

# Installation and Configuration Guide

Step-by-step instructions for installing, configuring, and setting up the ownCloud WHMCS module, including ownCloud server preparation, WHMCS integration, email templates, and product configuration.

- [WHMCS setup \(install/update\)](#)
- [Setup guide: WHMCS setup](#)
- [Email Template \(puqownCloud notification disk limit\)](#)
- [Add server \(ownCloud server\)](#)
- [Product Configuration](#)

# WHMCS setup (install/update)

ownCloud module **WHMCS**

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## System requirements

Requirement	Minimum version
PHP	8.2 or higher
WHMCS	9.x or higher
ionCube Loader	v13 or newer (v14, v15)

“ **Note:** The module uses ionCube encoding. Make sure ionCube Loader is installed and active on your server.

## Download

The module can be ordered and downloaded from PUQ Cloud:

- **Order / Download:** <https://puqcloud.com/whmcs-module-owncloud.php>
- **FAQ:** <https://faq.puqcloud.com/>
- **Direct download link for the latest version:**

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/php82/PUQ_WHMCS-ownCloud-latest.zip
```

“ Older module versions for WHMCS 8 are available in PHP-specific directories:

- PHP 7.4: [https://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-ownCloud/php74/](https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/php74/)
- PHP 8.1: [https://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-ownCloud/php81/](https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/php81/)

After downloading, extract the archive:

```
unzip PUQ_WHMCS-ownCloud-latest.zip
```

# Installation

## Step 1: Upload files

Extract the module archive and copy the `puqownCloud` directory to the WHMCS servers module directory:

```
WHMCS_WEB_DIR/modules/servers/puqownCloud
```

## Step 2: Add server

Navigate to **System Settings** → **Servers** → **Add New Server**:

1. Enter the correct **Name** and **Hostname**
2. In Server Details, select the **PUQ ownCloud** module
3. Enter valid ownCloud web interface credentials (username and password)
4. Click **Test connection** to verify

## Step 3: Create product

Navigate to **System Settings** → **Products/Services** → **Create a New Product**:

1. Select the **PUQ ownCloud** module in the Module settings section
  2. Configure the product parameters
- 

# Update

## Step 1: Backup

Before updating, it is recommended to back up:

- WHMCS database
- Module files in `modules/servers/puqownCloud/`

## Step 2: Upload new files

Download and extract the new version, then overwrite all files in:

```
WHMCS_WEB_DIR/modules/servers/puqownCloud/
```

## Step 3: Verification

1. Log in to the WHMCS admin panel
2. Check the module is functioning correctly
3. Verify product settings

🔥 **Important (v3.0):** Product reconfiguration is required after updating to version 3.0.

# Setup guide: WHMCS setup

ownCloud module **WHMCS**

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- PHP 8.1: [https://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-ownCloud/php81/](https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/php81/)

## Step 1: Download the module

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/php82/PUQ_WHMCS-ownCloud-
```

```
latest.zip
```

---

## Step 2: Extract the archive

```
unzip PUQ_WHMCS-ownCloud-latest.zip
```

---

## Step 3: Copy module files

Copy the `|puqownCloud|` directory to:

```
WHMCS_WEB_DIR/modules/servers/
```

---

## Step 4: Add server in WHMCS

Navigate to **System Settings** → **Servers** → **Add New Server**

1. Enter the correct **Name** and **Hostname**
2. In the Server Details section, select the **PUQ ownCloud** module
3. Enter valid ownCloud web interface credentials (username and password)
4. Click **Test connection** to verify the connection

Name	owncloud-test.uuq.pl
Hostname	owncloud-test.uuq.pl
IP Address	
Assigned IP Addresses (One per line)	
Monthly Cost	0.00
Datacenter/NOC	
Maximum No. of Accounts	200
Server Status Address	To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/
Enable/Disable	<input type="checkbox"/> Check to disable this server

04-add-server-1.png

#### Server Details

Module	PUQ ownCloud <input type="button" value="Test Connection"/>
	✓ Connection successful. Some values have been auto-filled.
Username	whmcs
Password	.....
Access Hash	
Secure	<input checked="" type="checkbox"/> Check to use SSL Mode for Connections
Port	443 <input type="checkbox"/> Override with Custom Port

05-add-server-2.png

## Step 5: Create product in WHMCS

Navigate to **System Settings** → **Products/Services** → **Create a New Product**

Select the **PUQ ownCloud** module in the Module settings section.

Module Name	PUQ ownCloud
Server Group	owncloud
License key	success: 2026-05-02T15:11:09+02:00

### Disk

**Disk size**

Allocated disk space for Nextcloud in selected unit

**Disk unit**

Unit for the allocated disk space

---

### History & Group

**Save history (days)**

Number of days to keep usage statistics in WHMCS

**Group**

Group assigned to the user in Nextcloud

---

### Client Area

**Link to instruction**

A link to the instruction will be reflected in the client area.

**Show password**

Defines how the password is displayed in the client area

### Notifications

**Notify at %**

Threshold to notify the user about low disk space

**Email template**

Email template used for low disk space notifications

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### User

**Username rule**

Username template using macros.

**Base macros:**

{client\_id} - Client ID  
{service\_id} - Service ID

**Random macros:**

{random\_digit\_x} - Random digits, where x is length  
(example: {random\_digit\_4})  
{random\_letter\_x} - Random letters (A-Z, a-z), where x is length  
(example: {random\_letter\_6})

**Date & time macros:**

{unixtime}, {year}, {month}, {day}, {hour}, {minute}, {second}

**Example:**

{client\_id}-{service\_id}-{random\_digit\_4}

**Password rule**

Password generation rule in format `length:charset`.

Example:  
12:1234567890  
This will generate a 12-character password using the provided characters.

06-whmcs-setup.png

# Email Template

## (puqownCloud notification disk limit)

ownCloud module **WHMCS**

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## Creating the email template

Navigate to **System Settings** → **Email Templates** → **Create New Email Template**

## Template configuration

Parameter	Value
<b>Email Type</b>	Product/service
<b>Unique Name</b>	puqownCloud Notification disk limit

## Email subject

```
Disk space usage {$disk_used_percentage} % - {$username}
```

# Email 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}`

## Available template variables

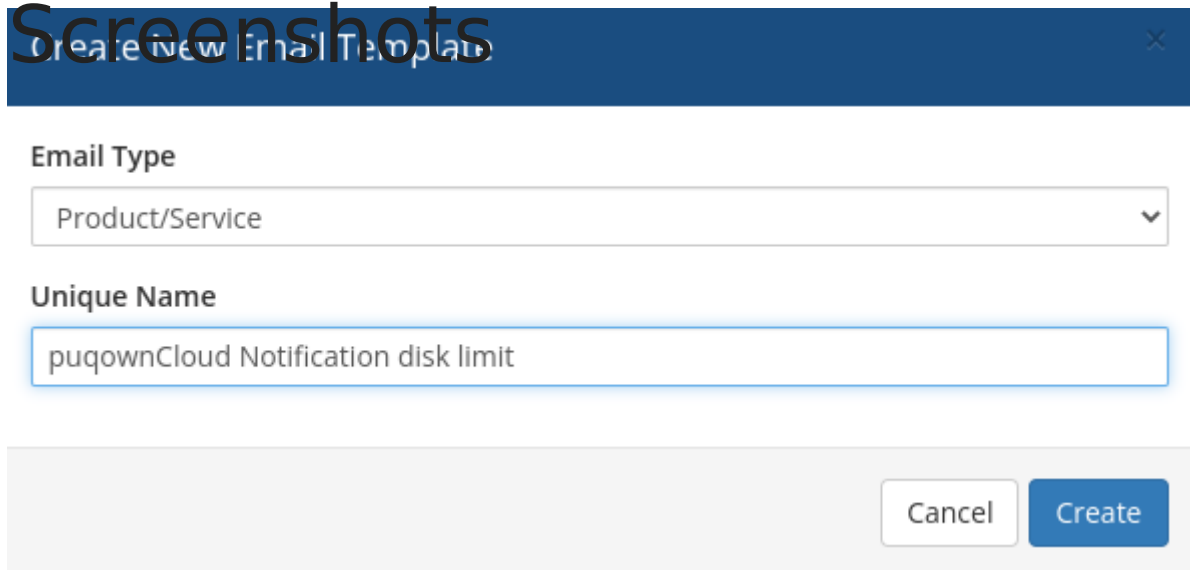
The following custom variables are passed to the email template by the module:

Variable	Description	Example
<code>{username}</code>	ownCloud username	john-42
<code>{disk_limit_bytes}</code>	Total disk quota in bytes	10737418240
<code>{unit_coefficient}</code>	Coefficient for unit conversion	1073741824
<code>{unit}</code>	Disk space unit	GB
<code>{disk_used_unit}</code>	Used disk space in configured unit	8.5
<code>{disk_free_unit}</code>	Free disk space in configured unit	1.5
<code>{disk_used_percentage}</code>	Used space as percentage	85
<code>{disk_free_percentage}</code>	Free space as percentage	15

In addition, all standard WHMCS product/service merge fields are available (e.g. `{client_name}`, `{service_product_name}`, `{service_next_due_date}`, `{signature}`).

**Note:** Notifications are sent automatically during the WHMCS daily cron execution when disk usage reaches the threshold configured in the product settings ("Notify at %").

## Screenshots



Create New Email Template

Email Type

Product/Service

Unique Name

puqownCloud Notification disk limit

Cancel Create



07-email-



template-1.png


















Subject:




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

File ▾ Edit ▾ View ▾ Insert ▾ Format ▾ Table ▾ Help ▾

Paragraph ▾ Verdana ▾ 11pt ▾ **B** *I* ~~S~~ U A ▾ **A** ▾  

 ▾  ▾

   |   |    |  ▾ |  |    |  |   | 

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

$\{\$signature\}$

55 WORDS POWERED BY TINYMCE 

08-email-template-2.png

# Add server (ownCloud server)

ownCloud module **WHMCS**

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## Adding an ownCloud server to WHMCS

Navigate to **System Settings** → **Servers** → **Add New Server**

---

### Step 1: General settings

Enter the correct **Name** and **Hostname** for your ownCloud server.

- **Name** — a descriptive name for the server (e.g. "ownCloud Production")
- **Hostname** — the domain name or IP address of your ownCloud installation (e.g. `cloud.example.com`)

If your ownCloud uses a non-standard port, enter it in the **Port** field. Check the **Secure** checkbox if your server uses HTTPS (recommended).

Name	<input type="text" value="owncloud-test.uuq.pl"/>
Hostname	<input type="text" value="owncloud-test.uuq.pl"/>
IP Address	<input type="text"/>
Assigned IP Addresses (One per line)	<input type="text"/>
Monthly Cost	<input type="text" value="0.00"/>
Datacenter/NOC	<input type="text"/>
Maximum No. of Accounts	<input type="text" value="200"/>
Server Status Address	<input type="text"/> To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. <a href="https://www.example.com/status/">https://www.example.com/status/</a>
Enable/Disable	<input type="checkbox"/> Check to disable this server

04-add-server-1.png

## Step 2: Module settings

1. In the Server Details section, select the **PUQ ownCloud** module from the dropdown
2. Enter valid credentials for the ownCloud web interface:
  - **Username** — ownCloud administrator username
  - **Password** — ownCloud administrator password
3. Click **Test connection** to verify the connection is working correctly

The test connection verifies that the module can reach the ownCloud OCS API (`/ocs/v1.php/cloud/users/`) and authenticate with the provided credentials.

## Server Details

Module	PUQ ownCloud	<input type="button" value="Test Connection"/>
	✓ Connection successful. Some values have been auto-filled.	
Username	whmcs	
Password	.....	
Access Hash		
Secure	<input checked="" type="checkbox"/> Check to use SSL Mode for Connections	
Port	443	<input type="checkbox"/> Override with Custom Port

05-add-server-2.png

“ **Important:** The ownCloud user must have **administrator privileges** to manage users via the API. The module uses the ownCloud OCS API v1 with HTTP Basic Authentication to create, modify, suspend, and delete user accounts.

# Product Configuration

ownCloud module **WHMCS**

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## Add new product to WHMCS

Navigate to **System Settings** → **Products/Services** → **Create a New Product**

Select the **PUQ ownCloud** module in the Module settings section.

## Configuration parameters

Parameter	Description
<b>License key</b>	A pre-purchased license key for the PUQ ownCloud module. The license must be active for correct operation. After saving, the verification status is displayed below the field.
<b>Disk size</b>	Allocated disk space for the ownCloud user. Set to <b>0</b> for unlimited quota. Minimum value: 0.
<b>Disk unit</b>	Unit used for the allocated disk space. Available options: <b>MB, GB, TB, PB</b> .
<b>Notify at %</b>	Disk usage threshold in percent (1-100). A notification email is sent when usage reaches this value. Default: <b>90</b> . Set to <b>0</b> to disable notifications.
<b>Email template</b>	Email template used for low disk space notifications. Select from available Product/service type email templates. The template must be created manually in WHMCS (see <a href="#">Email Template</a> page).
<b>Save history (days)</b>	Number of days to store disk usage statistics in WHMCS. Older records are automatically deleted during cron execution.

Parameter	Description
<b>Group</b>	ownCloud group assigned to the user on the server side. The group is created automatically if it does not exist. When changing packages, the user is removed from all groups and added to the new group.
<b>Username rule</b>	Rule for automatic username generation using macros (see below). Default: <code>{client_id}-{service_id}</code> .
<b>Password rule</b>	Password generation rule in <code>length: charset</code> format (see below). Default: <code>12: 123456789QAZWSXEDCRFTGBYHNUJMIKqazwsxedcr fvtgbyhnujmikol</code> .
<b>Link to instruction</b>	URL to instructions displayed as a button in the client area. Leave empty to hide the button.
<b>Show password</b>	Defines how the password is shown in the client area. Options: <b>Show button</b> (hidden by default, revealed on click), <b>Plain text</b> (always visible), <b>No</b> (hidden, no option to reveal).

## Username rule — available macros

The username is generated automatically when a new account is created. You can use the following macros:

Macro	Description	Example
<code>{client_id}</code>	WHMCS client ID	123
<code>{service_id}</code>	WHMCS service ID	456
<code>{unixtime}</code>	Current Unix timestamp	1707638400
<code>{year}</code>	Current year	2026
<code>{month}</code>	Current month (01-12)	02
<code>{day}</code>	Current day (01-31)	12
<code>{hour}</code>	Current hour (00-23)	14
<code>{minute}</code>	Current minute (00-59)	30
<code>{second}</code>	Current second (00-59)	45
<code>{random_digit_x}</code>	x random digits (0-9)	<code>{random_digit_4}</code> → 7394
<code>{random_letter_x}</code>	x random letters (A-Z, a-z)	<code>{random_letter_6}</code> → aBcDeF

### Examples:

- `{client_id}-{service_id}` → `123-456`
- `oc-{random_digit_6}` → `oc-384729`
- `user-{client_id}-{random_letter_4}` → `user-123-aBCD`

“ **Note:** If the generated username already exists on the ownCloud server, the module automatically appends a counter: `username-1`, `username-2`, etc.

## Password rule — format

The password rule uses the format `length: charset`, where:

- **length** — number of characters to generate
- **charset** — set of characters to use

### Examples:

- `12: abcdefghijklmnopqrstuvwxyz0123456789` — 12 lowercase alphanumeric characters
- `16: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789` — 16 mixed-case alphanumeric
- `20: 0123456789` — 20 digits only

“ If no rule is specified, a 12-character password is generated from a default character set.

## Important notes

“ **Warning:** This module works only as a **server module** (Products/Services). It cannot be used as an addon product. Attempting to use it with addon products will result in an error.

# Screenshot

Module Name	PUQ ownCloud
Server Group	owncloud
License key	success: 2026-05-02T15:11:09+02:00

### Disk

**Disk size**

Allocated disk space for Nextcloud in selected unit

**Disk unit**

Unit for the allocated disk space

### History & Group

**Save history (days)**

Number of days to keep usage statistics in WHMCS

**Group**

Group assigned to the user in Nextcloud

### Client Area

**Link to instruction**

A link to the instruction will be reflected in the client area.

**Show password**

Defines how the password is displayed in the client area

### Notifications

**Notify at %**

Threshold to notify the user about low disk space

**Email template**

Email template used for low disk space notifications

### User

**Username rule**

Username template using macros.

**Base macros:**

- {client\_id} - Client ID
- {service\_id} - Service ID

**Random macros:**

- {random\_digit\_x} - Random digits, where x is length (example: {random\_digit\_4})
- {random\_letter\_x} - Random letters (A-Z, a-z), where x is length (example: {random\_letter\_6})

**Date & time macros:**

- {unixtime}
- {year}
- {month}
- {day}
- {hour}
- {minute}
- {second}

**Example:**

**Password rule**

Password generation rule in format `length:charset`.

**Example:**

This will generate a 12-character password using the provided characters.

09-product-configuration.png