

RDF Site Summary 1.0 Modules: Streaming

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Version

Latest Version: <http://hacks.benhammersley.com/rss/streaming/>

1.2 2002-03-14 - Addition of codec.Resolution, codec.sampleRate and codec.Stereo elements

1.0.1 2002-03-07 - Clarification of points, following discussion on rss-dev

1.0 2002-03-05

Status

Proposed

- Comments should be directed to the

[RSS-DEV mailing list](#),

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Description

This module addresses the additional needs of streaming-media providers. It is seen as an addition to existing standard and proposed modules, especially Dublin Core.

The main features involve the associated application for the media stream, the codec the stream is encoded with and additional tags for the segmentation of live/continual broadcasts.

It is predominantly technical/practical information: I envisage information such as music style, video content, contributors and rights-management to be dealt with

Namespace Declarations

- `xmlns:str="http://hacks.benhammersley.com/rss/streaming/"`

Model

<channel> and <item> Elements:

- **<str: type>** ('audio'|'video'|'both') - can be used to describe either each item, or the whole channel. 'video' implies a video with a soundtrack. 'both' implies a mixture of both video and audio items, and hence is for use only within a channel description.
- **<str: associatedApplication>** (#PCDATA)
- **<str: associatedApplication.version>** (#PCDATA)
- **<str: associatedApplication.downloadUri>** (#PCDATA)
- **<str: codec>** (#PCDATA)
- **<str: codec.name>** (#PCDATA)
- **<str: codec.version>** (#PCDATA)
- **<str: codec.url>** (#PCDATA)- a page describing the codec
- **<str: codec.downloadUri>** (#PCDATA) - the uri from which to get the codec. This could include anonymous Freenet-style hosting
- **<str: codec.sampleRate>** (#PCDATA) - value in kHz of any audio's sample rate.
- **<str: codec.stereo>** ('stereo'|'mono')
- **<str: codec.ResolutionX>** (#PCDATA) - value in pixels of width in the X axis
- **<str: codec.ResolutionY>** (#PCDATA) - value in pixels of width in the Y axis
- **<str: duration>** (#PCDATA) - HH:MM:SS
- **<str: live>** ('live'|'recorded')
- **<str: live.scheduledStartTime>** (#PCDATA)- W3CDTF for live broadcasts, hh:mm:ss for places in a timecode for recordings
- **<str: live.scheduledEndTime>** (#PCDATA)- W3CDTF / hh:mm:ss as above.
- **<str: live.location>** (#PCDATA) - either a literal string, as per the Dublin Core location guidelines, or this can be continue rdf-wise to use additional location-specific namespaces
- **<str: live.contactUri>** (#PCDATA)- e.g. mailto: http: aim: irc: Think radio phone-in show.

Example

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<rdf:RDF
```

```
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:str="http://hacks.benhammersley.com/rss/streaming/"
```

```
xmlns="http://purl.org/rss/1.0/"
>

<channel rdf:about="http://www.streamsRus.com/">
  <title>Streams R Us</title>
  <link>http://www.streamsRus.com</link>
  <description>Streams R Us: An Entirely Fictional Site</description>
  <str:type>both</str:type>

  <image rdf:resource="http://www.streamsRus.com/icons/stream.jpg" />

  <items>
    <rdf:Seq>
      <rdf:li rdf:resource="http://www.streamsRus.com/example.ram" />
      <rdf:li rdf:resource="http://www.streamsRus.com/example2.mp3" />
      <rdf:li rdf:resource="http://www.streamsRus.com/example3.mov" />
    </rdf:Seq>
  </items>

  <textinput rdf:resource="http://meerkat.oreillynet.com" />

</channel>

<item rdf:about="http://www.streamsRus.com/example.ram">
  <title>RSS Rocks Out</title>
  <link>http://www.streamsRus.com/example.ram</link>
  <str:associatedApplication>realplayer</str:associatedApplication>
  <str:associatedApplication.downloadUri>http://www.real.com/</str:associatedApplication.downloadUri>
  <str:duration>00:04:30</str:duration>
  <str:live>recorded</str:live>
</item>

<item rdf:about="http://www.streamsRus.com/example2.ram">
  <title>RSS Rocks Out Live</title>
  <link>http://www.streamsRus.com/example2.mp3</link>
  <str:associatedApplication>winamp</str:associatedApplication>
  <str:associatedApplication.downloadUri>http://www.winamp.com/</str:associatedApplication.downloadUri>
  <str:duration>00:04:30</str:duration>
  <str:live>live</str:live>
  <str:live.scheduledStartTime>2002:04:03T00:00:00Z</str:scheduledStartTime>
  <str:live.scheduledEndTime>2002:04:03T00:04:30Z</str:scheduledEndTime>
</item>
```

```
<item rdf:about="http://www.streamsRus.com/example3.mov">
  <title>RSS Rocks Out Live on Video</title>
  <link>http://www.streamsRus.com/example2.mov</link>
  <str:type>video</str:type>
  <str:codec>sorenson</str:codec>
  <str:associatedApplication>Quicktime</str:associatedApplication>

<str:associatedApplication.downloadUri>http://www.apple.com/quicktime</str:associatedApplication.downloadUri>
  <str:duration>00:02:32</str:duration>
  <str:live>live</str:live>
  <str:live.scheduledStartTime>2002:04:03T00:00:00Z</str:scheduledStartTime>
  <str:live.scheduledEndTime>2002:04:03T00:02:32Z</str:scheduledEndTime>
  <str:codec.ResolutionX>600</str:codec.ResolutionX>
  <str:codec.ResolutionY>400</str:codec.ResolutionY>
  <str:live.ContactUri>mailto:ben@benhammersley.com</str:live.contact.Uri>
</item>

</rdf:RDF>
```