

Installation and configuration guide

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1. WHMCS setup(install/update)

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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/

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

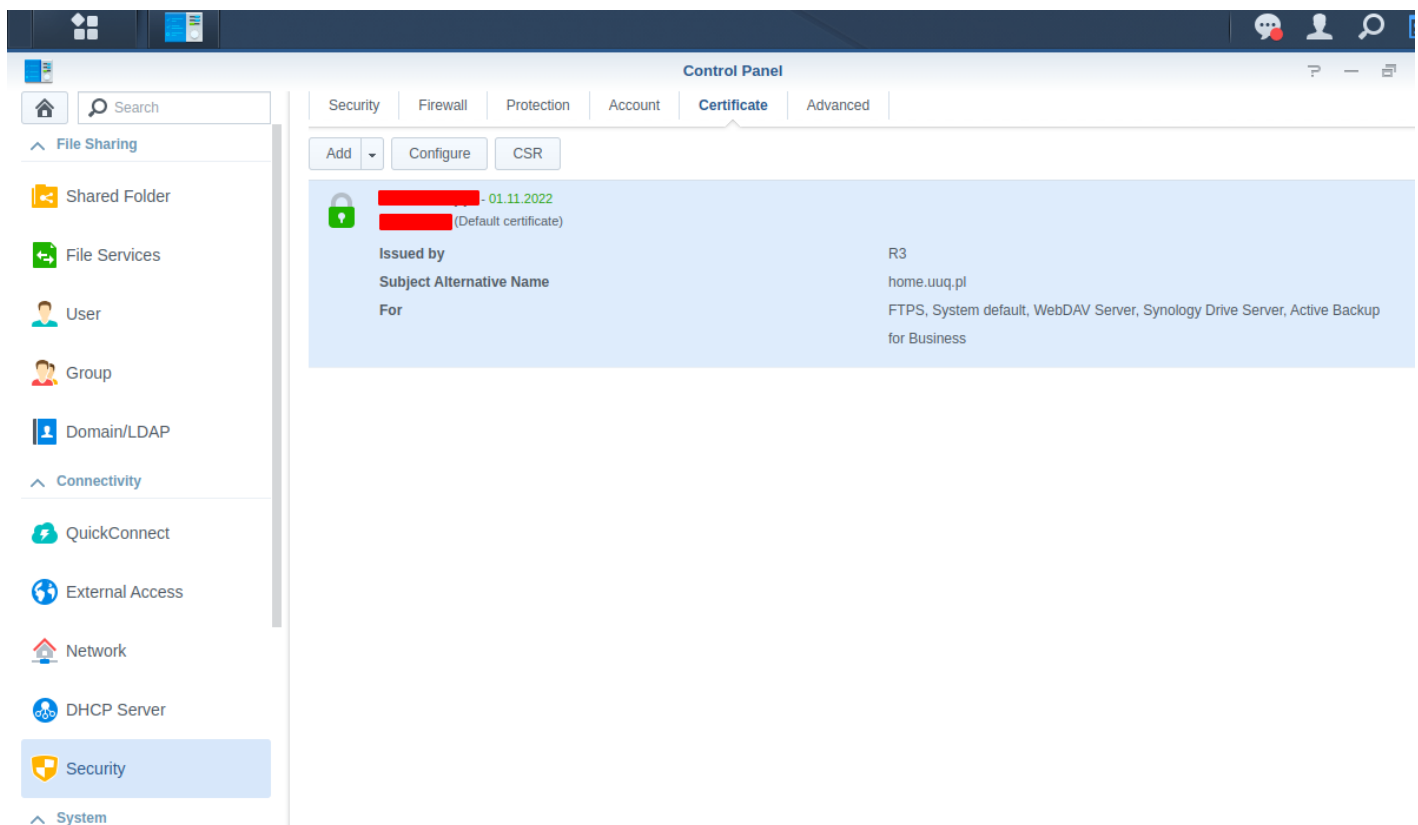
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Here are the initial steps of configuring Synology devices to prepare them for use with the WHMCS module.

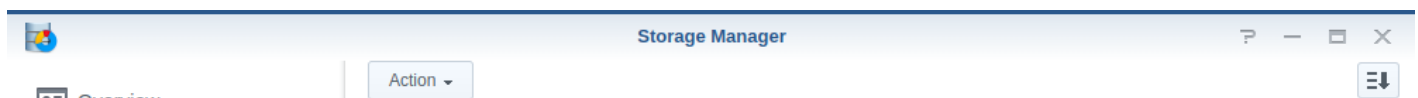
At the beginning, you should prepare the appropriate domain with the correct DNS entries so that you can generate a correct SSL certificate for Your Synology NAS server.

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...)

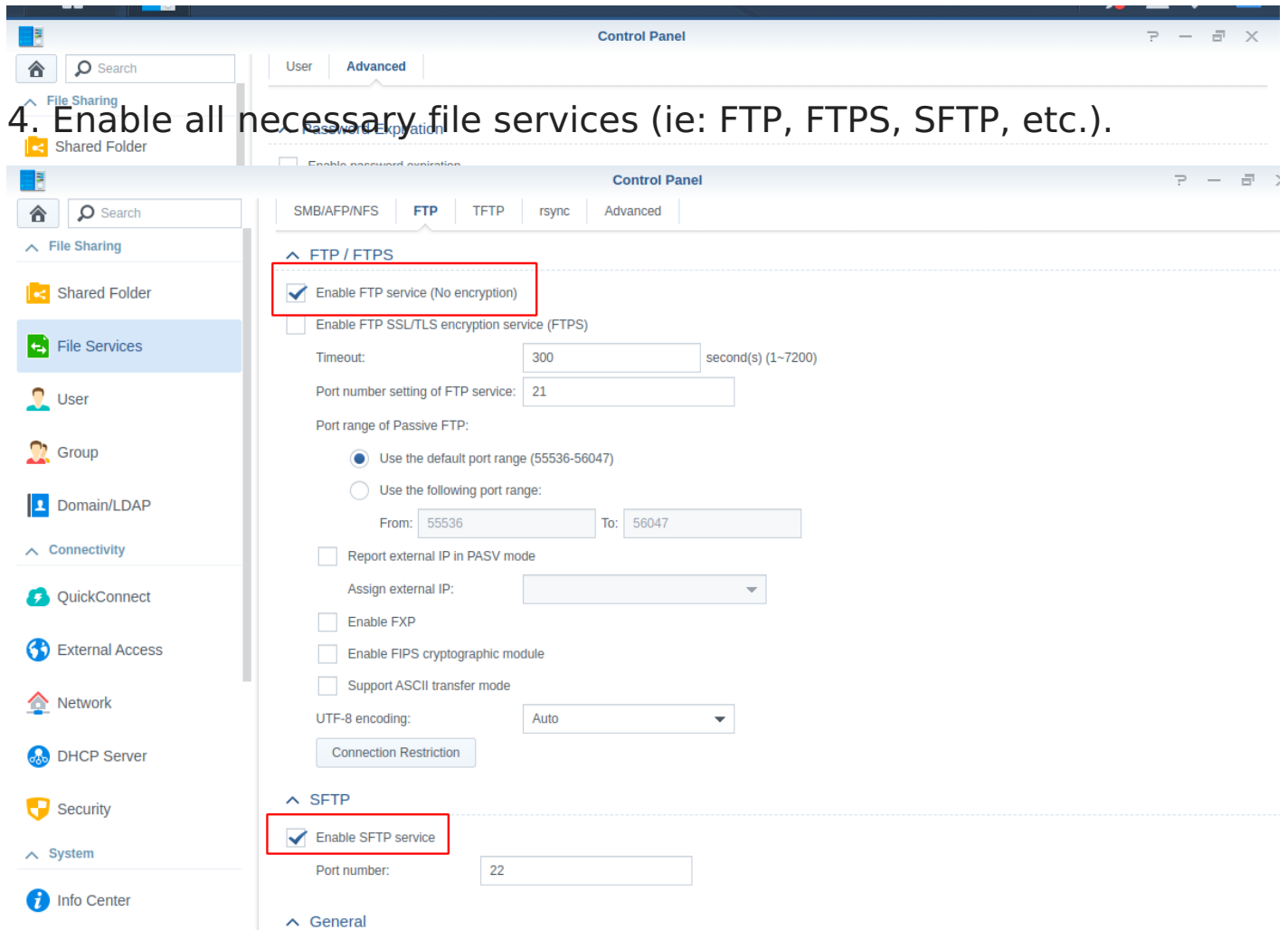


2. Make sure the partition is formatted in BTRFS



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

OK

Cancel

Control Panel

Home

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><input type="checkbox"/> Allow</div>	<div><input type="checkbox"/> 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

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1. Download the latest version of the module.

PHP 8.1

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```
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/

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

Servers

Edit Server

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

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

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

Module Name: PUQ Synology Server Group: None

• **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)

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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

Body: Product/Service

Unique Name

puqSynology Notification disk limit

Cancel Create

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)

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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

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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

DetailsPricingModule SettingsCustom FieldsConfigurable OptionsUpgradesFree DomainOtherLinks

Module NamePUQ Synology

Server GroupNone

• **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

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

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• **Link to instruction:** Link to the instruction, if filled out, it will be reflected in the client area

UnitGigaByteUnit of measure in the product (technical information)

Notification disk limit email template

Notification, used disk space X %90

Username prefixWill be attached to the beginning of username.

GroupA group on Synology that will be user-specific. In it we configure all limits and accesses

Save usage history (days)365

Link to instructionA link to the instruction will be reflected in the client area.