RSS 1.0 Modules: Taxonomy

Abstract

The taxonomy module is a RSS 1.0 module and a RDF application enabling the identification of topics covered by a RSS channel or item.

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Version

Latest Version: DRAFT 1.2 2001-02-20 -updates to make the document valid RDDL and move taxo:title and taxo:description to DC elements.
DRAFT 1.2 2001-02-12 -updates following a first set of comments on rss-dev.
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Status

Proposed
Comments should be directed to the

[RSS-DEV mailing list](),

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Description

Affords the ability to classify channels and items under one or more
taxonomic schemes.

Namespace Declaration

- **xmlns:taxo="http://purl.org/rss/1.0/modules/taxonomy/"**

Model

First level element:

- **<taxo:topic>** (taxo:link,taxo:topics, [*]), attribute: rdf:about.
  This element is optionally used to define a topic.
  [*] The meaning of a taxo:topic element is very similar to the meaning of
  a rss:channel element and all the elements (except for items, textinput
  and image) that are allowed in a rss:channel element can be used in
  taxo:topic unless stated otherwise.
  The list of elements has been kept minimum and our recommendation is
  to use the Dublin Core module to provide a finer description of a topic.

Second level element (may be included in channel, item or taxo:topic):

- **<taxo:topics>** (rdf:Bag)
  This element gives (using an rdf:Bag/rdf:li structure) a list of topics.
  These topics may or may not be defined within the scope of the current
  channel. The location of documents describing the topics may optionally
  be given using a generic include module to be defined.

Examples

```
<?xml version="1.0"?>

<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-
ns#"
  xmlns:taxo="http://purl.org/rss/1.0/modules/taxonomy/"
  xmlns="http://purl.org/rss/1.0/"
>

  <channel
rdf:about="http://meerkat.oreillynet.com/?_fl=rss1.0">
    <title>Meerkat</title>
    <link>http://meerkat.oreillynet.com</link>
    <description>Meerkat: An Open Wire
Service</description>
        ...
  </channel>

  <item
rdf:about="http://c.moreover.com/click/here.pl?r123"
position="1">
    <title>XML: A Disruptive Technology</title>

<link>http://c.moreover.com/click/here.pl?r123</link>
    <description>
      XML is placing increasingly heavy loads on the
existing technical
      infrastructure of the Internet.
    </description>
    <taxo:topics>
      <rdf:Bag>
        <rdf:li
resource="http://meerkat.oreillynet.com/?c=cat23">
        <rdf:li
resource="http://meerkat.oreillynet.com/?c=47">
        <rdf:li
resource="http://dmoz.org/Computers/Data_Formats/Markup_
Languages/XML/">
      </rdf:Bag>
    </taxo:topics>
  </item>

  <taxo:topic
rdf:about="http://meerkat.oreillynet.com/?c=cat23">
```

```
<taxo:link>http://meerkat.oreillynet.com/?c=cat23</taxo:
link>
  </taxo:topic>

  <taxo:topic
rdf:about="http://dmoz.org/Computers/Data_Formats/Markup
_Languages/XML/">

<taxo:link>http://dmoz.org/Computers/Data_Formats/Markup
_Languages/XML/</taxo:link>
    <taxo:topics>
      <rdf:Bag>
        <rdf:li
resource="http://meerkat.oreillynet.com/?c=cat23">
        <rdf:li
resource="http://dmoz.org/Computers/Data_Formats/Markup_
Languages/SGML/">
        <rdf:li
resource="http://dmoz.org/Computers/Programming/Internet
/">
      </rdf:Bag>
    </taxo:topics>
  </taxo:topics>
</rdf:RDF>
```

Example using the Dublin Core module:

```
<?xml version="1.0"?>

<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-
ns#"
  xmlns:taxo="http://purl.org/rss/1.0/modules/taxonomy/"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns="http://purl.org/rss/1.0/"
>

  <channel
rdf:about="http://meerkat.oreillynet.com/?_fl=rss1.0">
    <title>Meerkat</title>
    <link>http://meerkat.oreillynet.com</link>
    <description>Meerkat: An Open Wire
Service</description>
        ...
  </channel>
```

```xml
  <item
rdf:about="http://c.moreover.com/click/here.pl?r123"
position="1">

    <title>XML: A Disruptive Technology</title>

<link>http://c.moreover.com/click/here.pl?r123</link>
    <description>
      XML is placing increasingly heavy loads on the
existing technical
      infrastructure of the Internet.
    </description>
    <taxo:topics>
      <rdf:Bag>
        <rdf:li
resource="http://meerkat.oreillynet.com/?c=cat23">
        <rdf:li
resource="http://meerkat.oreillynet.com/?c=47">
        <rdf:li
resource="http://dmoz.org/Computers/Data_Formats/Markup_
Languages/XML/">
      </rdf:Bag>
    </taxo:topics>
  </item>

  <taxo:topic
rdf:about="http://meerkat.oreillynet.com/?c=cat23">

<taxo:link>http://meerkat.oreillynet.com/?c=cat23</taxo:
link>
    <dc:title>Data: XML</taxo:title>
    <dc:description>A Meerkat channel</dc:description>
  </taxo:topic>

  <taxo:topic
rdf:about="http://dmoz.org/Computers/Data_Formats/Markup
_Languages/XML/">

<taxo:link>http://dmoz.org/Computers/Data_Formats/Markup
_Languages/XML/</taxo:link>
    <dc:title>XML</taxo:title>
    <dc:subject>XML</dc:subject>
    <dc:description>DMOZ category</dc:description>
    <taxo:topics>
      <rdf:Bag>
        <rdf:li
resource="http://meerkat.oreillynet.com/?c=cat23">
```

```
        <rdf:li
resource="http://dmoz.org/Computers/Data_Formats/Markup_
Languages/SGML/">
         <rdf:li
resource="http://dmoz.org/Computers/Programming/Internet
/">
```

```
      </rdf:Bag>
    </taxo:topics>
  </taxo:topics>


</rdf:RDF>
```