

Compare Articles or Web Pages

2,748 matching words were found:

Item 1

3,146 words, 87% matched

Item 2

2,962 words, 93% matched

<p>RSS 2.0 Specification</p> <p>Archivist's Note: This is the current version of the</p>		
<p>RSS 2.0</p>	<p>« 3 words »</p>	<p>RSS 2.0</p>
<p>specification, published by the RSS Advisory Board on March 30, 2009 as version 2.0.11. The current version of the RSS spec will always be available at this link, all changes have been logged and other revisions have been archived.</p>		<p>at Harvard Law</p> <p>Internet technology hosted by Berkman Center</p> <p>RSS 2.0 Specification</p> <p>Tuesday, July 15, 2003</p>
<p>Contents</p> <p>What is RSS?</p> <p>Sample files</p> <p>About this document</p> <p>Required channel elements</p> <p>Optional channel elements</p> <p>Elements of <item></p> <p>Comments</p> <p>Extending RSS</p> <p>Roadmap</p> <p>License and authorship</p> <p>What is RSS?</p>	<p>« 198 words »</p>	<p>Contents</p> <p>What is RSS?</p> <p>Sample files</p> <p>About this document</p> <p>Required channel elements</p> <p>Optional channel elements</p> <p>Elements of <item></p> <p>Comments</p> <p>Extending RSS</p> <p>Roadmap</p> <p>License and authorship What is RSS?</p> <p>RSS is a Web content syndication format.</p>

RSS is a Web content syndication format.		Its name is an acronym for Really Simple Syndication.
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RSS is a dialect of XML. All RSS files must conform to the XML 1.0 specification, as published on the World Wide Web Consortium (W3C) website.		RSS is a dialect of XML. All RSS files must conform to the XML 1.0 specification, as published on the World Wide Web Consortium (W3C) website.
A summary of RSS version history.		A summary of RSS version history.
At the top level, a RSS document is a <rss> element, with a mandatory attribute called version, that specifies the version of RSS that the document conforms to. If it conforms to this specification, the version attribute must be 2.0.		At the top level, a RSS document is a <rss> element, with a mandatory attribute called version, that specifies the version of RSS that the document conforms to. If it conforms to this specification, the version attribute must be 2.0.
Subordinate to the <rss> element is a single <channel> element, which contains information about the channel (metadata) and its contents.		Subordinate to the <rss> element is a single <channel> element, which contains information about the channel (metadata) and its contents.
Sample files		Sample files
Here are sample files for: RSS 0.91, 0.92 and 2.0.		Here are sample files for: RSS 0.91, 0.92 and 2.0.
Note that the sample files may point to documents and services that no longer exist. The 0.91 sample was created when the 0.91 docs were written. Maintaining a trail of samples seems like a good idea.		Note that the sample files may point to documents and services that no longer exist. The 0.91 sample was created when the 0.91 docs were written. Maintaining a trail of samples seems like a good idea.
About this document		About this document
This document represents the		This document represents the

current		
status of RSS,	« 3 words »	status of RSS
incorporating		as of the Fall of 2002, version 2.0.1. It incorporates
all changes and additions starting with the basic spec for RSS 0.91 (June 2000) and	« 16 words »	all changes and additions, starting with the basic spec for RSS 0.91 (June 2000) and
follows		includes new features introduced in
RSS 0.92 (December 2000),	« 5 words »	RSS 0.92 (December 2000)
RSS 2.0 (August 2002), and RSS 2.0.1 (July 2003).		and RSS 0.94 (August 2002).
Change notes are here.	« 43 words »	Change notes are here.

First we document the required and optional sub-elements of <channel>; and then document the sub-elements of <item>. The final sections answer frequently asked questions, and provide a roadmap for future evolution, and guidelines for extending RSS.

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The RSS Profile contains a set of recommendations for how to create RSS documents that work best in the wide and diverse audience of client software that supports the format.

RSS documents can be tested for validity in the RSS Validator.

Required channel elements

Here's a list of the required channel elements, each with a brief description, an example, and where available, a pointer to a more complete description.

Element

Description

Example

title

The name of the channel. It's how people refer to your service. If you have an HTML website that contains the same information as your RSS file, the title of your channel should be the same as the title of your website.

GoUpstate.com News Headlines

link

The URL to the HTML website corresponding to the channel.

<http://www.goupstate.com/>

description

Phrase or sentence describing the channel.

The latest news from GoUpstate.com, a Spartanburg Herald-Journal Web site.

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description

Phrase or sentence describing the channel.

The latest news from GoUpstate.com, a Spartanburg Herald-Journal Web site.

« 400 words »

Optional channel elements

Here's a list of optional channel elements.

Element

Description

Example

language

The language the channel is written in. This allows aggregators to group all Italian language sites, for example, on a single page. A list of allowable values for this element, as provided by Netscape, is here. You may also use values defined by the W3C.

en-us

copyright

Copyright notice for content in the channel.

Copyright 2002, Spartanburg Herald-Journal

managingEditor

Email address for person responsible for editorial content.

geo@herald.com (George Matesky)

webMaster

Email address for person responsible for technical issues relating to channel.

betty@herald.com (Betty Guernsey)

pubDate

The publication date for the content in the channel. For example, the New York Times publishes on a daily basis, the publication date flips once every 24 hours. That's when the pubDate of the channel changes. All date-times in RSS conform to the Date and Time Specification of RFC 822, with the exception that the year may be expressed with two characters or four characters (four preferred).

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Description

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The language the channel is written in. This allows aggregators to group all Italian language sites, for example, on a single page. A list of allowable values for this element, as provided by Netscape, is here. You may also use values defined by the W3C.

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Sat, 07 Sep 2002 00:00:01 GMT

lastBuildDate

The last time the content of the channel changed.

Sat, 07 Sep 2002 09:42:31 GMT

category

Specify one or more categories that the channel belongs to. Follows the same rules as the <item>-level category element. More info.

<category>Newspapers</category>

generator

A string indicating the program used to generate the channel.

MightyInHouse Content System v2.3

docs

A URL that points to the documentation for the format used in the RSS file. It's probably a pointer to this page. It's for people who might stumble across an RSS file on a Web server 25 years from now and wonder what it is.

<https://www.rssboard.org/rss-specification>

cloud

Allows processes to register with a cloud to be notified of updates to the channel, implementing a lightweight publish-subscribe protocol for RSS feeds. More info here.

<cloud domain="rpc.sys.com" port="80" path="/RPC2" registerProcedure="pingMe" protocol="soap"/>

ttl

ttl stands for time to live. It's a number of minutes that indicates how long a channel can be cached before refreshing from the source. More info here.

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« 126 words »

<p><code><ttl>60</ttl></code></p> <p>image</p> <p>Specifies a GIF, JPEG or PNG image that can be displayed with the channel. More info here.</p> <p>rating</p> <p>The PICS rating for the channel.</p> <p>textInput</p> <p>Specifies a text input box that can be displayed with the channel. More info here.</p> <p>skipHours</p> <p>A hint for aggregators telling them which hours they can skip.</p>		<p><code><ttl>60</ttl></code></p> <p>image</p> <p>Specifies a GIF, JPEG or PNG image that can be displayed with the channel. More info here.</p> <p>rating</p> <p>The PICS rating for the channel.</p> <p>textInput</p> <p>Specifies a text input box that can be displayed with the channel. More info here.</p> <p>skipHours</p> <p>A hint for aggregators telling them which hours they can skip.</p>
<p>This element contains up to 24 <code><hour></code> sub-elements whose value is a number between 0 and 23, representing a time in GMT, when aggregators, if they support the feature, may not read the channel on hours listed in the <code><skipHours></code> element. The hour beginning at midnight is hour zero.</p>		<p>More info here.</p>
<p>skipDays</p> <p>A hint for aggregators telling them which days they can skip.</p>	<p>« 12 words »</p>	<p>skipDays</p> <p>A hint for aggregators telling them which days they can skip.</p>
<p>This element contains up to seven <code><day></code> sub-elements whose value is Monday, Tuesday, Wednesday, Thursday, Friday, Saturday or Sunday. Aggregators may not read the channel during days listed in the <code><skipDays></code> element.</p> <p><</p>		<p>More info here.</p> <p><</p>
<p><code>image></code> sub-element of <code><channel></code></p> <p><code><image></code> is an optional sub-element of <code><channel></code>, which contains three required and three optional sub-elements.</p> <p><code><url></code> is the URL of a GIF, JPEG or PNG image that represents the channel.</p> <p><code><title></code> describes the image, it's used in the ALT</p>	<p>« 566 words »</p>	<p><code>image></code> sub-element of <code><channel></code></p> <p><code><image></code> is an optional sub-element of <code><channel></code>, which contains three required and three optional sub-elements.</p> <p><code><url></code> is the URL of a GIF, JPEG or PNG image that represents the channel.</p> <p><code><title></code> describes the image, it's used in the ALT</p>

attribute of the HTML `` tag when the channel is rendered in HTML.

`<link>` is the URL of the site, when the channel is rendered, the image is a link to the site. (Note, in practice the image `<title>` and `<link>` should have the same value as the channel's `<title>` and `<link>`).

Optional elements include `<width>` and `<height>`, numbers, indicating the width and height of the image in pixels. `<description>` contains text that is included in the TITLE attribute of the link formed around the image in the HTML rendering.

Maximum value for width is 144, default value is 88.

Maximum value for height is 400, default value is 31.

`<cloud>` sub-element of `<channel>`

`<cloud>` is an optional sub-element of `<channel>`.

It specifies a web service that supports the `rssCloud` interface which can be implemented in HTTP-POST, XML-RPC or SOAP 1.1.

Its purpose is to allow processes to register with a cloud to be notified of updates to the channel, implementing a lightweight publish-subscribe protocol for RSS feeds.

```
<cloud domain="rpc.sys.com" port="80"
path="/RPC2"
registerProcedure="myCloud.rssPleaseNotify"
protocol="xml-rpc" />
```

In this example, to request notification on the channel it appears in, you would send an XML-RPC message to `rpc.sys.com` on port 80, with a path of `/RPC2`. The procedure to call is `myCloud.rssPleaseNotify`.

A full explanation of this element and the `rssCloud` interface is here.

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that indicates how long a channel can be cached before refreshing from the source. This makes it possible for RSS sources to be managed by a file-sharing network such as Gnutella.

Example:

```
<ttl>60</ttl>
```

<textInput> sub-element of <channel>

A channel may optionally contain a <textInput> sub-element, which contains four required sub-elements.

<title> -- The label of the Submit button in the text input area.

<description> -- Explains the text input area.

<name> -- The name of the text object in the text input area.

<link> -- The URL of the CGI script that processes text input requests.

The purpose of the <textInput> element is something of a mystery. You can use it to specify a search engine box. Or to allow a reader to provide feedback. Most aggregators ignore it.

Elements of <item>

A channel may contain any number of <item>s. An item may represent a "story" -- much like a story in a newspaper or magazine; if so its description is a synopsis of the story, and the link points to the full story. An item may also be complete in itself, if so, the description contains the text (entity-encoded HTML is allowed; see examples), and the link and title may be omitted. All elements of an item are optional, however at least one of title or description must be present.

Element

Description

Example

title

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Element

Description

Example

title

The title of the item.

<p>The title of the item.</p> <p>Venice Film Festival Tries to Quit Sinking</p> <p>link</p> <p>The URL of the item.</p> <p>http://nytimes.com/2004/12/07FEST.html</p> <p>description</p> <p>The item synopsis.</p> <p><</p>		<p>Venice Film Festival Tries to Quit Sinking</p> <p>link</p> <p>The URL of the item.</p> <p>http://nytimes.com/2004/12/07FEST.html</p> <p>description</p> <p>The item synopsis.</p>
description>		
<p>Some of the most heated chatter at the Venice Film Festival this week was about the way that the arrival of the stars at the Palazzo del Cinema was being staged.</p> </p>	« 31 words »	<p>Some of the most heated chatter at the Venice Film Festival this week was about the way that the arrival of the stars at the Palazzo del Cinema was being staged.</p>
description>		
<p>author</p> <p>Email address of the author of the item. More.</p>	« 10 words »	<p>author</p> <p>Email address of the author of the item. More.</p>
		oprah\@oxygen.net
<p>category</p> <p>Includes the item in one or more categories. More.</p> <p>comments</p> <p>URL of a page for comments relating to the item. More.</p>	« 22 words »	<p>category</p> <p>Includes the item in one or more categories. More.</p> <p>comments</p> <p>URL of a page for comments relating to the item. More.</p>
		http://www.myblog.org/cgi-local/mt/mt-comments.cgi?entry_id=290
<p>enclosure</p> <p>Describes a media object that is attached to the item. More.</p> <p>guid</p>	« 21 words »	<p>enclosure</p> <p>Describes a media object that is attached to the item. More.</p> <p>guid</p>

<p>A string that uniquely identifies the item. More.</p>		<p>A string that uniquely identifies the item. More.</p>
		<p>http://inessential.com/2002/09/01.php#a2</p>
<p>pubDate</p> <p>Indicates when the item was published. More.</p>	<p>« 8 words »</p>	<p>pubDate</p> <p>Indicates when the item was published. More.</p>
		<p>Sun, 19 May 2002 15:21:36 GMT</p>
<p>source</p> <p>The RSS channel that the item came from. More.</p> <p><source> sub-element of <item></p> <p><source> is an optional sub-element of <item>.</p> <p>Its value is the name of the RSS channel that the item came from, derived from its <title>. It has one required attribute, url, which links to the XMLization of the source.</p> <pre><source url="http://www.tomalak.org/links2.xml">Tomalak's Realm</source></pre> <p>The purpose of this element is to propagate credit for links, to publicize the sources of news items. It can be used in the Post command of an aggregator. It should be generated automatically when forwarding an item from an aggregator to a weblog authoring tool.</p> <p><enclosure> sub-element of <item></p> <p><enclosure> is an optional sub-element of <item>.</p> <p>It has three required attributes. url says where the enclosure is located, length says how big it is in bytes, and type says what its type is, a standard MIME type.</p> <p>The url must be an http url.</p> <pre><enclosure url="http://www.scripting.com/mp3s/weatherReportSuite.mp3" length="12216320" type="audio/mpeg" /></pre> <p>A use-case narrative for this element is here.</p> <p><category> sub-element of <item></p>	<p>« 745 words »</p>	<p>source</p> <p>The RSS channel that the item came from. More.</p> <p><source> sub-element of <item></p> <p><source> is an optional sub-element of <item>.</p> <p>Its value is the name of the RSS channel that the item came from, derived from its <title>. It has one required attribute, url, which links to the XMLization of the source.</p> <pre><source url="http://www.tomalak.org/links2.xml">Tomalak's Realm</source></pre> <p>The purpose of this element is to propagate credit for links, to publicize the sources of news items. It can be used in the Post command of an aggregator. It should be generated automatically when forwarding an item from an aggregator to a weblog authoring tool.</p> <p><enclosure> sub-element of <item></p> <p><enclosure> is an optional sub-element of <item>.</p> <p>It has three required attributes. url says where the enclosure is located, length says how big it is in bytes, and type says what its type is, a standard MIME type.</p> <p>The url must be an http url.</p> <pre><enclosure url="http://www.scripting.com/mp3s/weatherReportSuite.mp3" length="12216320" type="audio/mpeg" /></pre> <p>A use-case narrative for this element is here.</p>

<category> is an optional sub-element of <item>.

It has one optional attribute, domain, a string that identifies a categorization taxonomy.

The value of the element is a forward-slash-separated string that identifies a hierarchic location in the indicated taxonomy. Processors may establish conventions for the interpretation of categories. Two examples are provided below:

```
<category>Grateful Dead</category>
```

```
<category domain="http://www.fool.com  
/cusips">MSFT</category>
```

You may include as many category elements as you need to, for different domains, and to have an item cross-referenced in different parts of the same domain.

<pubDate> sub-element of <item>

<pubDate> is an optional sub-element of <item>.

Its value is a date, indicating when the item was published. If it's a date in the future, aggregators may choose to not display the item until that date.

```
<pubDate>Sun, 19 May 2002 15:21:36  
GMT</pubDate>
```

<guid> sub-element of <item>

<guid> is an optional sub-element of <item>.

guid stands for globally unique identifier. It's a string that uniquely identifies the item. When present, an aggregator may choose to use this string to determine if an item is new.

```
<guid>http://some.server.com  
/weblogItem3207</guid>
```

There are no rules for the syntax of a guid. Aggregators must view them as a string. It's up to the source of the feed to establish the uniqueness of the string.

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If the guid element has an attribute named `isPermaLink` with a value of `true`, the reader may assume that it is a permalink to the item, that is, a url that can be opened in a Web browser, that points to the full item described by the `<item>` element. An example:

```
<guid isPermaLink="true">http://inessential.com/2002/09/01.php#a2</guid>
```

`isPermaLink` is optional, its default value is `true`. If its value is `false`, the guid may not be assumed to be a url, or a url to anything in particular.

`<comments>` sub-element of `<item>`

`<comments>` is an optional sub-element of `<item>`.

If present, it is the url of the comments page for the item.

```
<comments>http://ekzemplo.com/entry/4403/comments</comments>
```

More about comments here.

`<author>` sub-element of `<item>`

`<author>` is an optional sub-element of `<item>`.

It's the email address of the author of the item. For newspapers and magazines syndicating via RSS, the author is the person who wrote the article that the `<item>` describes. For collaborative weblogs, the author of the item might be different from the managing editor or webmaster. For a weblog authored by a single individual it would make sense to omit the `<author>` element.

```
<author>lawyer@boyer.net (Lawyer Boyer)</author>
```

Comments

RSS places restrictions on the first non-whitespace characters of the data in `<link>` and `<url>` elements. The data in these elements must begin with an IANA-registered URI scheme, such as `http://`, `https://`, `news://`, `mailto:` and `ftp://`. Prior to RSS 2.0, the specification only allowed `http://` and `ftp://`, however, in practice other URI schemes were in use by content

string.

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`isPermaLink` is optional, its default value is `true`. If its value is `false`, the guid may not be assumed to be a url, or a url to anything in particular.

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```
<author>lawyer@boyer.net (Lawyer Boyer)</author>
```

Comments

RSS places restrictions on the first non-whitespace characters of the data in `<link>` and `<url>` elements. The data in these elements must begin with an IANA-registered URI scheme, such as `http://`, `https://`, `news://`, `mailto:` and `ftp://`. Prior to RSS 2.0, the

<p>developers and supported by aggregators. Aggregators may have limits on the URI schemes they support. Content developers should not assume that all aggregators support all schemes.</p> <p>In RSS 0.91, various elements are restricted to 500 or 100 characters. There can be no more than 15 <</p>		<p>specification only allowed http:// and ftp://, however, in practice other URI schemes were in use by content developers and supported by aggregators. Aggregators may have limits on the URI schemes they support. Content developers should not assume that all aggregators support all schemes.</p> <p>In RSS 0.91, various elements are restricted to 500 or 100 characters. There can be no more than 15 <</p>
<p>items></p>		<p>item>s</p>
<p>in a 0.91 <channel>. There are no string-length or XML-level limits in RSS 0.92 and greater. Processors may impose their own limits, and generators may have preferences that say no more than a certain number of <item>s can appear in a channel, or that strings are limited in length.</p> <p>In RSS 2.0, a provision is made for linking a channel to its identifier in a cataloging system, using the channel-level category feature, described above. For example, to link a channel to its Syndic8 identifier, include a category element as a sub-element of <channel>, with domain "Syndic8", and value the identifier for your channel in the Syndic8 database. The appropriate category element for Scripting News would be <category domain="Syndic8">1765</category>.</p> <p>A frequently asked question about <guid>s is how do they compare to <link>s. Aren't they the same thing? Yes, in some content systems, and no in others. In some systems, <link> is a permalink to a weblog item. However, in other systems, each <item> is a synopsis of a longer article, <link> points to the article, and <guid> is the permalink to the weblog entry. In all cases, it's recommended that you provide the guid, and if possible make it a permalink. This enables aggregators to not repeat items, even if there have been editing changes.</p> <p>If you have questions about the RSS 2.0 format, please post them on the</p>	<p>« 242 words »</p>	<p>in a 0.91 <channel>. There are no string-length or XML-level limits in RSS 0.92 and greater. Processors may impose their own limits, and generators may have preferences that say no more than a certain number of <item>s can appear in a channel, or that strings are limited in length.</p> <p>In RSS 2.0, a provision is made for linking a channel to its identifier in a cataloging system, using the channel-level category feature, described above. For example, to link a channel to its Syndic8 identifier, include a category element as a sub-element of <channel>, with domain "Syndic8", and value the identifier for your channel in the Syndic8 database. The appropriate category element for Scripting News would be <category domain="Syndic8">1765</category>.</p> <p>A frequently asked question about <guid>s is how do they compare to <link>s. Aren't they the same thing? Yes, in some content systems, and no in others. In some systems, <link> is a permalink to a weblog item. However, in other systems, each <item> is a synopsis of a longer article, <link> points to the article, and <guid> is the permalink to the weblog entry. In all cases, it's recommended that you provide the guid, and if possible make it a permalink. This enables aggregators to not repeat items, even if there have been editing changes.</p> <p>If you have questions about the RSS 2.0 format, please post them on the</p>
<p>RSS-Public mailing list. The list, maintained by the RSS Advisory Board,</p>		<p>RSS2-Support mail list, hosted by Sjoerd Visscher. This is not a debating list, but</p>
<p>serves as a support resource for users, authors and developers who are creating and using content in</p>	<p>« 17 words »</p>	<p>serves as a support resource for users, authors and developers who are creating and using content in</p>

the		RSS 2.0
format.		format.
Extending RSS		Extending RSS
RSS originated in 1999, and has strived to be a simple, easy to understand format, with relatively modest goals. After it became a popular format, developers wanted to extend it using modules defined in namespaces, as specified by the W3C.	« 59 words »	RSS originated in 1999, and has strived to be a simple, easy to understand format, with relatively modest goals. After it became a popular format, developers wanted to extend it using modules defined in namespaces, as specified by the W3C.
RSS 2.0 adds that capability, following a simple rule. A RSS feed may contain elements		RSS 2.0 adds that capability, following a simple rule. A RSS feed may contain elements
and attributes		
not described on this page, only if those elements	« 9 words »	not described on this page, only if those elements
and attributes		
are defined in a namespace.		are defined in a namespace.
The elements defined in this document are not themselves members of a namespace, so that RSS 2.0 can remain compatible with previous versions in the following sense -- a version 0.91 or 0.92 file is also a valid 2.0 file. If the elements of RSS 2.0 were in a namespace, this constraint would break, a version 0.9x file would not be a valid 2.0 file.		The elements defined in this document are not themselves members of a namespace, so that RSS 2.0 can remain compatible with previous versions in the following sense -- a version 0.91 or 0.92 file is also a valid 2.0 file. If the elements of RSS 2.0 were in a namespace, this constraint would break, a version 0.9x file would not be a valid 2.0 file.
Roadmap		Roadmap
RSS is by no means a perfect format, but it is very popular and widely supported. Having a settled spec is something RSS has needed for a long time. The purpose of this work is to help it become a unchanging thing, to foster growth in the market that is developing around it, and to clear the path for innovation in new syndication formats. Therefore, the RSS spec is, for all practical purposes, frozen at version 2.0.1. We anticipate possible 2.0.2 or 2.0.3 versions, etc. only for the purpose of clarifying the specification, not for adding new features to the format. Subsequent work should happen in modules, using namespaces, and in completely new syndication formats, with new names.	« 204 words »	RSS is by no means a perfect format, but it is very popular and widely supported. Having a settled spec is something RSS has needed for a long time. The purpose of this work is to help it become a unchanging thing, to foster growth in the market that is developing around it, and to clear the path for innovation in new syndication formats. Therefore, the RSS spec is, for all practical purposes, frozen at version 2.0.1. We anticipate possible 2.0.2 or 2.0.3 versions, etc. only for the purpose of clarifying the specification, not for adding new features to the format. Subsequent work should happen in modules, using namespaces, and in completely new syndication formats, with new names.
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[2.0.1](#)

[2.0](#)

[0.92](#)

[0.91 \(UserLand\)](#)

[0.91 \(Netscape\)](#)

[0.90](#)

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RSS Encoding Examples

Articles

Board Members

Rogers Cadenhead

Sterling "Chip" Camden

Simone Carletti

James Holderness

Jenny Levine

Eric Lunt

Randy Charles Morin

Ryan Parman

Jake Savin

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