Feed2JS

Using RSS Feeds in your web pages is just a cut 'n paste away!

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Get the Code To Run on Your Own Server

This information is for web site owners that would like to incorporate our Feed2JS technology on their own site-perhaps to customize it, or just to speed up the access if they feel like a local copy is better. Below you can download the necessary script files.

We provide this script as open-source under a GNU General Public License.

To run these scripts, you need a web server capable of running PHP which is rather widely available (and free). You will need to FTP files to your server, perhaps change permissions, and make some basic edits to configure it for your system. **I give you the code, getting it to work is on your shoulders.** I will try to help, but cannot always promise answers.

We give you this code we developed for free. If you make some use of it, please pay back by sharing a URL that uses this code.

Installation

1. **Download Feed2JS**... available as a 44k ZIP archive. The files provided include:
   a. **feed2js.php** - the main workhorse script; see below for configuration details.
   b. **feed2js_config.php** - local configuration, set the file paths for Magpie, etc. Accessing this as a separate include will make future updates less tedious (a simple replacement of the feed2js.php file)
   c. **nosource.php** - a simple error file if the script is not provided an URL for the RSS feed.
   d. **build.php** - a version of our build page which will allow your web site users to easily generate their proper JavaScript that works from your installation of Feed2JS.
   e. **style.php** - a version of our style tool which will allow your web site users to select and modify CSS styles for their feeds.
   f. **style_preview.php** - generates the styled previews
   g. **styles** - sample style sheets used for the preview feature of the build script.
   h. **magpie** - a working version of version 0.71 of Magpie RSS.
2. You should next download and install the Magpie RSS if you need a newer version. Place the magpie files inside the directory that contains for feed2js.php scripts:

```
(main server directory)

/feed
  feed2js.php
   ... (the other associated files, see below)
      /magpie
        /extlib
          Snoopy.class.inc
```

```
rss_cache.inc
rss_fetch.inc
rss_parse.inc
rss_utils.inc
/cache
/cache-utf8
```

The "extlib" directory contains the magpie required "Snoopy.class.inc".

3. Create 2 directories named `cache` and `cache_utf8` to store the cache files created and used by Magpie inside the magpie directory, one for sites that require UTF-8 encoding. **Make sure you change the permissions on this directory to 0777**. About 90% of the set up problems are due to not creating this directory or having its permission set to be writable.

4. Edit **rss_fetch.inc** to define the file paths in the first section, including default values for DIR_SEP and MAGPIE_DIR. The default set up assumes that the magpie directory is stored in the same directory as your feed2js.php file.

The sections to edit in rss_fetch.inc should look like:

```
// Setup MAGPIE_DIR for use on hosts that don't include
// the current path in include_path.
// with thanks to rajiv and smarty
if (!defined('DIR_SEP')) {
        define('DIR_SEP', '/');
}

if (!defined('MAGPIE_DIR')) {
    define('MAGPIE_DIR', '/var/www/html/feed/magpie' . DIR_SEP);
}

require_once( MAGPIE_DIR . 'rss_parse.inc' );
require_once( MAGPIE_DIR . 'rss_cache.inc' );

// for including 3rd party libraries
define('MAGPIE_EXTLIB', MAGPIE_DIR . 'extlib' . DIR_SEP);
require_once( MAGPIE_EXTLIB . 'Snoopy.class.inc');
```

That should be all the configuration you will need.

5. Before going further, you may want to run the magpie test file, **magpie_debug.php**. If you load this file in the `/feed` directory created in step 2, you can edit this for your environment:

```
// define path to Magpie files
// and load library
define('MAGPIE_DIR', '/var/www/html/feed/magpie/');
require_once(MAGPIE_DIR.'rss_fetch.inc');

define('MAGPIE_CACHE_DIR', MAGPIE_DIR .'cache/');

define('MAGPIE_DEBUG', 2);
// flush cache quickly for debugging purposes, don't do this on a live site
define('MAGPIE_CACHE_AGE', 2);

// insert a RSS feed to play with
$url = "http://jade.mcli.dist.maricopa.edu/alan/index.xml";
```

Loading this in a web browser, e.g. `http://www.mydomain.org/feed/magpie_debug.php` will test your magpie installation

6. If Magpie works good, you are ready to configure the **feed2js_config.php** file. Look for the section labeled "INCLUDES" where you must define the correct paths for the Magpie files, the cache directory, and the time setting for having cache files expire, in seconds. the default is 60*60 or one hour. The default settings will automatically build the correct file paths if you store the magpie files inside the same directory as feed2js.php.

```
// MAGPIE SETUP -----------------------------------------------------
// Define path to Magpie files and load library
// The easiest setup is to put the 4 Magpie include
// files in the same directory:
// define('MAGPIE_DIR', './')

// Otherwise, provide a full valid file path to the directory
// where magpie sites
define('MAGPIE_DIR', $_SERVER['DOCUMENT_ROOT'] . dirname($_SERVER['PHP_SELF']) . '/magpie/');

// access magpie libraries
require_once(MAGPIE_DIR.'rss_fetch.inc');
require_once(MAGPIE_DIR.'rss_utils.inc');

// value of 2 optionally show lots of debugging info, 0 for production
define('MAGPIE_DEBUG', 0);

// Define cache age in seconds.
define('MAGPIE_CACHE_AGE', 60*60);
```

7. Run a known RSS Feed through your installed version of the **build.php** page and then test the **style** editor page.
8. If you are unable to see a feed previewed from the build page, there is likely a syntax error in feed2js.php- there is now a link below where the preview should appear that allows you to call the script. If there are PHP errors, this test link will display them.

That is all!

The Simplest Installed Directory Structure

Use this outline as a map of the simplest installation, putting all files and Magpie in the same directory. You can create your own intro page (`index.php, index.html`) and link to the build and style pages accordingly.

```
/feed (directory)
  build.php        (feed building tool)
  feed2js.php
  feed2js_config.php
  footer           (include file for build.php, style.php
   /magpie (directory)
     /cache   (cache directory)
     /cache_utf8  (cache directory for utf-8 feeds)
     /ext_lib  (directory)
       Snoopy.class.inc
     rss_cache.inc
     rss_fetch.inc
     rss_parse.inc
     rss_utils.inc
  nosource.php    (error page if no RSS provided)
  style.php       (output style tool)
  style_preview.php (style preview and editor)
  /style (directory) (collection of CSS styles)
```

version.

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Feed2JS is fueled by Magpie RSS

Latest Feed2JS Updates available as RSS 2.0 feed.