

# Installation and configuration guide

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# WHMCS setup(install/update)

## Synology module **WHMCS**

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To install and update a module, you must perform one and the same action.

### 1. Download the latest version of the module.

PHP 8.1

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Synology/PUQ_WHMCS-Synology-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Synology/php74/PUQ_WHMCS-Synology-latest.zip
```

All versions are available via link:

[http://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-Synology/](http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Synology/)

### 2. Unzip the archive with the module.

```
unzip PUQ_WHMCS-Synology-latest.zip
```

### 3. Copy and Replace "puqSynology" to

"WHMCS\_WEB\_DIR/modules/servers/"

# Synology part setup guide

## Synology module **WHMCS**

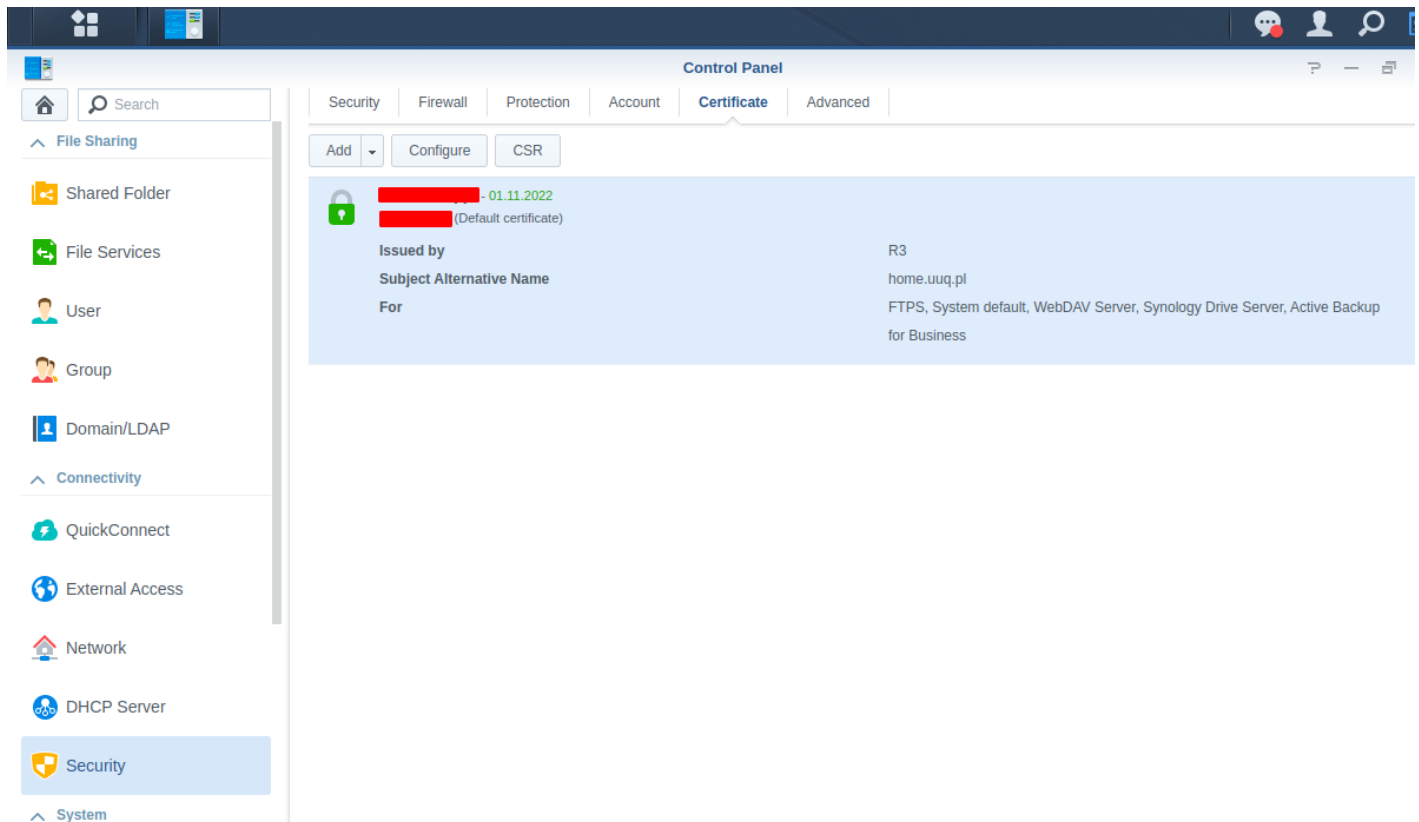
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Here are the initial steps of configuring Synology devices to prepare them for use with the WHMCS module.

At the beginning, you should prepare the appropriate domain with the correct DNS entries so that you can generate a correct SSL certificate for Your Synology NAS server.

### 1. Generate an SSL certificate for your domain.

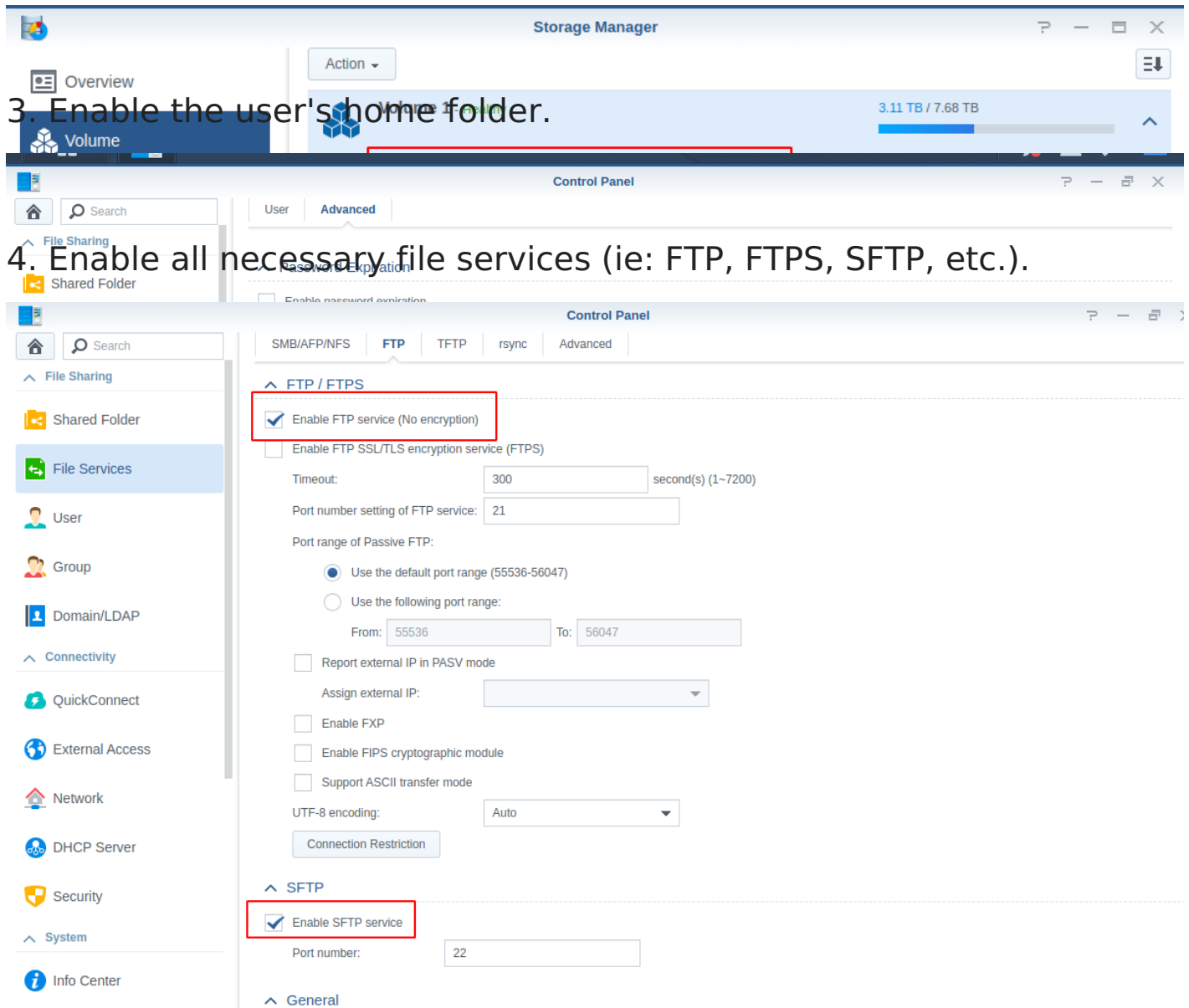
Connect the certificate for all services that will be used in the server.(FTPS, System, Synology Drive, etc...)



2. Make sure the partition is formatted in BTRFS

3. Enable the user's home folder.

4. Enable all necessary file services (ie: FTP, FTPS, SFTP, etc.).



5. Create user groups with the necessary quotas and permissions.

Control Panel

Home

Search

File Sharing

Shared Folder

File Services

User

Group

Domain/LDAP

Connectivity

QuickConnect

External Access

Network

DHCP Server

Security

CreateEditDeleteEdit Members

Name

Description

10G

administratorsSystem default admin group

httpSystem default group for Web services

usersSystem default group

10G

Group InformationPermissionsQuotaApplicationsSpeed Limit

Volume/Shared fol...DescriptionQuotaUnitEnable quota

Volume 1-

ActiveBacku...-0GB

homesuser home10GB

musicSystem default sh...0GB

NetBackupSystem default sh...0GB

video-0GB

webSystem default sh...0GB

OKCancel

Control Panel

Search

File Sharing

Shared Folder

File Services

User

Group

Domain/LDAP

Connectivity

QuickConnect

External Access

Network

DHCP Server

Security

System

Info Center

Theme

10G

Group Information

Permissions

Quota

Applications

Speed Limit

Name	<div><div></div>Allow</div>	<div><div></div>Deny</div>	By IP
Active Backup for Busin...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Active Backup for Busin...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Audio Station	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active Backup for Busin...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cloud Sync	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DSM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Download Station	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File Station	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FTP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Note Station	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Synology Drive	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Synology Contacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Synology Calendar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Universal Search	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Video Station	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WebDAV Server	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
rsync (Shared Folder S...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

OK

Cancel

# WHMCS part setup guide

## Synology module **WHMCS**

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### 1. Download the latest version of the module.

PHP 8.1

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Synology/PUQ_WHMCS-Synology-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Synology/php74/PUQ_WHMCS-Synology-latest.zip
```

All versions are available via link:

[http://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-Synology/](http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Synology/)

### 2. Unzip the archive with the module.

```
unzip PUQ_WHMCS-Synology-latest.zip
```

### 3. Copy "puqSynology" to "WHMCS\_WEB\_DIR/modules/servers/"

### 4. Create new server Synology NAS in WHMCS (System Settings->Products/Services->Servers)

System Settings->Servers->Add New Server

- Enter the correct **Name** and **Hostname**



- In the **Server Details** section, select the "**PUQ Synology**" module and enter the correct **username** and **password** for the **Synology NAS web interface**.
- To check, click the "**Test connection**" button

**WARNING: ACCESS HASH** field Used to store the access key to the server and is updated automatically.

Module

✓ Connection successful. Some values have been auto-filled.

Username ruslan

Password .....

## 5. Create a new Products/Services

### Add new product to WHMCS

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the "**PUQ Synology**" module

Access Hash

Edit Product

Details Pricing Module Settings Custom Fields Configurable Options Upgrades Free Domain Other Links

Module Name PUQ Synology Server Group None

Unit GigaByte Unit of measure in the product (technical information)

Notification disk limit email template syno-

Notification, used disk space X % 10G

Group A group on Synology that will be user-specific. In it we configure all limits and access

Save usage history (days) 364

Link to instruction

License key: A pre-purchased license key for the "**PUQ Synology**" module. For the module to work correctly, the key must be active

Unit: Packet disk space units

Disk space size: Disk size in this product

Notification disk limit email template: Email template that will be sent when the disk quota is exceeded in %

Notification, used disk space X %: Sets a percentage parameter, after exceeding this parameter a notification will be sent to the user

Username prefix/Username suffix: Necessary in order to generate a username for the service, in the format: **prefix<client\_id>-<service\_id>suffix**

Group: The group that will be assigned to the user on the server side of the **Synology NAS**

- **Save usage history (days):** The number of days it takes to save user disk usage statistics
- **Link to instruction:** Link to the instruction, if filled out, it will be reflected in the client area

# Email Template

## (puqSynology Notification disk limit)

Synology module **WHMCS**

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Create an email template for customer notifications.

System Settings->Email Templates->Create New Email Template

- **Email Type:** Product/service
- **Unique Name:** puqSynology Notification disk limit

Subject: Create New Email Template

Disk space usage {\$disk\_used\_percentage} % - {\$username}

Email type: Product/Service

Body:

Dear {\$client\_name},

This letter informs you that the disk space usage limit is coming to an end.

Product/Service: {\$service\_product\_name}

Due Date: {\$service\_next\_due\_date}

Username: {\$username}

Disk limit: {\$disk\_limit\_bytes\*\$unit\_coefficient} {\$unit}

Disk used: {\$disk\_used\_unit} {\$unit} ({\$disk\_used\_percentage} %)

Disk free: {\$disk\_free\_unit} {\$unit} ({\$disk\_free\_percentage} %)

{\$signature}

Subject:

Disk space usage {\$disk\_used\_percentage} % - {\$username}

.....

# Add server (Synology NAS)

## Synology module **WHMCS**

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Add a new server to the system WHMCS.

System Settings->Servers->Add New Server

- Enter the correct **Name** and **Hostname**
- In the **Server Details** section, select the "**PUQ Synology**" module and enter the correct **username** and **password** for the **Synology NAS web interface**.
- To check, click the "**Test connection**" button

WARNING: **ACCESS HASH** field Used to store the access key to the server and is updated automatically.

Module

✓ Connection successful. Some values have been auto-filled.

Username

ruslan

# Product Configuration

## Synology module **WHMCS**

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### Add new product to WHMCS

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the **"PUQ Synology"** module

Edit Product

- **License key:** A pre-purchased license key for the **"PUQ Synology"** module. For the module to work correctly, the key must be active

Details	Pricing	Module Settings	Custom Fields	Configurable Options	Upgrades	Free Domain	Other	Links
Module Name: PUQ Synology								
Server Group: None								
Unit: GigaByte								
Disk space size: 10								
Notification disk limit email template: syno-								
Notification, used disk space X %: 90								
Username prefix: 10G								
Group: 364								
Save usage history (days): 364								
Link to instruction: A link to the instruction will be reflected in the client area.								

- **Unit:** Packet disk space units
- **Disk space size:** Disk size in this product
- **Notification disk limit email template:** Email template that will be sent when the disk quota is exceeded in %
- **Notification, used disk space X %:** Sets a percentage parameter after exceeding this parameter a notification will be sent to the user
- **Username prefix/Username suffix:** Necessary in order to generate a username for the service, in the format: **prefix<client\_id>-<service\_id>suffix**
- **Group:** The group that will be assigned to the user on the server side of the **Synology NAS**
- **Save usage history (days):** The number of days it takes to save user disk usage statistics
- **Link to instruction:** Link to the instruction, if filled out, it will be reflected in the client area