1: July 2003, <http://cyber.law.harvard.edu/rss/rss.html>

[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/>

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

## 1.2.2 Informative References

[MSFT-SHORTDATE] Microsoft Corporation, "Standard Date and Time Format Strings", <http://msdn.microsoft.com/en-us/library/az4se3k1.aspx>

## 1.3 Overview

This structure extends the semantics of specific elements of the RSS 2.0 syndication format for Web content. The RSS 2.0 format is a syndication format that can be used to serialize data from a Web site. A typical usage scenario for this structure is to serialize updates to a list of site content or search results.

## 1.4 Relationship to Protocols and Other Structures

This structure extends the Really Simple Syndication (RSS) 2.0 format, as described in [\[RSS2.0\]](#).

## 1.5 Applicability Statement

This structure is designed to serialize fewer than 1,000 item elements and fewer than 50 megabytes of content.

## 1.6 Versioning and Localization

None.

## 1.7 Vendor-Extensible Fields

None.



## 2 Structures

The following sections specify the extensions to the RSS 2.0 format, as specified in [\[RSS2.0\]](#). This document uses **XML Path Language (XPath)** expressions, as specified in [\[XPATH\]](#), to refer to elements that are specified in [\[RSS2.0\]](#).

### 2.1 Namespaces

This specification defines and references various **XML namespaces** using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates a specific **XML namespace prefix** for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability. These namespaces are described in the following table.

Prefix	Namespace	Reference
media	<a href="http://search.yahoo.com/mrss/">http://search.yahoo.com/mrss/</a>	<a href="#">[MRSS1.5.1]</a>
search	<a href="http://schemas.microsoft.com/SharePoint/Search/RSS">http://schemas.microsoft.com/SharePoint/Search/RSS</a>	

### 2.2 Elements

#### 2.2.1 Author element

The author of an **RSS item**.

```
/rss/channel/item/author
```

The **author** element, as specified in [\[RSS2.0\]](#), requires an **email address**. The RSS 2.0 format extensions extend the **author** element such that it MAY contain the display name of the author.

#### 2.2.2 Url element

The **URL** of the image for an **RSS channel**.

```
/rss/channel/image/url
```

The **url** element, as specified in [\[RSS2.0\]](#), requires that the image URL targets an image that is stored in one of the following formats: Graphics Interchange Format (GIF), Portable Network Graphics (PNG), or Joint Photographic Experts Group (JPEG). The RSS 2.0 format extensions extend the **url** element such that it SHOULD contain the URL of an image in any format, or else MAY contain a user-supplied string value that contains fewer than 255 characters.

#### 2.2.3 managingEditor element

The person who is responsible for the editorial content of an RSS channel.

```
/rss/channel/managingEditor
```

The **managingEditor** element, as specified in [\[RSS2.0\]](#), requires an email address. The RSS 2.0 format extensions extend the **managingEditor** element such that the element MAY contain a user-supplied string value. The string value MUST contain fewer than 255 characters.

## 2.2.4 webMaster element

The person who is responsible for technical issues for an RSS channel.

```
/rss/channel/webMaster
```

The **webMaster** element, as specified in [\[RSS2.0\]](#), requires an email address. The RSS 2.0 format extensions extend the **webMaster** element such that the element MAY contain a user-supplied string value. The string value MUST contain fewer than 255 characters.

## 2.2.5 language element

The language in which the RSS channel is written.

```
/rss/channel/language
```

The **language** element, as specified in [\[RSS2.0\]](#), requires a language tag, as specified in [\[RFC1766\]](#). The RSS 2.0 format extensions extend the **language** element such that it MAY contain a language tag as specified in [\[RFC4646\]](#).

## 2.2.6 pubDate element

The publication date for content in the **RSS** item.

```
/rss/channel/item/pubDate
```

The **pubDate** element, as specified in [\[RSS2.0\]](#), requires a date that uses the format specified in [\[RFC822\]](#) Section 5. The RSS 2.0 format extensions extend the **pubDate** element such that it MAY contain a date in an implementation-specific format, such as any of the formats described in [\[MSFT-SHORTDATE\]](#).

## 2.2.7 Link element

### 2.2.7.1 Channel link element

The URL of the source of the content for the RSS channel on the Web site.

```
/rss/channel/link
```

The **link** element, as specified in [\[RSS2.0\]](#), requires a URL, as specified in [\[RFC1738\]](#). The RSS 2.0 format extensions extend the **link** element such that it MAY contain an **Internationalized Resource Identifier (IRI)**, as specified in [\[RFC3987\]](#).

### 2.2.7.2 Item link element

The URL of the source of the content for the RSS item on the Web site.

`/rss/channel/item/link`

The **link** element, as specified in [\[RSS2.0\]](#), requires a URL, as specified in [\[RFC1738\]](#). The RSS 2.0 format extensions extend the **link** element such that it MAY contain an IRI, as specified in [\[RFC3987\]](#).

### 2.2.8 media:thumbnail element

The thumbnail image for the RSS item.

`/rss/channel/item/media:thumbnail`

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **media:thumbnail** element, as specified in [\[MRSS1.5.1\]](#) section 5.6.

### 2.2.9 media:content element

The media object that is represented by the RSS item.

`/rss/channel/item/media:content`

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **media:content** element, as specified in [\[MRSS1.5.1\]](#) section 4.2. If the URL to the direct media object is not included, the **media:player** element MUST be used, as specified in [\[MRSS1.5.1\]](#) section 5.9.

### 2.2.10 search:jobtitle element

The job title of the person who is represented by the RSS item.

`/rss/channel/item/search:jobtitle`

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:jobtitle** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain fewer than 150 characters, for example, `<search:jobtitle>Software Engineer</search:jobtitle>`.

### 2.2.11 search:workphone element

The work-related telephone number of the person who is represented by the RSS item.

`/rss/channel/item/search:workphone`

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:workphone** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain fewer than 100 characters, for example, `<search:workphone>421112222</search:workphone>`.

### 2.2.12 search:officenum element

The office number of the person who is represented by the RSS item.

```
/rss/channel/item/search:officenumber
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:officenumber** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain fewer than 250 characters, for example, `<search:officenumber>Room 2345</search:officenumber>`.

### 2.2.13 search:workemail element

The work-related email address of the person who is represented by the RSS item.

```
/rss/channel/item/search:workemail
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:workemail** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain an email address of fewer than 256 characters, for example, `<search:workemail>joe@contoso.com</search:workemail>`.

### 2.2.14 search:hithighlightedsummary element

A summary description of the RSS item.

```
/rss/channel/item/search:hithighlightedsummary
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:hithighlightedsummary** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain fewer than 7000 characters, for example, `<search:hithighlightedsummary>Contoso Web site</search:hithighlightedsummary>`.

### 2.2.15 search:responsibility element

The work-related responsibility of the person who is represented by the RSS item.

```
/rss/channel/item/search:responsibility
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:responsibility** element. This element MUST be of type String and MUST NOT occur more than once. If there is more than one name in this element, each name MUST be separated by a semicolon (;). This element MUST contain fewer than 250 characters, for example, `<search:responsibility>sales;marketing</search:responsibility>`.

### 2.2.16 search:skills element

The skills of the person who is represented by the RSS item.

```
/rss/channel/item/search:skills
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:skills** element. This element MUST be of type String and MUST NOT occur more than once. If there is more than one name in this element, each name MUST be separated by a

semicolon (;). This element MUST contain fewer than 250 characters, for example, `<search:skills>C++;Java</search:skills>`.

### 2.2.17 search:schools element

The schools that were attended by the person who is represented by the RSS item.

```
/rss/channel/item/search:schools
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:schools** element. This element MUST be of type String and MUST NOT occur more than once. If there is more than one name in this element, each name MUST be separated by a semicolon (;). This element MUST contain fewer than 250 characters, for example, `<search:schools>University of Washington;University of Michigan</search:schools>`.

### 2.2.18 search:pastprojects element

The past projects of the person who is represented by the RSS item.

```
/rss/channel/item/search:pastprojects
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:pastprojects** element. This element MUST be of type String and MUST NOT occur more than once. If there is more than one name in this element, each name MUST be separated by a semicolon (;). This element MUST contain fewer than 250 characters, for example, `<search:pastprojects>database system;widget system</search:pastprojects>`.

### 2.2.19 search:interests element

The interests of the person who is represented by the RSS item.

```
/rss/channel/item/search:interests
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:interests** element. This element MUST be of type String and MUST NOT occur more than once. If there is more than one name in this element, each name MUST be separated by a semicolon (;). This element MUST contain fewer than 250 characters, for example, `<search:interests>golf;hockey</search:interests>`.

### 2.2.20 search:dotfileextension element

The file name extension of the file that is represented by the RSS item.

```
/rss/channel/item/search:dotfileextension
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:dotfileextension** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST begin with a period (.) and MAY contain more than 7 characters, for example, `<search:dotfileextension>.docx</search:dotfileextension>`.

### 2.2.21 search:size element

The size, in bytes, of the content that is represented by the RSS item.

```
/rss/channel/item/search:size
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:size** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain a non-negative number, for example, `<search:size>42</search:size>`.

### 2.2.22 search:datepicturetaken element

The date when the picture that is represented by the RSS item was taken.

```
/rss/channel/item/search:datepicturetaken
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:datepicturetaken** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain a date in an implementation-specific format, such as any of the formats described in [\[MSFT-SHORTDATE\]](#).

### 2.2.23 search:hierarchyurl element

The URL of the page that shows the organizational hierarchy for the person who is represented by the RSS item.

```
/rss/channel/item/search:hierarchyurl
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:hierarchyurl** element. This element MUST be of type String and MUST NOT occur more than once. This element MUST contain an IRI, as specified in [\[RFC3987\]](#). This element MUST contain fewer than 4,064 characters, for example, `<search:hierarchyurl>http://servername/my/_layouts/OrganizationView.aspx?ProfileType=User&accountname=smith</search:hierarchyurl>`.

### 2.2.24 search:orgnames element

The names of the organizations that are associated with the person who is represented by the RSS item.

```
/rss/channel/item/search:orgnames
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:orgnames** element. This element MUST be of type String and MUST NOT occur more than once. If there is more than one name in this element, each name MUST be separated by a semicolon (;). Each name MUST contain fewer than 65,536 characters, for example, `<search:orgnames>Florida marketing;search</search:orgnames>`.

### 2.2.25 search:orgurls element

The URLs of the pages that contain information about each of the organizations associated with the person who is represented by the RSS item.

```
/rss/channel/item/search:orgurls
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:orgurls** element. This element MUST be of type String and MUST NOT occur more than once. This element MAY contain multiple URLs. Each URL MUST correspond to a name in and MUST be in the same order as the **orgnames** (section [2.2.24](#)) element. Each URL in this element MUST be an IRI, as specified in [\[RFC3987\]](#). If there is more than one URL in this element, each URL MUST be separated by a semicolon (;). Each URL MUST contain fewer than 65,536 characters, for example, <search:orgurls>

```
http://servername/my/Organization.aspx?Id=3;http://servername/my/Organization.aspx?Id=4</search:orgurls>.
```

### 2.2.26 search:orgparentnames element

The names of the parent organizations of the organizations that are associated with the person who is represented by the RSS item.

```
/rss/channel/item/search:orgparentnames
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:orgparentnames** element. This element MUST be of type String and MUST NOT occur more than once. If there is more than one name in this element, each name MUST be separated by a semicolon (;). Each name in this element MUST contain fewer than 4,064 characters, for example, <search:orgparentnames>east coast marketing;office</search:orgparentnames>.

### 2.2.27 search:orgparenturls element

The URLs of the pages that contain information about each of the parent organizations of the person who is represented by the RSS item.

```
/rss/channel/item/search:orgparenturls
```

The RSS 2.0 format extensions extend the **item** element, as specified in [\[RSS2.0\]](#), such that it SHOULD contain a **search:orgparenturls** element. This element MUST be of type String and MUST NOT occur more than once. This element MAY contain multiple URLs. Each URL in this element MUST correspond to a name in and MUST be in the same order as the **orgparentnames** (section [2.2.26](#)) element. Each URL in this element MUST be an IRI, as specified in [\[RFC3987\]](#). If there is more than one URL in this element, each URL MUST be separated by a semicolon (;). Each URL MUST contain fewer than 4,064 characters, for example, <search:orgparenturls>

```
http://servername/my/Organization.aspx?Id=8;http://servername/my/Organization.aspx?Id=9</search:orgparenturls>.
```

## 3 Structure Examples

### 3.1 Updates to Content

An implementer might construct the following RSS structure to serialize updates to a list of announcements. This structure example contains a **url** element that contains the server-relative URL of an icon image and an **author** element that contains the display name of the author.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--RSS generated by Microsoft SharePoint Foundation RSS Generator on 1/20/2010 1:52:30 PM-->
<?xml-stylesheet type="text/xsl" href="/sites/contoso/_layouts/RssXslt.aspx?List=6f773a82-79a2-4466-90cf-b8b9a62b8579" version="1.0"?>
<rss version="2.0">
  <channel>
    <title>Dev: Announcements</title>
    <link>http://contoso/sites/contoso/Lists/Announcements/AllItems.aspx</link>
    <description>RSS feed for the Announcements list.</description>
    <lastBuildDate>Wed, 20 Jan 2010 21:52:30 GMT</lastBuildDate>
    <generator>Microsoft SharePoint Foundation RSS Generator</generator>
    <ttl>60</ttl>
    <image>
      <title>Dev: Announcements</title>
      <url>/sites/contoso/_layouts/images/homepage.ico</url>
      <link>http://contoso/sites/contoso/Lists/Announcements/AllItems.aspx</link>
    </image>
    <item>
      <title>Get Started with Microsoft SharePoint Foundation!</title>
      <link>http://contoso/sites/contoso/Lists/Announcements/DispForm.aspx?ID=1</link>
      <description><![CDATA[<div><b>Body:</b> <div class=ExternalClass8B15BA22772143BDA2549F82584B3758>Microsoft SharePoint Foundation helps you be more effective by connecting people, information, and documents. For information about getting started, see Help.</div></div> <div><b>Expires:</b> 1/20/2010</div> ]]></description>
      <author>Terry Adams</author>
      <pubDate>Wed, 20 Jan 2010 21:41:38 GMT</pubDate>
      <guid isPermaLink="true">http://contoso/sites/contoso/Lists/Announcements/DispForm.aspx?ID=1</guid>
    </item>
  </channel>
</rss>
```

### 3.2 Search Results

An implementer might construct the following RSS structure to serialize a list of search results for a document search.

```
<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet type="text/xsl"
href="http://www.contoso.com/SearchCenter/_layouts/RssXslt.aspx" version="1.0"?>
<rss version="2.0"
xmlns:media="http://search.yahoo.com/mrss"
xmlns:search="http://schemas.microsoft.com/SharePoint/Search/RSS">
  <channel>
    <title>Search Results: SharePoint</title>
    <link>http://www.contoso.com/SearchCenter/Pages/results.aspx?k=SharePoint</link>
    <description>Search RSS feed for Microsoft Office SharePoint Server 2007</description>
    <language>en-US</language>
    <lastBuildDate>Fri, 07 Mar 2008 11:05:53 GMT</lastBuildDate>
    <generator>Microsoft Office SharePoint Server 2007 RSS Generator</generator>
    <ttl>60</ttl>
    <image>
      <title>Search Results: SharePoint</title>
```



```

    <url>http://www.contoso.com/SearchCenter/_layouts/images/homepage.gif</url>
    <link>http://www.contoso.com/SearchCenter/Pages/results.aspx?k=SharePoint</link>
  </image>
  <item>
    <title>Blog</title>
    <link>http://www.contoso.com/sites/testé/blog</link>
    <description><![CDATA[<div style="margin-top:5px"><link rel="stylesheet"
type="text/css" href="http://www.contonso.com/_layouts/1033/styles/portal.css" /><span
class="srch-Icon"><a href="http://www.contoso.com/sites/testé/blog" title="Blog"></a></span><span class="psrch-Description"><b>SharePoint</b> feed sample
</span><p class="srch-Metadata"><span class="srch-URL"><a
href="http://www.contoso.com/sites/testé/blog"
title="Blog">http://www.contoso.com/sites/testé/blog</a></span></p></div>]]>
    </description>
    <author>Jane Doe</author>
    <pubDate>3/2/2008</pubDate>
  </item>
</channel>
</rss>

```

An implementer might construct the following RSS structure to serialize a list of search results for a people search.

```

<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet type="text/xsl"
href="http://www.contoso.com/SearchCenter/_layouts/RssXslt.aspx" version="1.0"?>
<rss version="2.0"
xmlns:media="http://search.example.com/mrss"
xmlns:search="http://schemas.microsoft.com/SharePoint/Search/RSS">
  <channel>
    <title>Search Results: SharePoint</title>
    <link>http://www.contoso.com/SearchCenter/Pages/peoplereults.aspx?k=SharePoint</link>
    <description>Search RSS feed for Microsoft Office SharePoint Server 2007</description>
    <language>en-US</language>
    <lastBuildDate>Fri, 07 Mar 2008 11:05:53 GMT</lastBuildDate>
    <generator>Microsoft Office SharePoint Server 2007 RSS Generator</generator>
    <ttl>60</ttl>
    <image>
      <title>Search Results: SharePoint</title>
      <url>http://www.contoso.com/SearchCenter/_layouts/images/homepage.gif</url>
    </image>
    <link>http://www.contoso.com/SearchCenter/Pages/peoplereults.aspx?k=SharePoint</link>
    </image>
    <item>
      <title>Terry Adams</title>
      <link>http://my/person.aspx?guid=63B67957-5446-4705-9C6F-91376238361E</link>
      <description><![CDATA[<div style="margin-top:5px"><link rel="stylesheet"
type="text/css" href="http://www.contoso.com/SearchCenter/_layouts/1033/styles/search.css"
/><span class="srch-Icon"><a href="http://my/Person.aspx?guid=63B67957-5446-4705-9C6F-
91376238361E" title=""></a></span><span class="psrch-Description"><b>SharePoint</b>
2007<b>SharePoint</b><b>SharePoint</b> Server 2007<b>SharePoint</b> Products and
TechnologiesWindows <b>SharePoint</b> Services v3Windows <b>SharePoint</b> Services
</span><p
class="srch-Metadata"><span class="srch-URL"><a href="http://my/Person.aspx?guid=63B67957-
5446-4705-9C6F-91376238361E" title="">http://my/Person.aspx?guid=63B67957-5446-4705-9C6F-
91376238361E</a></span></p></div>]]>
      </description>
      <search:jobtitle>Senior Software Implementer</search:jobtitle>
      <search:skills>c++;java</search:skills>
      <search:interests>soccer</search:interests>
    </item>
  </channel>
</rss>

```

## **4 Security**

### **4.1 Security Considerations for Implementers**

None.

### **4.2 Index of Security Parameters**

None.

## 5 Appendix A: Product Behavior

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

- Microsoft SharePoint Foundation 2010
- Windows SharePoint Services 3.0
- Microsoft SharePoint Foundation 2013
- Microsoft SharePoint Server 2016

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.

## 6 Change Tracking

This section identifies changes that were made to this document since the last release. 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.
- The removal of a document from the documentation set.

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 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 changes were introduced. Minor editorial and formatting changes may have been made, but the technical content of the document is identical to the last released version.

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.
- 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 [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">5</a> Appendix A: Product Behavior	Updated list of supported products.	Y	Content updated due to protocol revision.

## 7 Index

### A

[Applicability](#) 6

### C

[Change tracking](#) 19

[Common data types and fields](#) 8

### D

[Data types and fields - common](#) 8

Details

[author element](#) 8

[channel link element](#) 9

[common data types and fields](#) 8

[item link element](#) 9

[language element](#) 9

[managingEditor element](#) 8

[media:content element](#) 10

[media:thumbnail element](#) 10

[namespaces](#) 8

[pubDate element](#) 9

[search:datepicturetaken element](#) 13

[search:dotfileextension element](#) 12

[search:hierarchyurl element](#) 13

[search:hithighlightedsummary element](#) 11

[search:interests element](#) 12

[search:jobtitle element](#) 10

[search:officnumber element](#) 10

[search:orgnames element](#) 13

[search:orgparentnames element](#) 14

[search:orgparenturls element](#) 14

[search:orgurls element](#) 14

[search:pastprojects element](#) 12

[search:responsibility element](#) 11

[search:schools element](#) 12

[search:size element](#) 13

[search:skills element](#) 11

[search:workemail element](#) 11

[search:workphone element](#) 10

[url element](#) 8

[webMaster element](#) 9

### E

Elements

[author](#) 8

[channel link](#) 9

[item link](#) 9

[language](#) 9

[managingEditor](#) 8

[media:content](#) 10

[media:thumbnail](#) 10

[pubDate](#) 9

[search:datepicturetaken](#) 13

[search:dotfileextension](#) 12

[search:hierarchyurl](#) 13

[search:hithighlightedsummary](#) 11

[search:interests](#) 12

[search:jobtitle](#) 10

[search:officnumber](#) 10

[search:orgnames](#) 13

[search:orgparentnames](#) 14

[search:orgparenturls](#) 14

[search:orgurls](#) 14

[search:pastprojects](#) 12

[search:responsibility](#) 11

[search:schools](#) 12

[search:size](#) 13

[search:skills](#) 11

[search:workemail](#) 11

[search:workphone](#) 10

[url](#) 8

[webMaster](#) 9

Examples

[Search Results](#) 15

[Updates to Content](#) 15

### F

[Fields - vendor-extensible](#) 7

### G

[Glossary](#) 5

### I

[Implementer - security considerations](#) 17

[Index of security parameters](#) 17

[Informative references](#) 6

[Introduction](#) 5

### L

[Localization](#) 6

### N

[Normative references](#) 5

### O

[Overview \(synopsis\)](#) 6

### P

[Parameters - security index](#) 17

[Product behavior](#) 18

### R

[References](#) 5

[informative](#) 6

[normative](#) 5

[Relationship to protocols and other structures](#) 6

### S

[Search Results example](#) 15

## Security

[implementer considerations](#) 17  
[parameter index](#) 17

## Structures

[author](#) 8  
[channel link](#) 9  
[item link](#) 9  
[language](#) 9  
[managingEditor](#) 8  
[media:content](#) 10  
[media:thumbnail](#) 10  
[namespaces](#) 8  
[overview](#) 8  
[pubDate](#) 9  
[search:datepicturetaken](#) 13  
[search:dotfileextension](#) 12  
[search:hierarchyurl](#) 13  
[search:hithighlightedsdsummary](#) 11  
[search:interests](#) 12  
[search:jobtitle](#) 10  
[search:officenumbr](#) 10  
[search:orgnames](#) 13  
[search:orgparentnames](#) 14  
[search:orgparenturls](#) 14  
[search:orgurls](#) 14  
[search:pastprojects](#) 12  
[search:responsibility](#) 11  
[search:schools](#) 12  
[search:size](#) 13  
[search:skills](#) 11  
[search:workemail](#) 11  
[search:workphone](#) 10  
[url](#) 8  
[webMaster](#) 9

## T

[Tracking changes](#) 19

## U

[Updates to Content example](#) 15

## V

[Vendor-extensible fields](#) 7  
[Versioning](#) 6