

RSS/Podcast extension specification for Radioplayer

This document explains about RSS schema extension which will enable Radioplayer Search Ingest to directly ingest podcast files to the search index.

New element (optional)

Element	Parent Element	Description
<player>	<item>	This element in rss is mapped to <radioplayer:player> element in OD format.

Extra Validations

1. Either <title> or <description> should be present in each <item> element.
2. Following is the other mandatory elements in <item>
 - pubDate
3. Element <pubDate> should be in RFC-822 format (java pattern: "EEE, dd MMM yyyy HH:mm:ss Z")

Optional Processing

If the <player> element is present it will be used by the search system. When a user searches for a term that matches content in your podcast item then the player URL you provide will be returned to the user in the href for the search result.

If you do not provide a player element then we will calculate the href value according to data you have provided through the Radioplayer Self Service Portal (SSP) and the enclosure URL for the podcast item. For example, in the SSP you may provide us with a base on-demand URL thus:

<http://www.myradiostation.com/ondemandplayer>

In your podcast item you may provide us with an enclosure URL this:

<http://www.mycdn.com/ondemand/20120101-a.mp3>

In this case we will assemble a URL this:

<http://www.myradiostation.com/ondemandplayer?rpAodUrl=http://www.mycdn.com/ondemand/20120101-a.mp3>

You will be required to host a version of the Radioplayer console that is able to interpret the above URL and correctly stream the audio content.

The Radioplayer Reference Console V2 will have built-in support for the above approach to

playing on-demand audio, assuming that the audio will be mp3-over-http delivered.

Element descriptions

Element	Parent Element	Corresponding OD XML tag	Description	Example
<title>	<item>	<shortName> and <mediumName>	if this element is present, then its value will be mapped to <shortName> and <mediumName> values after trimming it to the required length.	Venice Film Festival Tries to Quit Sinking
<description>	<item>	<mediumName> and <longName>	if this element is present, then its value will be mapped to <mediumName> and <longName> values after trimming it to the required length.	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.
<pubDate>	<item>	<epg:ondemand><radioplayer:availability> <radioplayer:scope startTime>	This element value will be taken as the start time of the on demand programme and the stop time will be calculated as per each station's configured parameter in Station List Manager.	Sun, 19 May 2002 15:21:36 GMT
<player>	<item>	<radioplayer:player>	This element will be used as the radio player console URL for the program.	http://samplerradio.com/player/od

A sample podcast is given below.

```
<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet title="XSL_formatting" type="text/xsl" href="/core/podcasts/rss.xsl"?>
<rss xmlns:atom="http://www.w3.org/2005/Atom">
<channel>
<title>The Dummy Channel Title</title>
<link>http://www.dummychannel.co.uk/artists/dummychannel/</link>
<description>The dummy channel description</description>
<language>en</language>
<pubDate>Wed, 26 Oct 2011 16:28:41 +0100</pubDate>
<item>
<description>The Red Guitar, We Will Rock You, 40 years of Queen and more</description>
<pubDate>Thu 6 Oct 2011 10:50:16 +0100</pubDate>
<link>http://www.dummyLink.co.uk/podcasts/dummyprogramme/2011-10-06/</link>
<enclosure url="http://podcast.net/dummy/20111006105016.mp3" length="0" type="audio/mpeg" />
<player>http://www.dummyLink.co.uk</player>
</item>
</channel>
</rss>
```