

EXT: Feed/XML Connector Service

Extension Key: svconnector_feed

Language: en

Keywords: forDevelopers, forIntermediates

Copyright 2010-2011, François Suter, <typo3@cobweb.ch>

This document is published under the Open Content License
available from <http://www.opencontent.org/opl.shtml>

The content of this document is related to TYPO3
- a GNU/GPL CMS/Framework available from www.typo3.org

Table of Contents

EXT: Feed/XML Connector Service.....	1	Installation.....	4
Introduction.....	3	Configuration.....	5
Questions and support.....	3	Developer's manual.....	6
Keeping the developer happy.....	3	To-Do list.....	7

Introduction

This extension implements a specific connector service for reading XML files, be they local or remote. In particular it can be used to easily get the contents of a RSS feed.

Questions and support

If you have any questions about this extension, please ask them in the TYPO3 English mailing list, so that others can benefit from the answers. Please use the bug tracker on forge.typo3.org to report problem or suggest features (http://forge.typo3.org/projects/extension-svconnector_csv/issues).

Keeping the developer happy

If you like this extension, do not hesitate to rate it. Go the Extension Repository, search for this extension, click on its title to go to the details view, then click on the "Ratings" tab and vote (note: you must be logged in to vote). Every new vote keeps the developer ticking. So just do it!

You may also take a step back and reflect about the beauty of sharing. Think about how much you are benefiting and how much yourself is giving back to the community

Installation

Install this extension and you can start using it's API for reading XML files inside your own code. It requires extension "svconnector" which provides the base for all connector services.

Configuration

The various "fetch" methods of the connector all take the same parameters:

Parameter	Type	Description	Default
uri	string	URI of the XML fiel to read. This may be local or remote. Examples: http://news.typo3.org/atom.xml EXT:myext/res/some.xml fileadmin/imports/some.xml	
encoding	string	Encoding of the data found in the file. This value must match any of the encoding values or their synonyms found in class t3lib_cs. Note that this means pretty much all the usual encodings. If unsure look at array t3lib_cs::synonyms.	
useragent	string	User agent to fake. This is sometimes necessary to bypass access restrictions on some sites. Don't include the "User-Agent:" part of the header. Example: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.6; en-US; rv:1.9.2.13) Gecko/20101203 Firefox/3.6.13	

Developer's manual

Reading a flat file using the Feed/XML connector service is a simple task. The first step is to get the proper service object:

```
$services = t3lib_extMgm::findService('connector', 'feed');
if ($services === FALSE) {
    // Issue an error
}
else {
    $connector = t3lib_div::makeInstanceService('connector', 'feed');
}
```

On the first line, you get a list of all services that are of type “connector” and subtype “feed”. If the result is false, it means no appropriate services were found and you probably want to issue an error message.

On the contrary you are assured that there's at least one valid service and you can get an instance of it by calling `t3lib_div::makeInstanceService()`.

The next step is simply to call the appropriate method from the API – with the right parameters – depending on which format you want to have in return. For example:

```
$parameters = array(
    'uri' => 'http://news.typo3.org/atom.xml',
    'encoding' => 'utf-8',
);
$data = $connector->fetchXML($parameters);
```

This will return the XML from the feed as a string. The `fetchRaw()` will return the same.

The `fetchArray()` method returns an array version of the XML transformed using `tx_svconnector_utility::convertXmlToArray()`. The returned array has a rather complex structure, but this ensures that no information is lost.

To-Do list

There is a roadmap on Forge for the continuing development of this extension:

http://forge.typo3.org/projects/extension-svconnector_feed/roadmap