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

- 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

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

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

- Edit the Profile and activate the following Extensions:
 - ∘ bz2
 - ∘ gd
 - ∘ Idap
 - openssl
 - pdo sqlite
 - ∘ zlib

Status	РНР				
] Web Service Portal	Create	Edit Delete			
	Service	Status	Profile name	PHP version	Description
V Schpt Language Settings	∧ Customize	d Profile			
Error Page Settings	User-defir	ed Available	Default Profile	PHP 7.4	Default PHP 7.4 Pro.
	Name bcmath bz2 calendar curl	Description For arbitrary precision The bzip2 functions a The calendar extension The curl extension all	n mathematics PHP offer re used to transparent on presents a series of ows you to connect ar	ers the Binary Calcula tly read and write bzij functions to simplify nd communicate to m	tor which su p2 (.bz2) co converting b any different
	dba	These functions build	the foundation for acc	cessing Berkeley DB s	tyle databas
	exif ftp	The functions in this	on you are able to work	k with image meta da	ta. ervers speaki
	ad ba	Enables Creation and	manipulation of images	s in various formats.	C
(94				
	gettext	The gettext functions	implement an NLS (Na	ative Language Suppo	ort) API whic
	gettext gmp	The gettext functions These functions allow	s implement an NLS (Na you to work with arbi	ative Language Suppo trary-length integers	ort) API whic using the GN
	gettext gmp iconv	The gettext functions These functions allow With iconv extension,	implement an NLS (Na you to work with arbi you can turn a string	ative Language Suppo trary-length integers represented by a loc	ort) API whic using the GN al character
	gettext gmp iconv imagick	The gettext functions These functions allow With iconv extension, This module helps you	implement an NLS (Na you to work with arbi you can turn a string u to create and modify	ative Language Support trary-length integers represented by a loc images using the Ima	ort) API whic using the GN al character ageMagick lib
	gettext gmp iconv imagick imap	The gettext functions These functions allow With iconv extension, This module helps you These functions enab	implement an NLS (Na you to work with arbi you can turn a string u to create and modify le you to operate with	ative Language Suppor trary-length integers represented by a loc images using the Ima the IMAP protocol, a	ort) API whic using the GN al character ageMagick lib is well as the

synology:dokuwiki-dsm7 http://wuff.dyndns.org/doku.php?id=synology:dokuwiki-dsm7&rev=1675041756

Save the settings!

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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)
 - \circ Right Mouseclick on the Archive in File Station and select Extract... \rightarrow Extract here
 - Do the same with the new File (TAR)
 - 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"
 - $\circ~$ 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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log Web Station							? – 🗆 X		
🖬 Status	Create -	Edit Actio	on -						
U Web Service Portal	Status	Service	Hostname	Port	Alias	Link	Summary		
Script Language Settings	∧ Default F Normal	Portal Default server	*	80 / 443	-	Ľ			
I Error Page Settings		Edit default se	erver portal				×		
		HTTP back-en PHP:	d server:	Apache HTTI Default Profil	ache HTTP Server 2.4 🔻				
		Enable personal website (i)							
		Enable this option to allow local users to create a personal website by uploading web pages to the self-created "www" folder in the user home directory.							
		HTTP bac	k-end	Apache HTTI	P 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

File Station					? — 🗆 X	
- SRVVSYNO	< > G	web > dokuwiki	* Q- 9	Search		
Downloadphoto	Create -	Upload - Action -	Tools - Settings		≡ - Ξŧ	
▼ web	Name	Properties				x
dokuwiki	📄 bin		Permission Editor			>
web_images	conf	General Permission				
web_packages	📄 data	Create Delete	User or group:	<u> 🎗</u> http		• Y •
	inc		Inherit from:	<none></none>		
	ib	User or group	Type:	Allow		-
	vendor	L http	Apply to:	All		•
	.htacces:	L http	Apply to:	All		
	COPYING	2 administrators	Permission			
	doku.php		Take ownershi	p		
	reed.php	and http	Read			
	index.php		 Traverse folde 	rs/Execute files		
		✓ List folders/Read data				
	READINE		Read attribute	S		
			Read extended Read extended	attributes		
			Write	115		
			Create files/W	rite data		
		Apply to this folder,	SI Create folders	/Append data		

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: 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&rev=1675041756

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