staticuploadrsync

Extension Key: **staticuploadrsync**

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The content of this document is related to TYPO3

- a GNU/GPL CMS/Framework available from www.typo3.com

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Introduction

What does it do?

The "staticUpload: Rsync" extension is a service that enables you to transfer files to a remote server using rsync in combination with SSH.

Screenshots

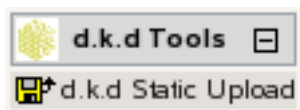Below are some screendumps which show the installed and active upload services.
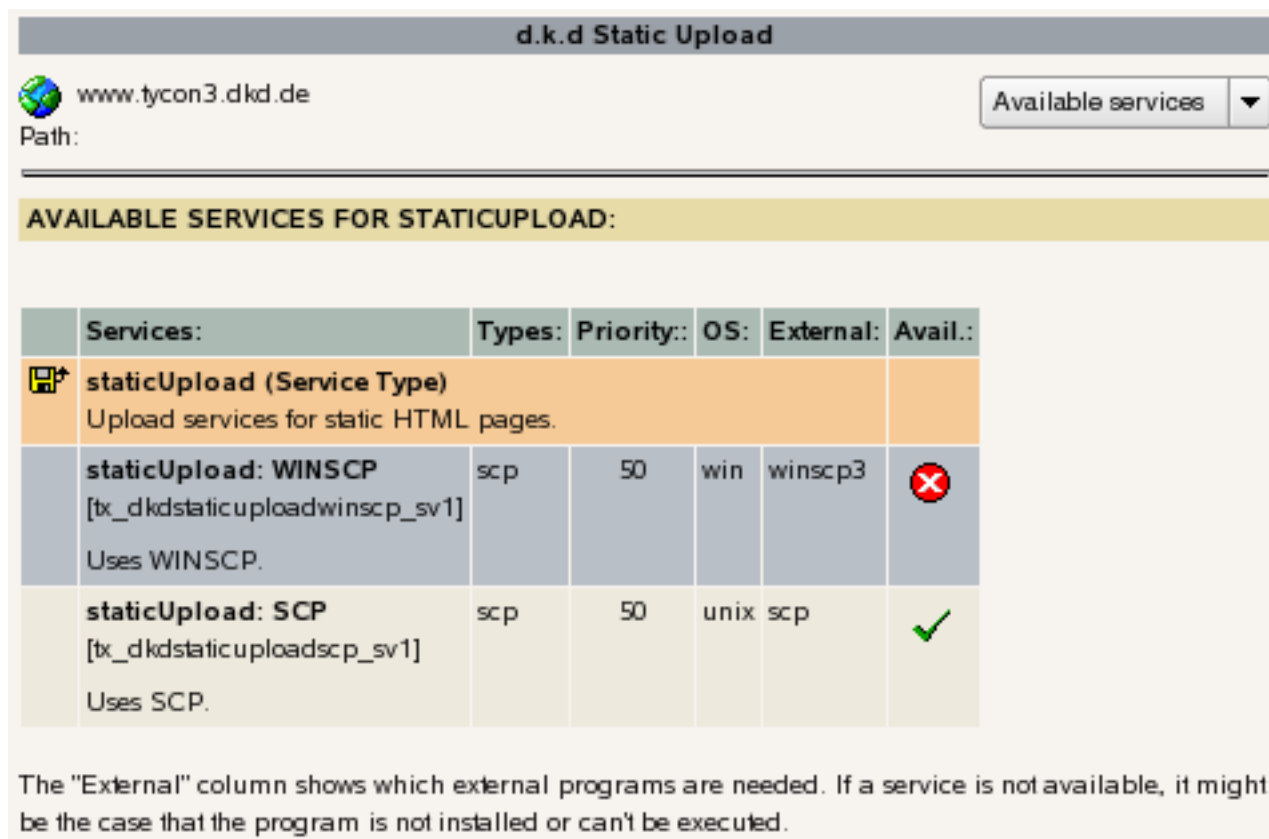

Image 1: The module d.k.d Tools

Image 2: Overview of available upload services.

Users manual

After the module has been installed and configured the module will appear under "d.k.d Tools".

Click on "d.k.d Static Upload" and if the module is used for the first time you will be taken to an overview of services which are available on your server.

If a service is marked as not available it might be that the specific service cannot be used on the OS of your server. It could also be the case that an external program is needed which is not installed on your server.

Select "Static upload" from the functions menu and you will be presented with a drop-down list containing all TYPO3 domain records from the current TYPO3 installation.

If you have selected one of the listed records, the upload process will be started. In case you wonder why you receive instant feedback on the screen – the upload process runs in the background. When the upload process has finished an eMail will be sent with more information.

Adminstration

After the extension "staticUpload: Rsync" has been installed make sure that the upload service is activated.

Verify that a BE user named "_cli_staticupload" exists. Only this BE user can run the CLI of TYPO3.

Verify that the correct SSH keys are installed on the TYPO3 Server and on the remote server.

The extension is implemented as a service and allows to transfer files from the TYPO3 server to a remote server using Rsync utilizing the SSH protocoll.

During the installation of the services no configuration needs to be done. All configuration settings for the module "Static Upload" are done using TS.

To use a TS configuration for "Static Upload" two criteria must match:

1. A TYPO3 domain record must exist on the root page.

2. Inside the TS an object with the name of the domain must exist where "." are replaced by "_".

Using TS for the configuration has the advantage that a TYPO3 administrator can change settings without the need to change any PHP code.

Example TS configuration

```
 0: service.staticUpload {
 1:    www_example_com {
 2:       server = www.example.com
 3:       username = root
 4:       path_to_php = /usr/bin
 5:       path_to_scp = /usr/bin
 6:       options = -avz --numeric-ids --delete -e "ssh -i /var/lib/wwwrun/.ssh/id_dsa"
 7:       local_dir = /srv/www.local.example.com/htdocs/publish/*
/srv/www.local.example.com/htdocs/fileadmin /srv/www.local.example.com/htdocs/uploads
/srv/www.local.example.com/htdocs/typo3temp
 8:       remote_dir = /srv/www.example.com/htdocs
 9:       logfile_dir = /tmp
10:       service = rsync
11:       email = john.doe@example.com
12:    }
13: }
```

Configuration

Overcoming "max_execution_time"

It was clear from the beginning that we had to find a way to overcome the limitiations imposed by script timeouts, server timeouts or browser timeouts.

To solve these problems we thought about moving the upload process into the background and sending a notification eMail to the address specified in the TS configuration.

Linux:

```
 1: $cmd= sprintf( '%sphp "%scli/exec_bg_cli.php" "%s" 2>&1 &', $conf['path_to_php'],
t3lib_extMgm::extPath( $this->extKey ), base64_encode( serialize($conf) ) );
 2: exec( $cmd );
```

Reference

Property:	Data type:	Description:	Default:
www_example_com	string	Domain name, top level of the configuration. Must match a TYPO3 domain record. See "Example TS configuration".	
server	string	The name of the target server.	
username	string	Username on the target server.	
path_to_php	string	The path to the PHP cli executable.	
path_to_scp	string	The path to the used rsync executable.	
options	string	Options for the rsync executable.	
local_dir	string	One or more local directories which should be transferred to the remote server.	
remote_dir	string	Target directory on the remote server.	
logfile_dir	string	Directory on the local server where logfiles should be stored.	
service	string	Name of the service which should be used, e. g. rsync.	
email	string	Email address where the notification will be sent to when the upload process has been finished.	

[tsref:service.staticUpload]

Changelog