

DokuWiki Synology DSM7

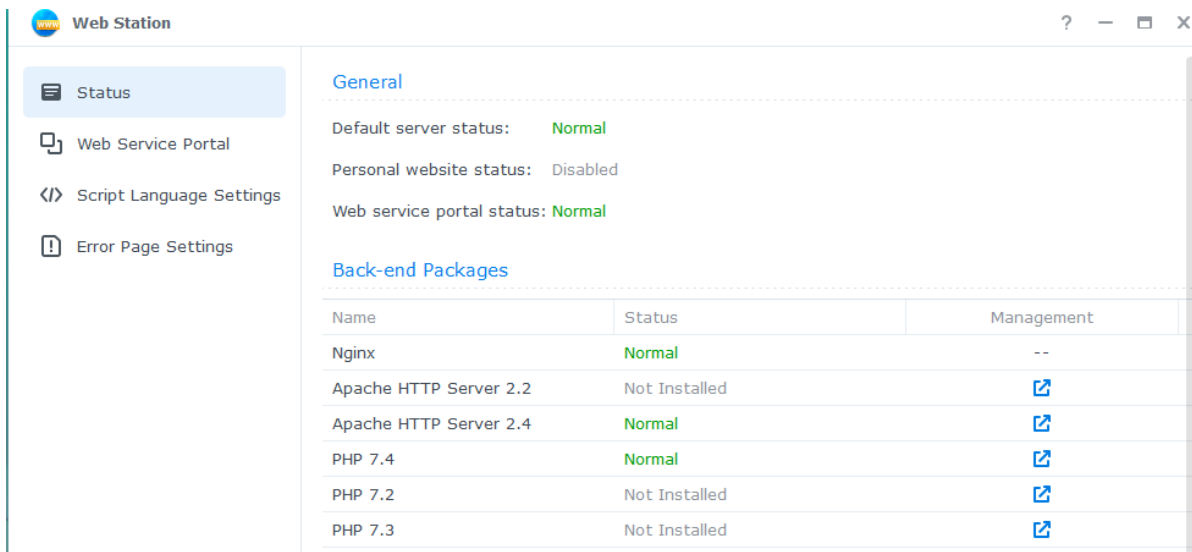
Synology's NAS system used to provide a DokuWiki package in their package manager. Since the DSM 7.0 release, this is no longer the case. Instead you need to manually install DokuWiki using the Web Station app.

Installing DokuWiki on DSM 7.0+

Synology does not currently provide a package for installing Dokuwiki on the Diskstation under DSM 7. This procedure should help to install Dokuwiki on a Synology Diskstation running DSM 7.

On DSM: Package Center: Install Web Station

- Install Apache 2.4 via the Package Center
Hint: go to Web Station Status Panel and click the Arrow in Management Column, this will bring you to the Apache Install Package in Package Center
- Install PHP 7.4 via the Package Center
Hint: go to Web Station Status Panel and click the Arrow in Management Column, this will bring you to the PHP Install Package in Package Center



The screenshot shows the Synology Web Station interface. On the left is a sidebar with navigation links: Status, Web Service Portal, Script Language Settings, and Error Page Settings. The main panel is titled 'General' and shows the following status information:

- Default server status: Normal
- Personal website status: Disabled
- Web service portal status: Normal

Below this is a section titled 'Back-end Packages' which contains a table with the following data:

Name	Status	Management
Nginx	Normal	--
Apache HTTP Server 2.2	Not Installed	[icon]
Apache HTTP Server 2.4	Normal	[icon]
PHP 7.4	Normal	[icon]
PHP 7.2	Not Installed	[icon]
PHP 7.3	Not Installed	[icon]

In Web Station this will create a customized Profile under "Script Language Settings" with name 'user-defined'

- Edit the Profile and activate the following Extensions:
 - bz2
 - gd
 - ldap
 - openssl
 - pdo_sqlite
 - zlib

The screenshot shows the Synology DSM Web Station interface. On the left, the 'Script Language Settings' menu item is highlighted. The main panel shows the 'PHP' settings, with the 'Customized Profile' section expanded. The 'User-defined' profile is selected, showing 'PHP 7.4' as the version. The 'Edit PHP profile' dialog is open, showing the 'Extensions' tab. The 'gd' extension is checked and circled in red.

Service	Status	Profile name	PHP version	Description
Customized Profile				
User-defined	Available	Default Profile	PHP 7.4	Default PHP 7.4 Pro..

Edit PHP profile

Settings Extensions FPM Core

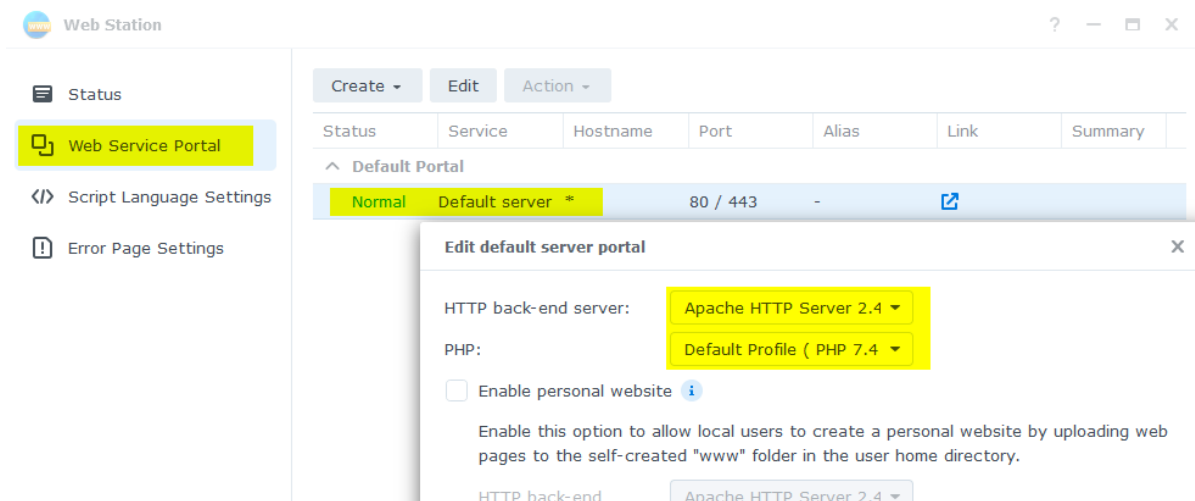
	Name	Description
<input type="checkbox"/>	bcmath	For arbitrary precision mathematics PHP offers the Binary Calculator which su...
<input checked="" type="checkbox"/>	bz2	The bz2 functions are used to transparently read and write bz2 (.bz2) co...
<input type="checkbox"/>	calendar	The calendar extension presents a series of functions to simplify converting b...
<input type="checkbox"/>	curl	The curl extension allows you to connect and communicate to many different...
<input type="checkbox"/>	dba	These functions build the foundation for accessing Berkeley DB style databas...
<input type="checkbox"/>	exif	With the exif extension you are able to work with image meta data.
<input type="checkbox"/>	ftp	The functions in this extension implement client access to files servers speaki...
<input checked="" type="checkbox"/>	gd	Enables Creation and manipulation of images in various formats.
<input type="checkbox"/>	gettext	The gettext functions implement an NLS (Native Language Support) API whic...
<input type="checkbox"/>	gmp	These functions allow you to work with arbitrary-length integers using the GN...
<input type="checkbox"/>	iconv	With iconv extension, you can turn a string represented by a local character ...
<input type="checkbox"/>	imagick	This module helps you to create and modify images using the ImageMagick lib...
<input type="checkbox"/>	imap	These functions enable you to operate with the IMAP protocol, as well as the...
<input type="checkbox"/>	intl	Internationalization extension (further is referred as Intl) is a wrapper for ICU

Save the settings!

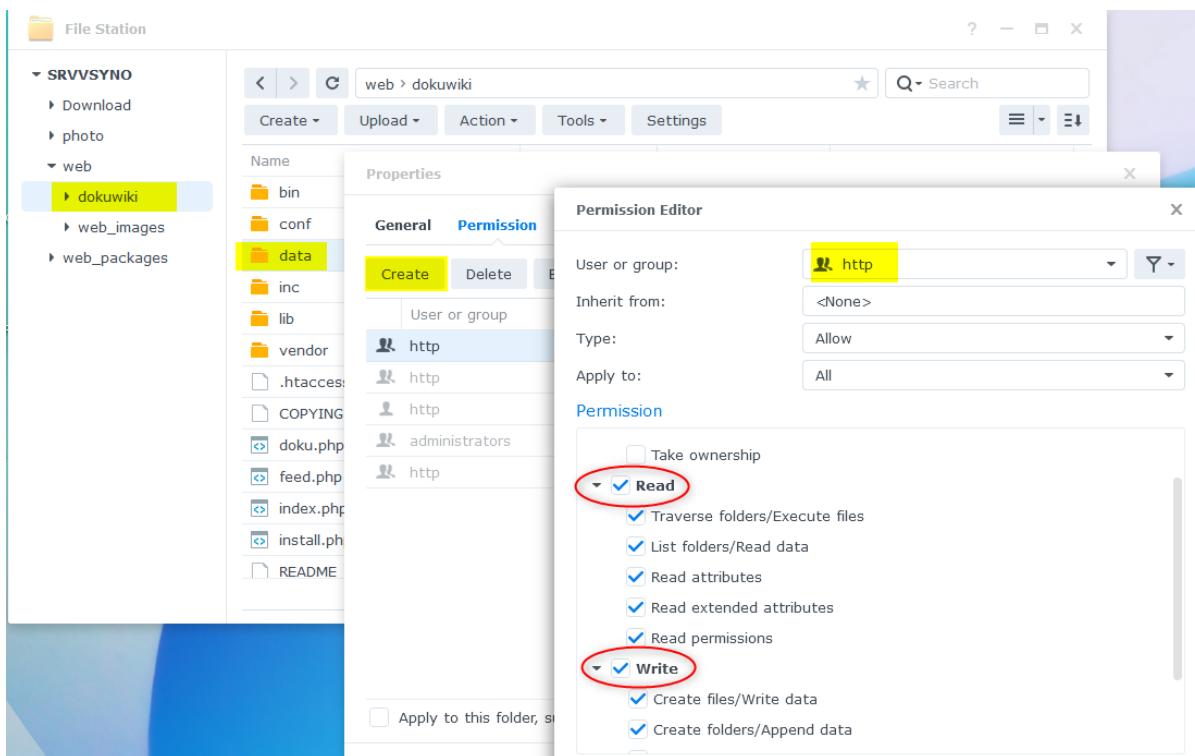
On your PC: Download DokuWiki: <https://download.dokuwiki.org/>

On DSM:

- Go to File Station
 - Select left the Web Folder
 - Upload the downloaded Archive from DokuWiki (TGZ)
 - Right Mouseclick on the Archive in File Station and select Extract... → Extract here
 - Do the same with the new File (TAR)
 - You have now the Folder "dokuwiki" in your Web-Folder
 - Delete TGZ and TAR File
- Go to Web Station and select "Web Service Portal"
 - Edit the default server
 - If installed Apache: Httpback-end server: select Apache
 - PHP: Select the created Profile (Default Profile 7.x)



- File Station: Setup Permissions for Folders
 - Go to Web Folder
 - Select dokuwiki Folder
 - Right Click on data Folder
 - Properties → Permission → Create:
 - User or Group: http
 - Select Read and Write
 - **Click Done**
 - **Click Save**



Repeat this steps for folders: dokuwiki/conf, dokuwiki/lib/plugins and dokuwiki/lib/tpl

Go to: http://<IP_of_your_Synology>/dokuwiki/install.php

Done.

Upgrading from DSM 6

There are several possible ways to switch from a package installation to a direct installation.

Copy, Uninstall, Copy back, Upgrade DSM

- copy the directory "dokuwiki" to another location **outside** the "web" folder
- uninstall the package "Dokuwiki" via the package manager
- copy the "dokuwiki" directory back to the "web" folder
- upgrade to DSM 7

Some users report problems with permissions after this procedure: [User Forum: Dokuwiki package no longer supported in Synology DSM 7](#). If this problem occurs, a complete reinstallation is recommended.

Backup, Uninstall, Upgrade DSM, Restore

This procedure is taken from [User Forum: Manual install of Dokuwiki in a Synology NAS running DSM6.2](#) It is the same procedure as for a [complete new installation](#). Only the backup of the data is added and the procedure for this is described.

1. To be extra save; copy the nas/DokuWiki folder from your Synology to a other location.
2. Delete the DokuWiki package with the Package Center.
3. Upgrade to DSM 7 (see instructions on the official Synology site)
4. Go to Webstation in DSM → PHP Setting (scripttaalinstellingen in my native language) → Create/Make → Profile name: Dokuwiki → Profile description: Dokuwiki → PHP version: PHP 7.4 → enable Extensions: bz2, gd, openssl and zlib and click Save/Ok.
5. Go to Webserviceportal (still in Webstation) and choose for HTTP back-endserver: Apache HTTP Server 2.4 and PHP: Dokuwiki (PHP 7.4.) → Save.
6. copy dokuwiki folder back into web directory

See also

- [Dokuwiki package no longer supported in Synology DSM 7](#)
- [Manual install of Dokuwiki in a Synology NAS running DSM6.2](#)

From:
<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:
<http://wuff.dyndns.org/doku.php?id=synology:dokuwiki-dsm7>

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