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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 Installation and Update
- Setup guide: WHMCS setup
- Email Template (puqownCloud notification disk limit)
- Add server (ownCloud server)
- Product Configuration

WHMCS Installation and Update

ownCloud module **WHMCS**

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System requirements

Requirement	Minimum
WHMCS	8.x+, 9.x+
PHP	7.4, 8.1, 8.2, 8.3, 8.4
ownCloud	10.x+
ionCube Loader	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 Module:** https://puqcloud.com/whmcs-module-owncloud.php
- **Documentation:** https://doc.puq.info/books/owncloud-whmcs-module
- **All Versions / Download:** https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/

- **Support:** https://puqcloud.com/submitticket.php
- **Community:** https://community.puqcloud.com/
- **Direct download link for the latest version:**

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

> All versions can be found at this link:
> https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/
>
> Older module versions for WHMCS 8 are available in the archive directory:
> https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ownCloud/archive/

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
```

Once the files are uploaded, proceed to the WHMCS Setup Guide to configure the server and product.

Update

The update procedure is the same as installation — replace the existing files with the new version:

1. Download the latest version as described in the Download section.

2. Unzip the archive.
3. Replace the existing `WHMCS_WEB_DIR/modules/servers/puqownCloud` directory with the new one.
4. Verify the version number in the module interface matches the new release.

Setup guide: WHMCS setup

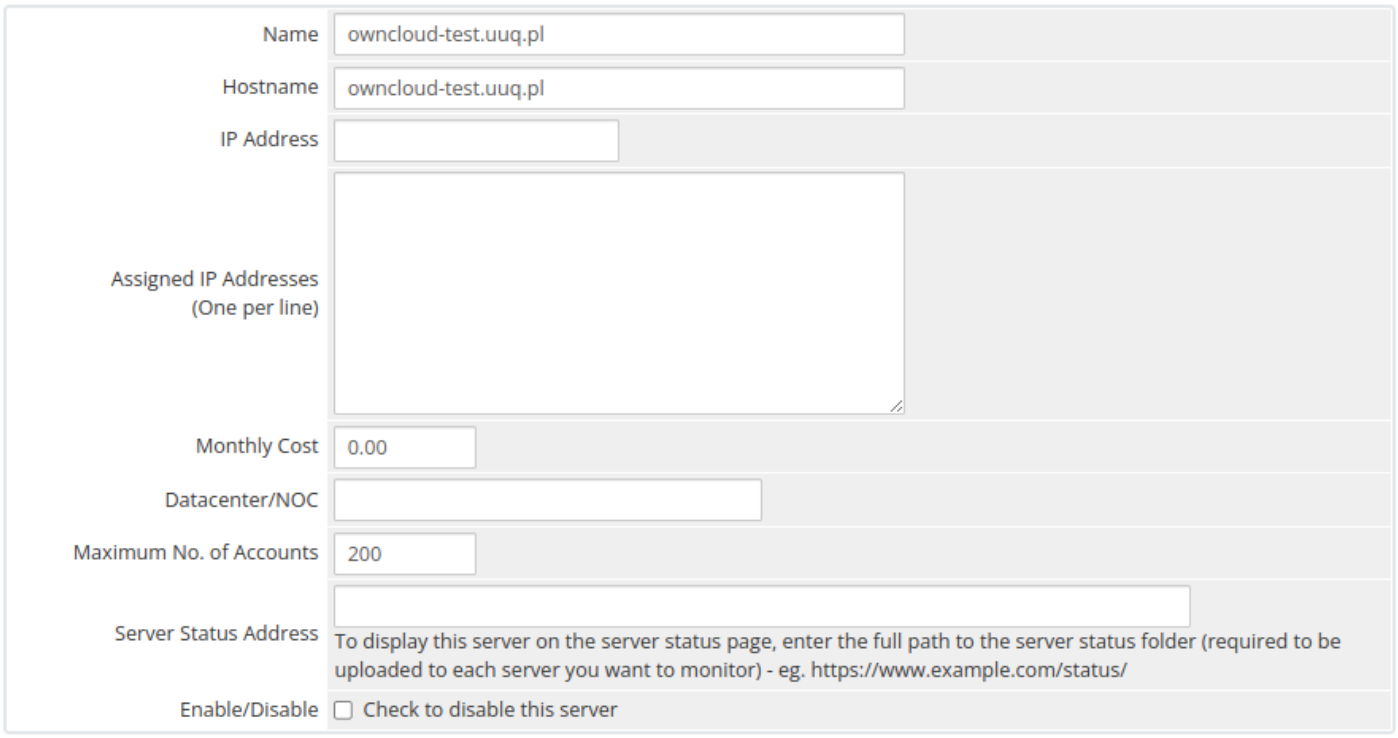
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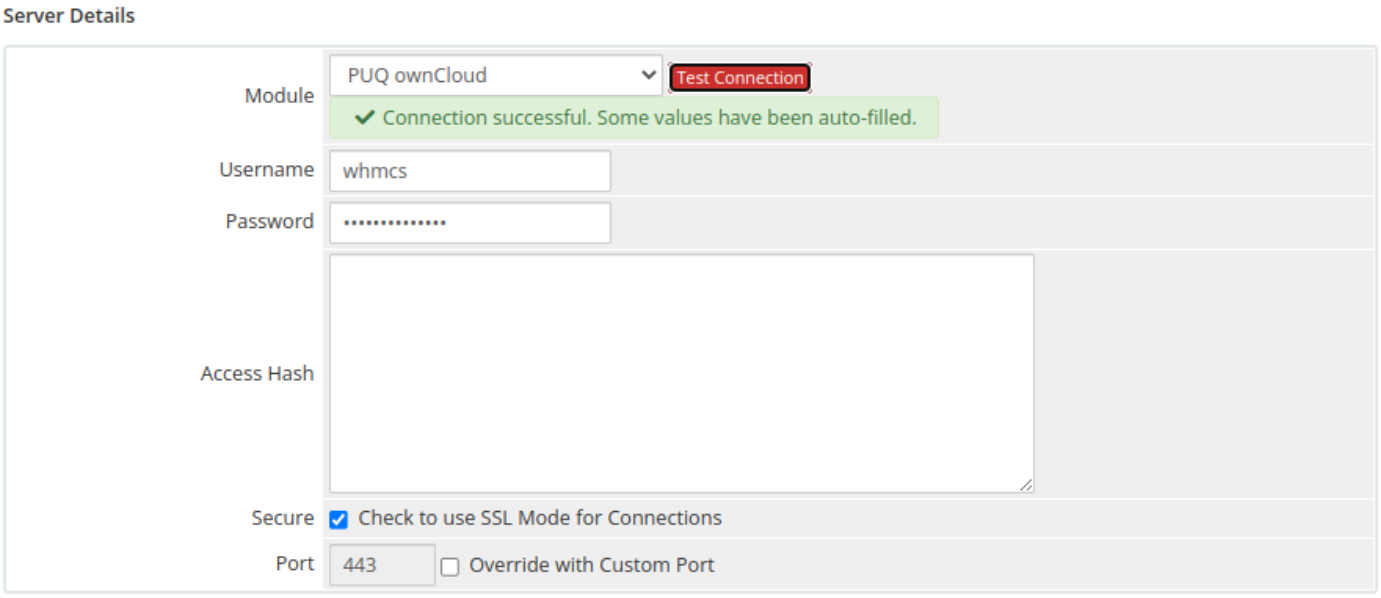
Step 1: Add server in WHMCS

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



04-add-server-1.png

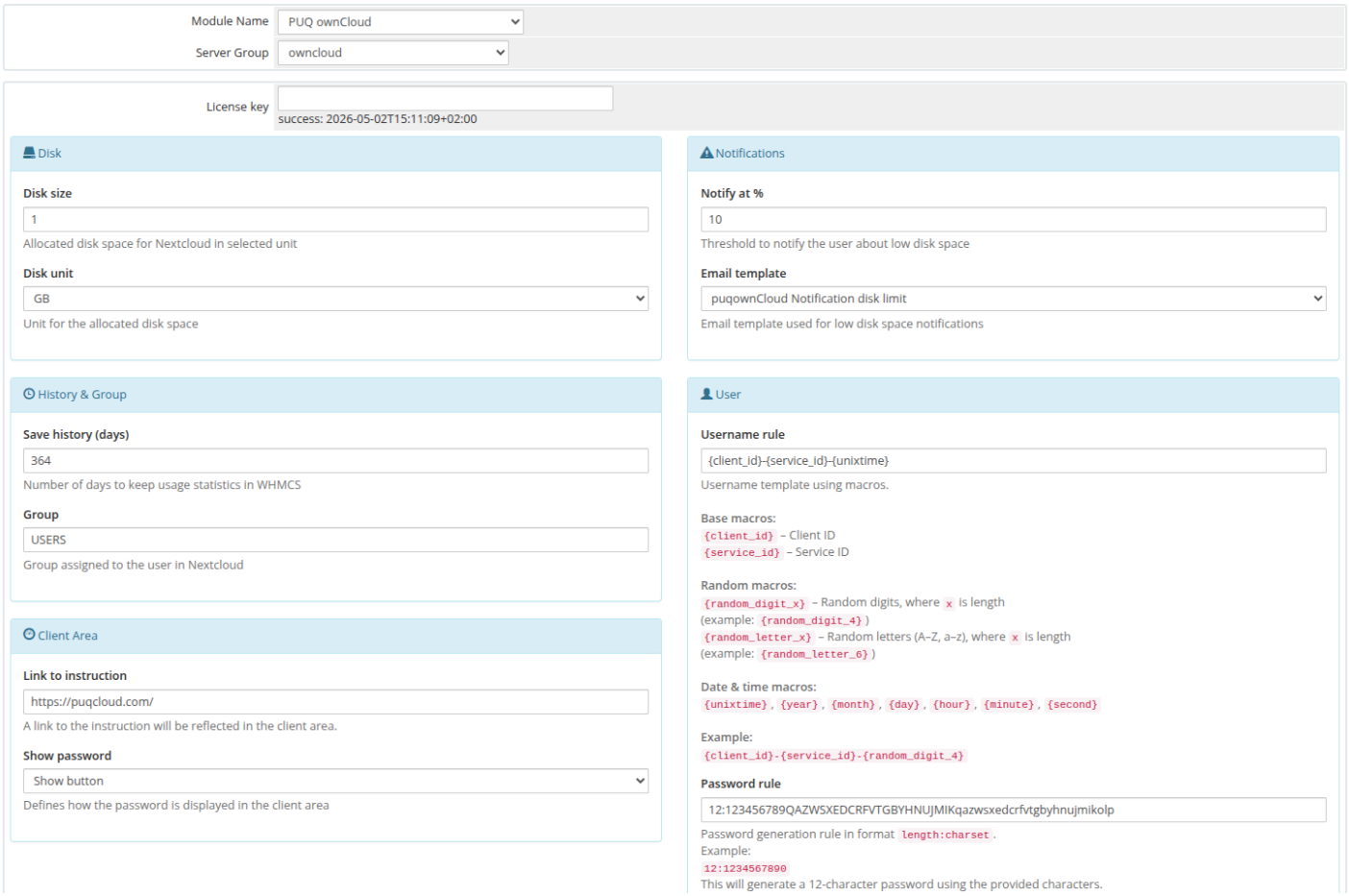


05-add-server-2.png

Step 2: Create product in WHMCS

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

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



06-whmcs-setup.png

Email Template (puqownCloud notification disk limit)

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Creating the email template

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

Template configuration

Parameter	Value
Email Type	Product/service
Unique Name	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

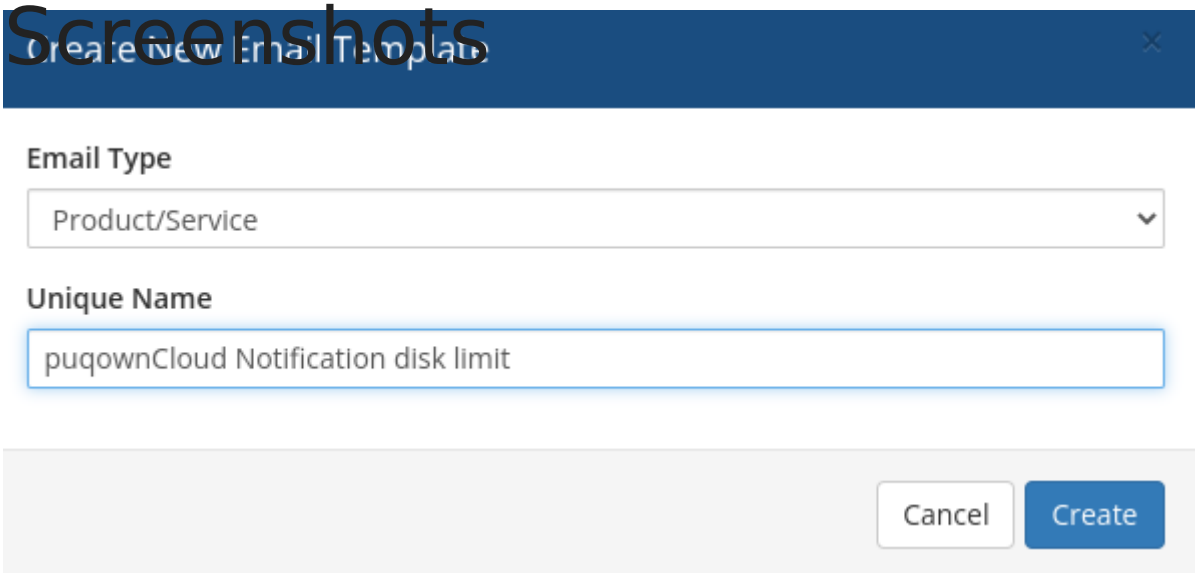
The following custom variables are passed to the email template by the module:

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



07-email-template-1.png

Subject:

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

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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)

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Adding an ownCloud server to WHMCS

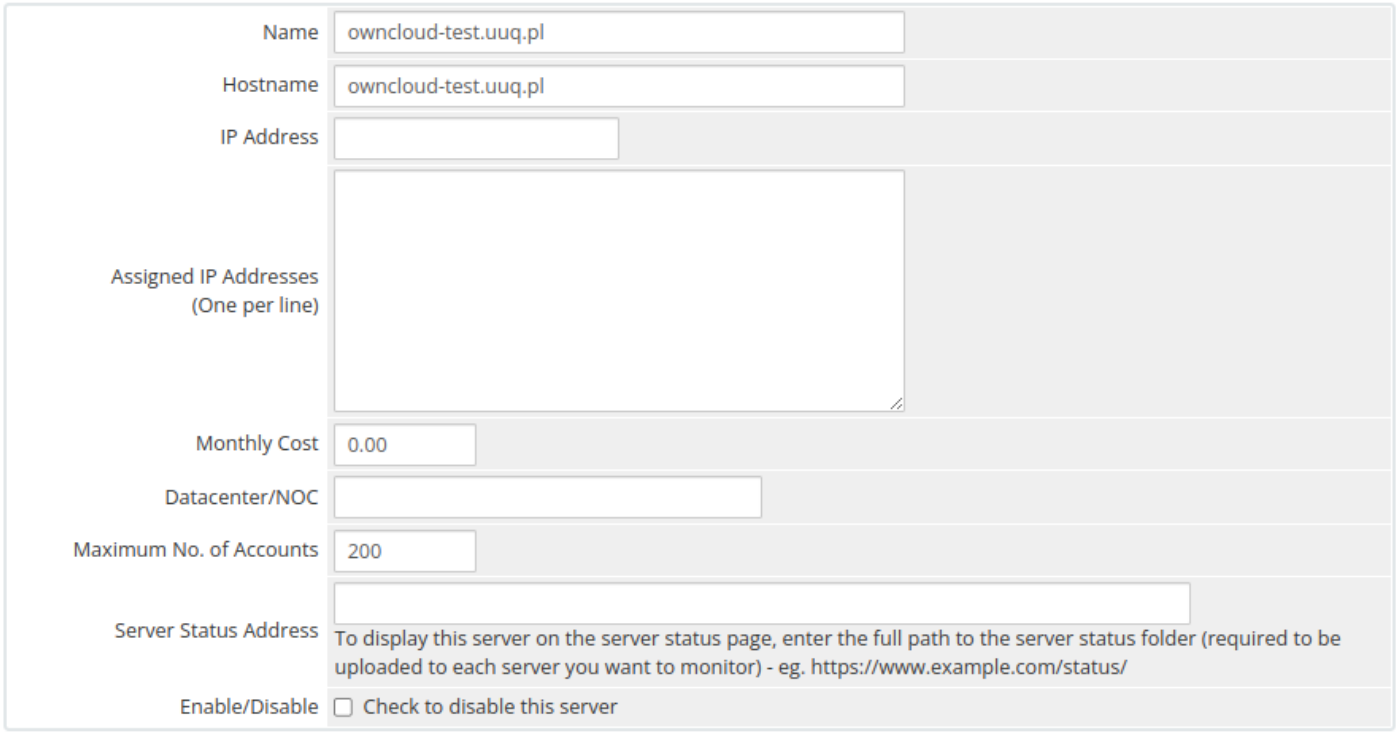
Navigate to **System Settings → Servers → Add New Server**

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).

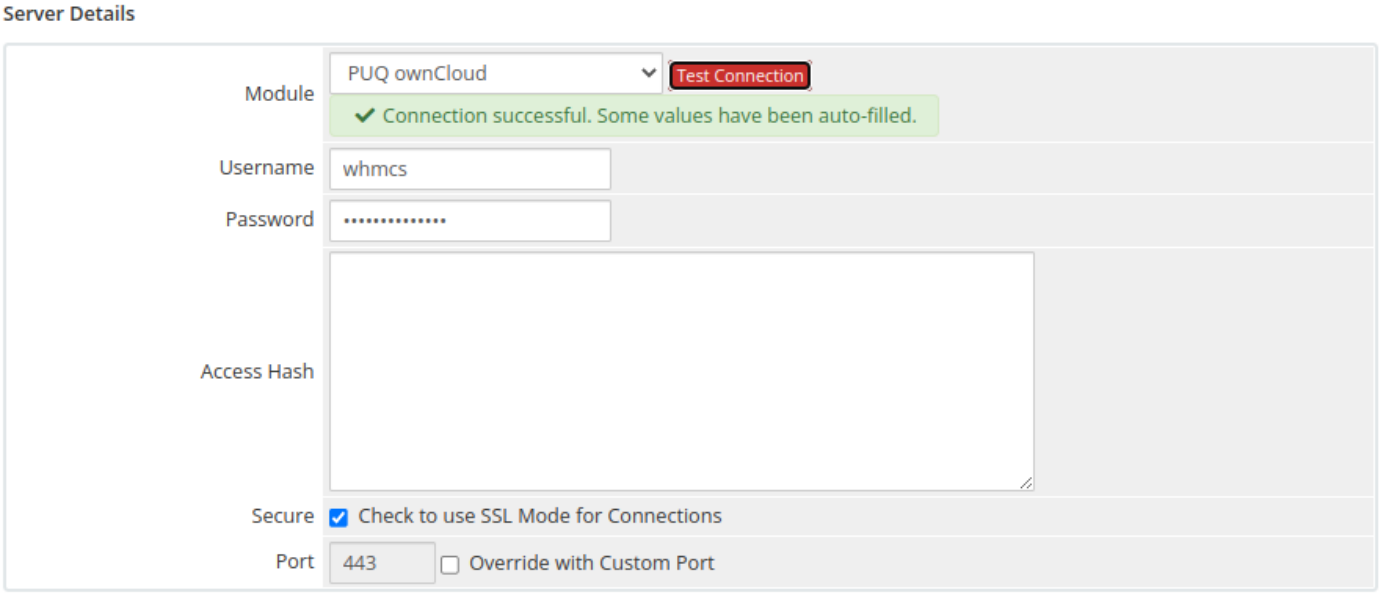


04-add-server-1.png

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.



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
License key	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.
Disk size	Allocated disk space for the ownCloud user. Set to **0** for unlimited quota. Minimum value: 0.
Disk unit	Unit used for the allocated disk space. Available options: **MB**, **GB**, **TB**, **PB**.
Notify at %	Disk usage threshold in percent (1–100). A notification email is sent when usage reaches this value. Default: **90**. Set to **0** to disable notifications.
Email template	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 Email Template page).
Save history (days)	Number of days to store disk usage statistics in WHMCS. Older records are automatically deleted during cron execution.

Parameter	Description
Group	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.
Username rule	Rule for automatic username generation using macros (see below). Default: `{client_id}-{service_id}`.
Password rule	Password generation rule in `length:charset` format (see below). Default: `12:123456789QAZWSXEDCRFVTGBYHNUJMIKqazwsxedcrfvtgbyhnujmikol` .
Link to instruction	URL to instructions displayed as a button in the client area. Leave empty to hide the button.
Show password	Defines how the password is shown in the client area. Options: **Show button** (hidden by default, revealed on click), **Plain text** (always visible), **No** (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
`{client_id}`	WHMCS client ID	123
`{service_id}`	WHMCS service ID	456
`{unixtime}`	Current Unix timestamp	1707638400
`{year}`	Current year	2026
`{month}`	Current month (01–12)	02
`{day}`	Current day (01–31)	12
`{hour}`	Current hour (00–23)	14
`{minute}`	Current minute (00–59)	30
`{second}`	Current second (00–59)	45
`{random_digit_x}`	x random digits (0–9)	`{random_digit_4}` → 7394
`{random_letter_x}`	x random letters (A–Z, a–z)	`{random_letter_6}` → 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:

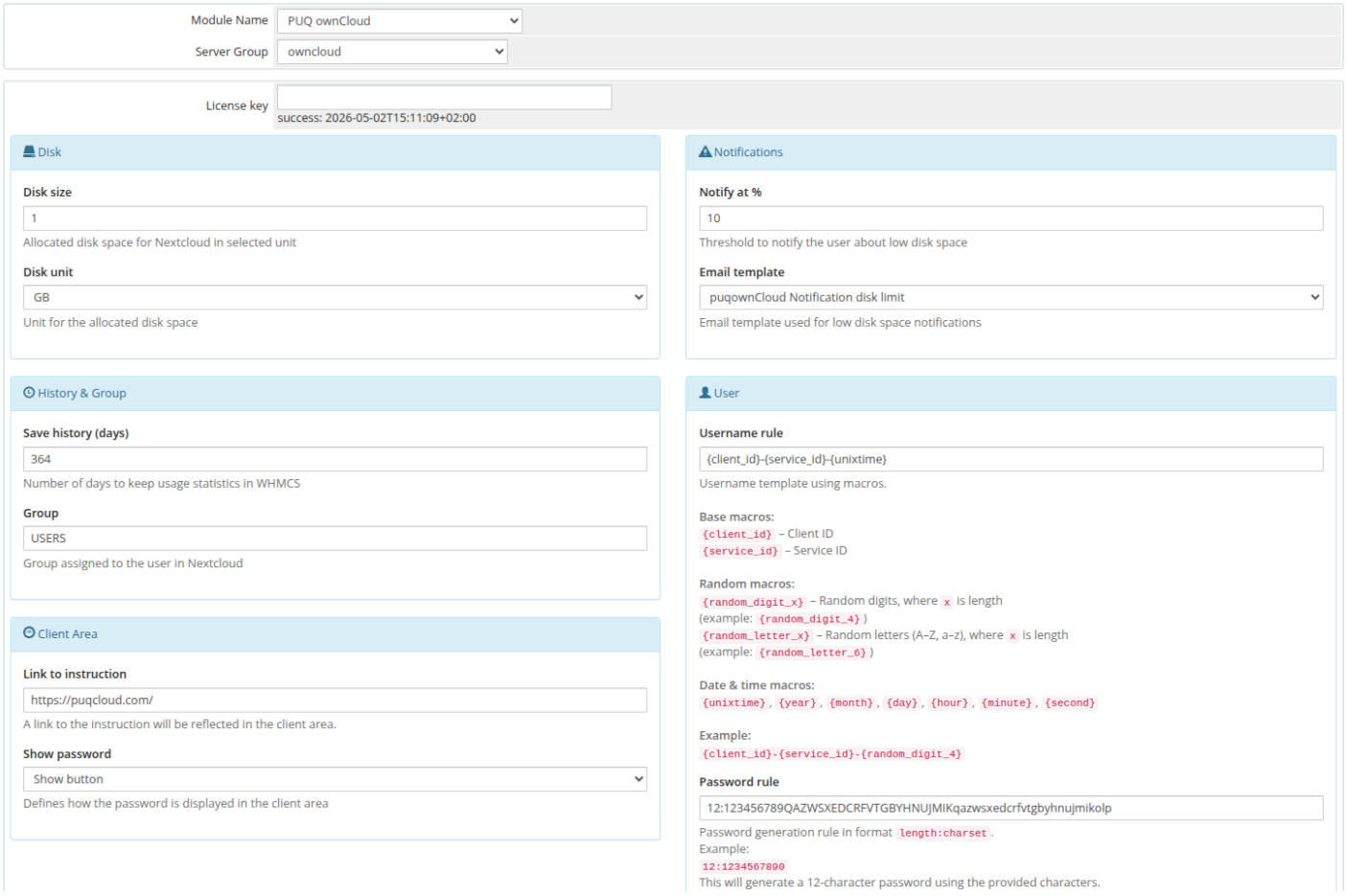
- `12:abcdefghijklmnopqrstuvwxyz0123456789` — 12 lowercase alphanumeric characters
- `16:ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789` — 16 mixed-case alphanumeric
- `20:0123456789` — 20 digits only

> 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



09-product-configuration.png