

Connected Systems

RSS Manager for SharePoint 2010 (Foundation and Server)

User Guide

Version number:	1.0
Release date:	Monday, 28 March 2011
Pages	8

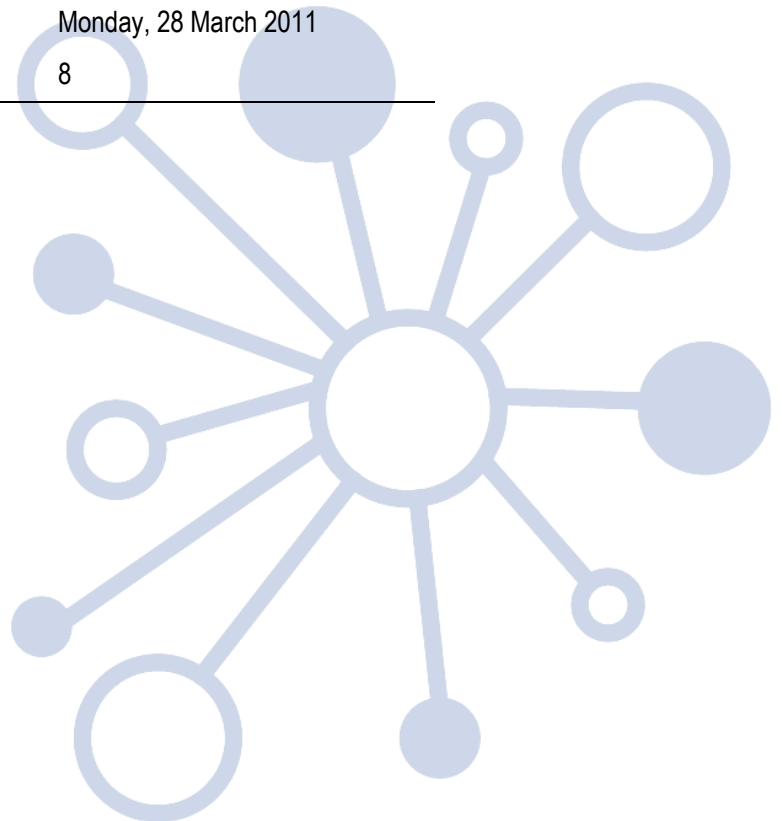


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1 Overview

Ever had poor performance and overall increased traffic through the use of too many RSS feeds?

Calls to external RSS feeds can be slow and if the feed is down it may generate a support call.

The Connected Systems RSS Manager allows for the central storage of multiple RSS feeds within SharePoint. In SharePoint external RSS feeds can be imported into web parts to display a consolidated view from multiple sources of data in the one location.

The Connected Systems RSS Manager solves this problem and provides a way of centrally managing all RSS feeds, scheduling their refresh frequency and exposing these feeds locally to reduce external network traffic.

The solution consists of multiple parts:

- An RSS Manager Configuration page in Central Administration where the RSS Manager can be activated on multiple site collections within a single Web Application.
- A Site Collection specific Feed Manager configuration page where the site collection feeds can be added modified and removed.
- A SharePoint timer job which iterates all site collections where the RSS Manager has been activated and download the RSS feed data at regular intervals to store in SharePoint.
- A SharePoint web service for subscribing to the RSS feed.

1.1 Consuming the RSS Feed

A SharePoint web service is use to serve the RSS feed content contained within the SharePoint site.

Enter the service path and feed name directly into the browser to view the raw RSS feed. Substitute the sitecollectionurl with the hosting site collection, and the feedname with that which is displayed on the Feed Manager page.

```
http://<sitecollectionurl>/_vti_bin/CS.SharePoint.RSSManager.FeedProvider/FeedProvider.svc/DownloadFile?feedname=<feedname1>
```

For example here is the path to the ABC Children's Television Guide RSS feed.

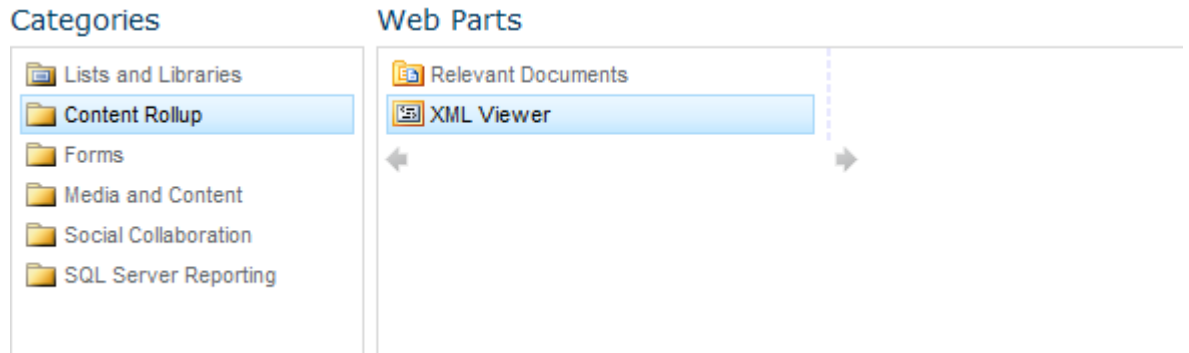
```
http://mysitecollection/_vti_bin/CS.SharePoint.RSSManager.FeedProvider/FeedProvider.svc/DownloadFile?feedname=ABC Children's Television Guide
```

The RSS feed can be consumed via this URL in the same manner as any RSS feed, e.g. via the Outlook Email client, in the web browser etc.

1.1.1 Consume RSS feed via the XML viewer web part

Note: The XML Viewer web part can only consume the RSS feed provider service if the SharePoint site is enabled for anonymous access. If anonymous access is not enabled then the xml viewer must point to the external RSS feed URL. Alternatively to consume the RSS feed provider service you can use the Connected Systems Rollup Web part to view the feed.

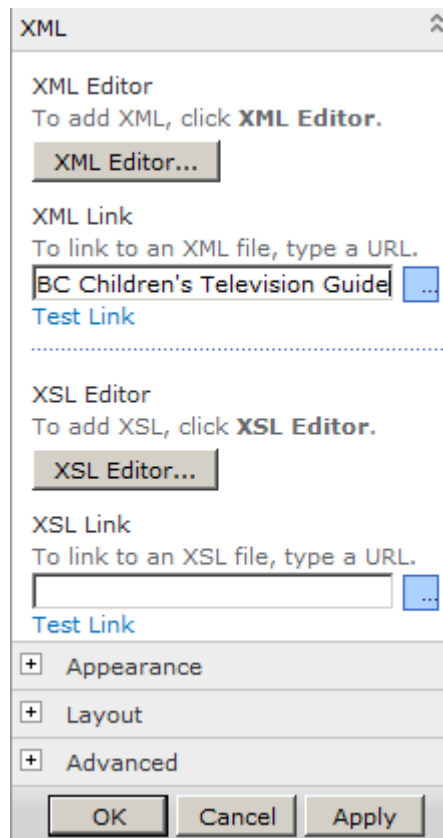
Add the XML Viewer Web Part to the SharePoint page



Select Open the tool pane and in the Xml Link field enter the service URL with the feed name as shown in the example.

URL

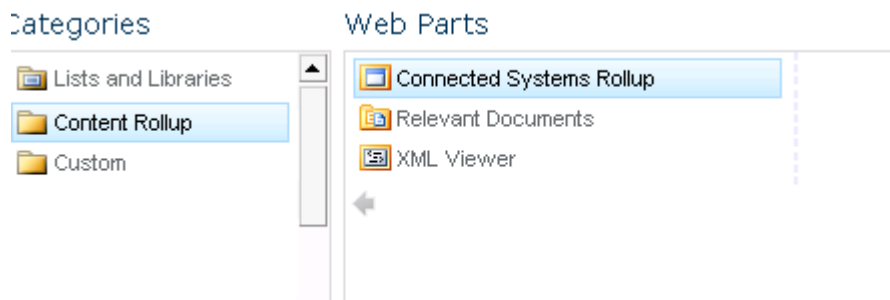
`http://mysitecollection/_vti_bin/CS.SharePoint.RSSManager.FeedProvider/FeedProvider.svc/DownloadFile?feedname=ABC Children's Television Guide`



Click OK. The feed XML will now be rendered in the webpart.

1.1.2 Consuming RSS Feed via the Connected Systems Rollup Webpart

Add the Connected Systems Content Rollup to the page



Change the Rollup content source to XML over HTTP and add the service URL into the Web address, and the proxy server name



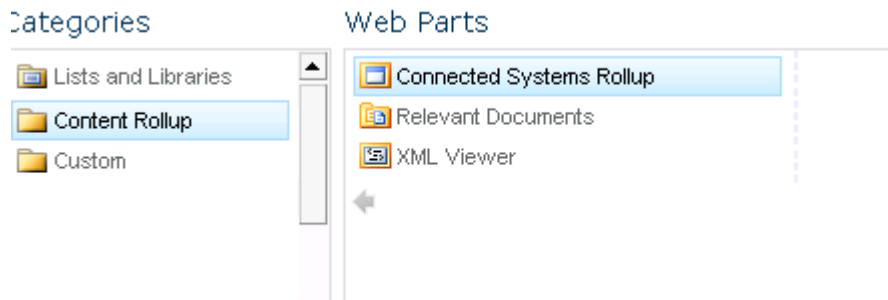
The image shows the configuration dialog for the 'Connected Systems Roll-Up' web part. The 'Rollup content source' dropdown is set to 'XML over HTTP'. The 'Web address' field contains 'http://intranet/.....'. The 'Proxy server' field contains 'proxy'. The 'Proxy account' and 'Proxy password' fields are empty.

Click OK to save.

If required select the XSLT file to transform the raw xml.

1.1.3 Configuring the Weather webpart

Add the Connected Systems Content Rollup to the page



Change the Rollup content source to XML over HTTP.

The weather webpart sources its current weather from weather.yahoo.com. Each individual weather feed will need to be added to the feed manager so that they can be aggregated.

Add in the Web Address of the aggregated feed supplied by the web service. (see Aggregate Multiple RSS feeds section of this document).

Example: `http://win-2uh2nc3pk2j/sites/sc1/_vti_bin/cs.sharepoint.rssmanager.feedprovider/feedprovider.svc/downloadfile?feedname=Yahoo! Weather - Mount Lawley Perth Metro_ AS&feedname=Yahoo! Weather - Sydney_ AS&feedname=Yahoo! Weather - Brisbane_ AS&feedname=Yahoo! Weather - Melbourne_ AS&feedname=Yahoo! Weather - Auckland_ NZ&feedname=Yahoo! Weather - Adelaide_ AS`

Enter the proxy server name.

Click the XSL string button and locate the xslt file yahooweather.xslt stored in the Style Library/XSLT folder.

Click OK.

The weather should now be displayed.



1.1.4 Return a single RSS feed

To return a single RSS feed enter the URL in the format below replacing the sitecollectionurl and feedname:

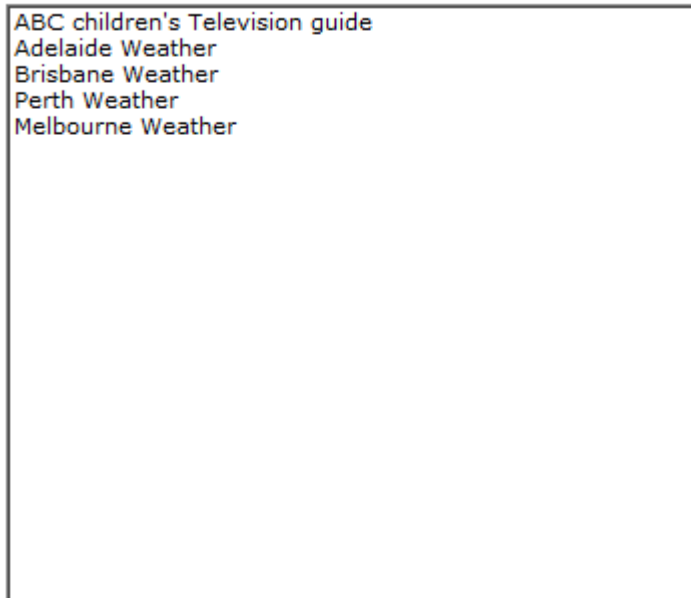
`http://<sitecollectionurl>/_vti_bin/CS.SharePoint.RSSManager.FeedProvider/FeedProvider.svc/DownloadFile?feedname=<feedname1>`

1.1.5 Aggregate multiple RSS feeds

The RSS Manager provides the ability to aggregate multiple feeds. For example if you wish to display weather forecasts for multiple cities which are sourced from separate RSS feeds then this can be easily achieved using the RSS Manager.

Open the Feed Manager page and add each individual weather feed.

Select RSS Feed to configure or add a [New Feed](#)



Once the feeds are added they can be aggregated by calling the SharePoint service and passing in all the feeds to aggregate in the format shown below.

`http://<sitecollectionurl>/_vti_bin/CS.SharePoint.RSSManager.FeedProvider/FeedProvider.svc/DownloadFile?feedname=<feedname1>& feedname=<feedname2>& feedname=<feedname3>`


For example here is the path to aggregate the Perth feed, Melbourne Feed, and Brisbane Feed.

`http://mysitecollection/_vti_bin/CS.SharePoint.RSSManager.FeedProvider/FeedProvider.svc/DownloadFile?feedname=Perth Weather&feedname=Melbourne Weather&feedname=Brisbane Weather`

The result of the aggregated feed is similar to the following output

Aggregated feed - Perth Weather Melbourne Weather Brisbane Weather

You are viewing a feed that contains frequently updated content. When you subscribe to a feed, it is added to the Common Feed List. Updated information from the feed is automatically downloaded to your computer and can be viewed in Internet Explorer and other programs. [Learn more about feeds.](#)

 [Subscribe to this feed](#)

Current weather for Perth at 2:00pm WST



Temperature: 31.1°C ▼

Feels like: 31.7°C

Dew point: 17.3°C ▲

Relative humidity: 44%

Wind: SW at 17 km/h, gusting to 24 km/h ▲

Rain: 0.0mm since 9am

Pressure: 1009.0 hPa ▼

Perth weather forecast



Thursday



Possible thunderstorm