

# Synology NAS

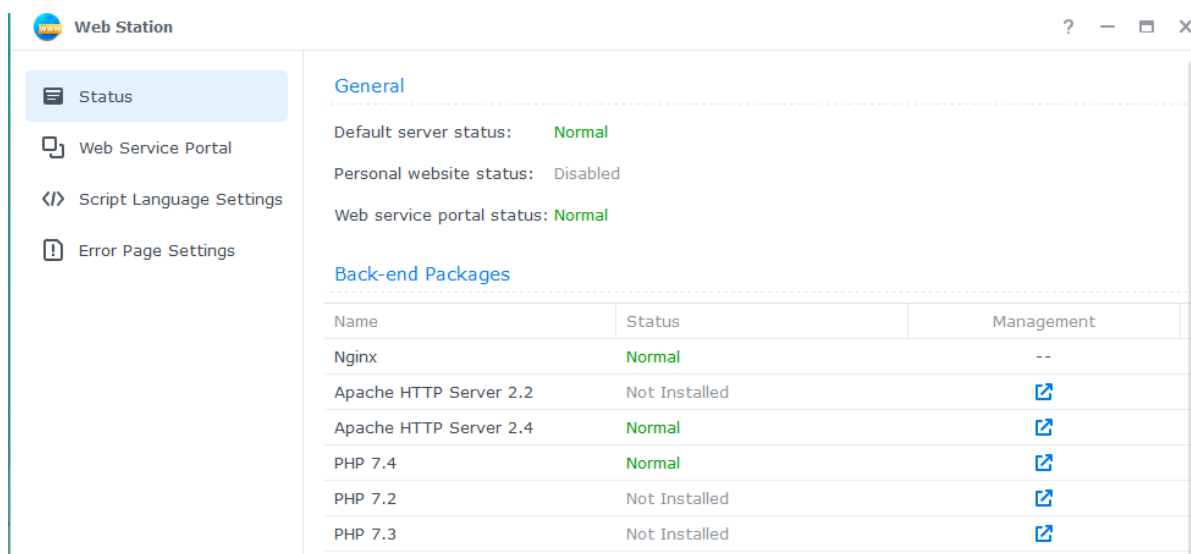
Synology's NAS system used to provide a DokuWiki package in their package manager. Since the DSM 7.0 release, this is no longer the case. Instead you need to manually install DokuWiki using the Web Station app.

## 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*



The screenshot shows the Synology Web Station interface. On the left is a sidebar with navigation options: 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 the 'Back-end Packages' section, which contains a table with the following data:

Name	Status	Management
Nginx	Normal	--
Apache HTTP Server 2.2	Not Installed	<a href="#">[icon]</a>
Apache HTTP Server 2.4	Normal	<a href="#">[icon]</a>
PHP 7.4	Normal	<a href="#">[icon]</a>
PHP 7.2	Not Installed	<a href="#">[icon]</a>
PHP 7.3	Not Installed	<a href="#">[icon]</a>

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 a table of profiles. The 'Customized Profile' section shows a 'User-defined' profile for 'PHP 7.4'. An 'Edit PHP profile' dialog is open, showing the 'Extensions' tab. The dialog has tabs for 'Settings', 'Extensions', 'FPM', and 'Core'. The 'Extensions' tab contains a list of PHP extensions with checkboxes. The 'gd' and 'bz2' extensions are 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..

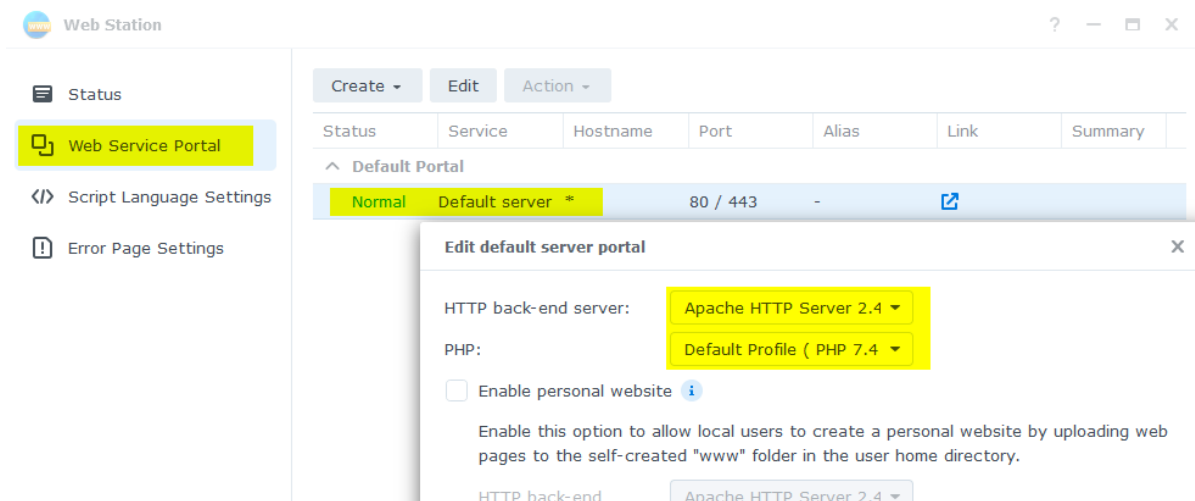
Settings	Extensions	FPM	Core
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**Save the settings!**

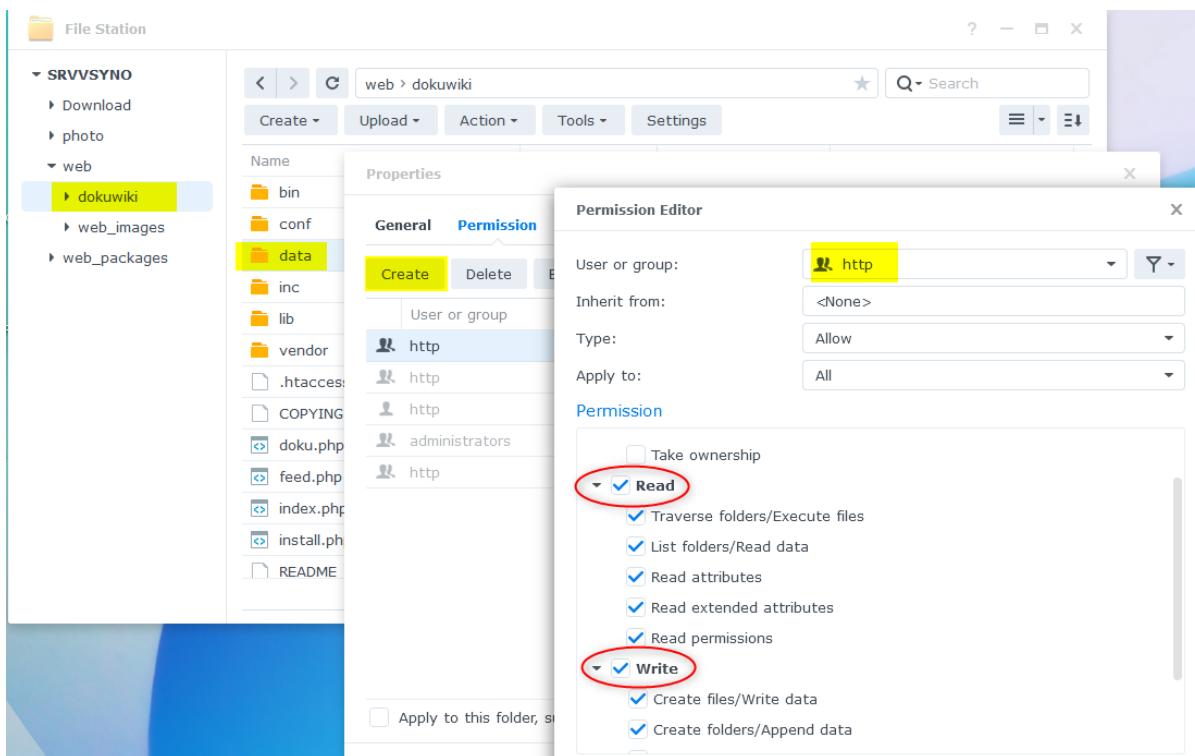
**On your PC:** Download DokuWiki: <https://download.dokuwiki.org/>

**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](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&rev=1675041878>

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