Synology NAS

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

- Use Apache Web Server for DokuWiki (*recommended*):
 - Note: Restricting access to DokuWiki's "secure directories" (data, conf, bin, inc, vendor; see here) with the default Web Server in DSM7 »nginx« is not straight forward. Following the instructions on **Deny Directory Access in Ngnx did not prevent access** to files in data subdirectories. while this works out-of-the-box using Apache. $\Rightarrow \Rightarrow \Rightarrow \Rightarrow$
- 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 (.2, .3 or .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

🥌 Web Station			? — 🗖 X					
E Status	General							
Web Service Portal Script Language Settings	Default server status: Normal Personal website status: Disabled							
 Script Language Settings Error Page Settings 	Web service portal status: Normal Back-end Packages							
	Name	Status	Management					
	Nginx	Normal						
	Apache HTTP Server 2.2	Not Installed						
	Apache HTTP Server 2.4	Normal	Ľ					
	PHP 7.4	Normal						
	PHP 7.2	Not Installed						
	PHP 7.3	Not Installed	2					

In Web Station this will create a costumized Profile under "Script Language Settings" with name 'userdefined'

- Edit the Profile and activate the following Extensions:
 - ∘ bz2
 - ∘ gd
 - ∘ Idap

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opensslpdo_sqlitezlib	1					
Web Station					? — 🗆	×
Status	РНР					
Web Service Portal	Create	Edit Delete				
-	Service	Status	Profile name	PHP version	Description	
Script Language Settings	∧ Customiz	ed Profile				
Error Page Settings	User-defi	ned Available	Default Profile	PHP 7.4	Default PHP 7.4	Pro
	tttings Extension Name bcmath bz2 calendar curl dba exif ftp gd	Description For arbitrary precision The bzip2 functions The calendar extens The curl extension at These functions built With the exif extense The functions in this Enables Creation an	on mathematics PHP offe are used to transparent sion presents a series of allows you to connect ar Id the foundation for acc sion you are able to work s extension implement cl id manipulation of images	ly read and write bzi functions to simplify id communicate to m ressing Berkeley DB s with image meta da rent access to files s in various formats.	p2 (.bz2) co converting b any different tyle databas tta. ervers speaki	С
	gettext gmp	_	ns implement an NLS (Na ow you to work with arbit			I
	iconv	With iconv extensio	n, you can turn a string	represented by a loc	al character	
	imagick		ou to create and modify			
	imap		able you to operate with			
AND						

Save the settings!

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

On DSM:

- Go to File Station
 - Select left the Web Folder
 - $\circ\,$ Upload the downloaded Archive from DokuWiki (TGZ)
 - \circ Right Mouseclick on the Archive in File Station and select Extract... → Extract here
 - Do the same with the new File (TAR)
 - $\circ\,$ You have now the Folder "dokuwiki" in your Web-Folder
 - $\circ\,$ 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)

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🧓 Web Station							? — 🗆 X	
Status	Create -	Edit Actie	on -					
U Web Service Portal	Status	Service	Hostname	Port	Alias	Link	Summary	
	∧ Default Portal							
Script Language Settings	Normal	Default server	*	80 / 443	-	12		
! Error Page Settings		Edit default se	erver portal				×	
		HTTP back-en	id server:	Apache HTTP Server 2.4 🔻				
		PHP:		Default Profile	e (PHP 7.4 🔻			
		Enable pe	rsonal website	i				
					to create a pers r in the user ho		by uploading web	
		HTTP bac	k-end	Apache HTTP	Server 2.4 🔻			

- File Station: Setup Permissions for Folders
 - $\circ~$ 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

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• web	Name	Properties						×	
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	install.ph README				st folders/Read dat	a			
	README				ad attributes				
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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. Install the Backup Tool Plugin straight from the plugin manager of your existing DokuWiki install and make a backup from the admin page (tab every box for backup to be sure). Save the .tar archive to a other location than your Synology.
- 2. To be extra save; copy the nas/DokuWiki folder from your Synology to a other location.
- 3. Delete the DokuWiki package with the Package Center.
- 4. Upgrade to DSM 7 (see instructions on the official Synology site)
- 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 → Save/Ok.
- 6. Go to Webserviceportal (still in Webstation) and choose for HTTP back-endserver: Apache HTTP Server 2.2 (because of the permissions) and PHP: Dokuwiki (PHP 7.4.) → Save.
- 7. Go to the tab Extensions and enable: openssl and zlib and click Save
- Go to File Station and navigate to web → dokuwiki folder. Rightclick on the folder: data → Properties → Permissions → Make → Choose for user "http" → and check Write (which will check all underlying boxes) and choose: Save/Ok
- 9. Do the same for the folders: conf and lib/plugins and lib/tpl.
- 10. Download the stable: 2020-07-29 "Hogfather" release here (this is the same version as the latest Synology package for DMS 6, if in the meantime a new version is out, download this one from the DokuWiki archive.
- 11. Extract this archive to the web folder (default name and location: web/dokuwiki)
- 12. Run the installer (from /web/dokuwiki/install.php) and just use your existing info or something else, these setting will be overwritten from the backup in the next step.
- 13. Install the Backup Tool Plugin straight from the plugin manager for this new clean version.
- 14. Open the backup .tar archive made in step 1 (use an archive manager like 7 zip) and copy over the folders: conf, data and lib to the web/dokuwiki folder overwriting any possibly existing files.
- 15. Delete /web/dokuwiki/install.php file and check if this file is not accessible from the internet: https://yournasadres/dokuwiki/data/pages/wiki/dokuwiki.txt. If it is than doublecheck your

permissions.

Thanks to DokuwikiSyno for this guide.

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&rev=1675040176

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