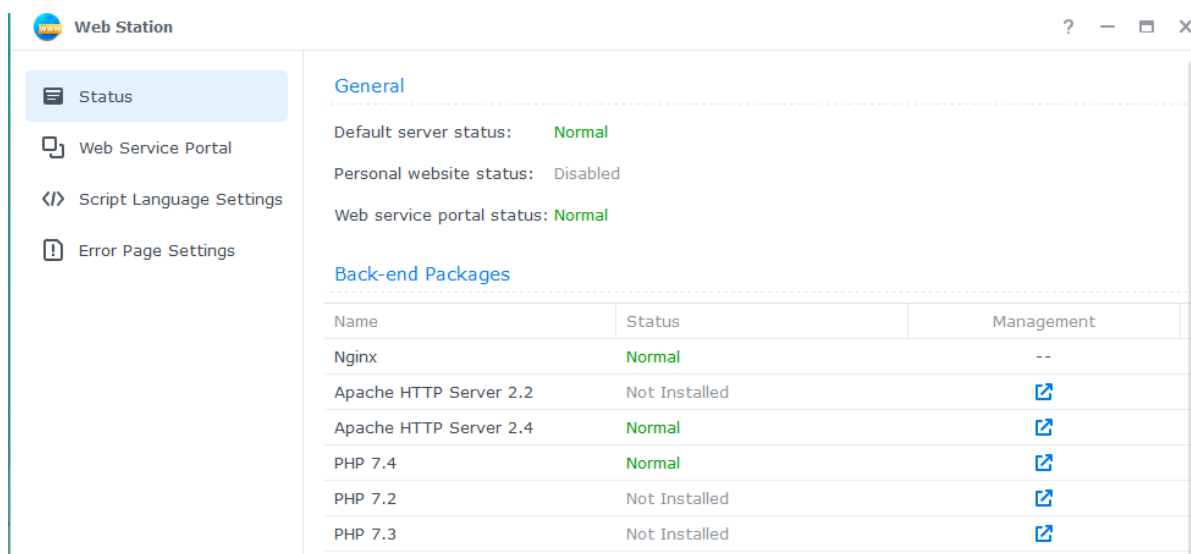# Synology NAS

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*



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

**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)
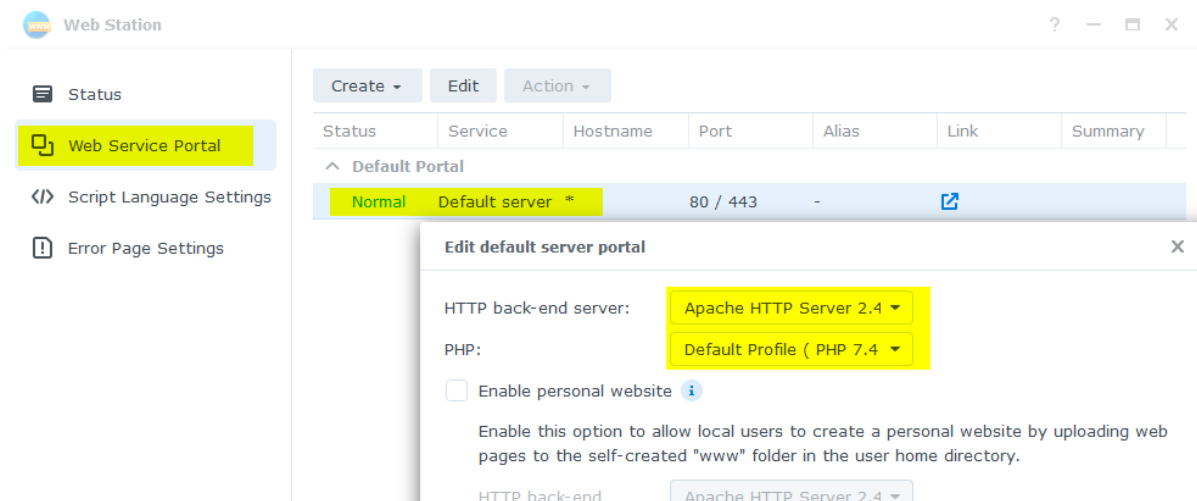
- File Station: Setup Permissions for Folders
    - Go to Web Folder
    - Select dokuwiki Folder
    - Right Click on data Folder
        - Properties → Permission → Create:
            - User or Group: http
            - Select Read and Write
            - **Click Done**
            - **Click Save**
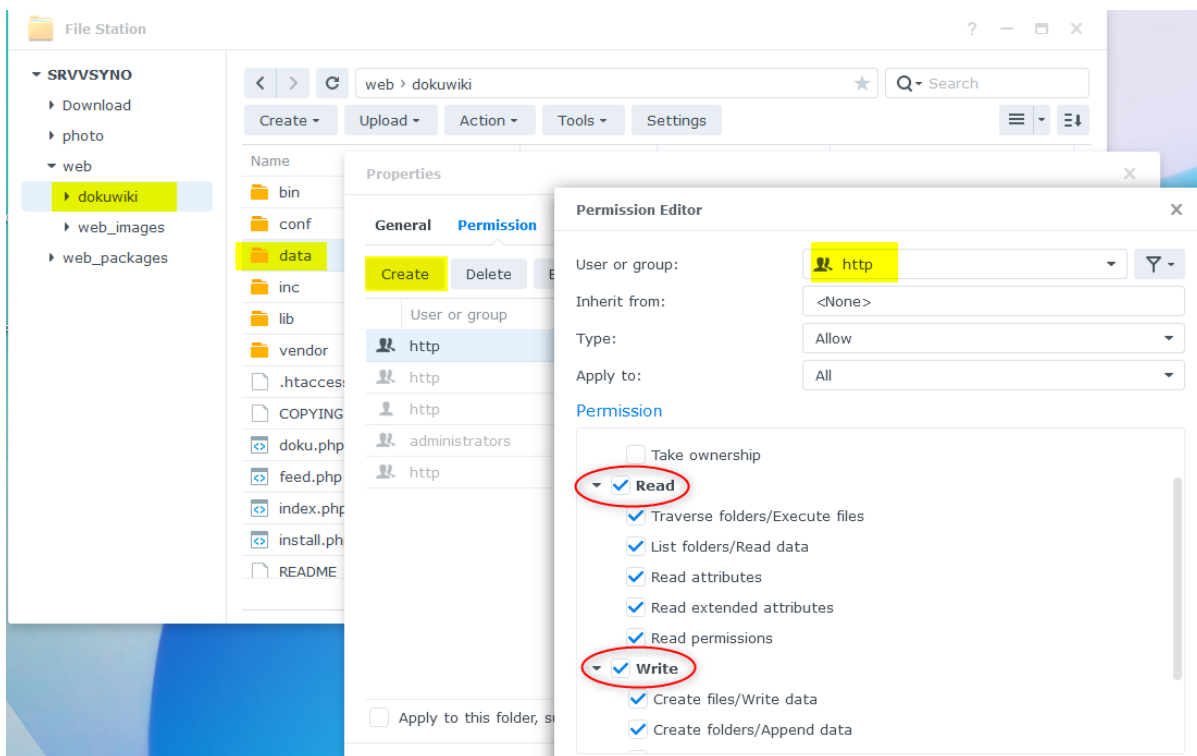
**Repeat this steps for folders: dokuwiki/conf, dokuwiki/lib/plugins and dokuwiki/lib/tpl**

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&rev=1675041878**

Last update: **2023/05/29 11:54**