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Nextcloud WHMCS module

WHMCS module for Nextcloud that automates the provisioning and management of Nextcloud user accounts. The module supports automatic account creation, suspension, termination, password management, disk usage monitoring, and email notifications for disk space limits.

- Description
- Changelog
- Installation and Configuration Guide
  - WHMCS Installation and Update
  - Setup guide: Nextcloud setup
  - Setup guide: WHMCS setup
  - Email Template (puqNextcloud notification disk limit)
  - Add server (Nextcloud server)
  - Product Configuration
- Client Area
  - Home screen
  - Email notification
  - Disk statistics
- Admin Area
  - Product Information

Description

Nextcloud module **WHMCS**

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Nextcloud WHMCS module

The Nextcloud WHMCS module is a provisioning module that integrates WHMCS with Nextcloud servers, enabling cloud service providers to offer Nextcloud-based accounts to their customers. The module automates the full lifecycle of user account management through API integration with Nextcloud.

Main features

- **Automatic account provisioning** — auto create and deploy client Nextcloud accounts upon order activation
- **Account lifecycle management** — create, suspend, unsuspend, terminate, change password, and change package (upgrade/downgrade) for Nextcloud user accounts
- **Disk usage monitoring** — track and display disk usage statistics with historical data and configurable retention period
- **Email notifications** — automatic notifications when disk usage exceeds configurable thresholds, sent via WHMCS cron
- **Multi-language support** — 25 languages including Arabic, Catalan, Chinese, Croatian, Czech, Danish, Dutch, Estonian, Farsi, French, German, Hebrew, Hungarian, Italian, Macedonian, Norwegian, Polish, Romanian, Russian, Spanish, Swedish, Turkish, and Ukrainian
- **Client area integration** — customers can view server address, credentials with copy-to-clipboard, disk usage pie chart, usage statistics, and access user manual
- **Admin area tools** — administrators can view license status, API connection status, user details (username, enabled status, group, email), and disk usage with visual progress bar
- **Configurable username/password rules** — flexible rules for automatic username and password generation using macros ({client_id}, {service_id}, {random_digit_x}, {random_letter_x}, date/time macros)

- **Group management** — assign Nextcloud groups to users on the server side, automatic group creation
- **Unlimited quota support** — set disk size to 0 for unlimited storage
- **License verification** — built-in license system with online/offline verification and admin alerts

---

System requirements

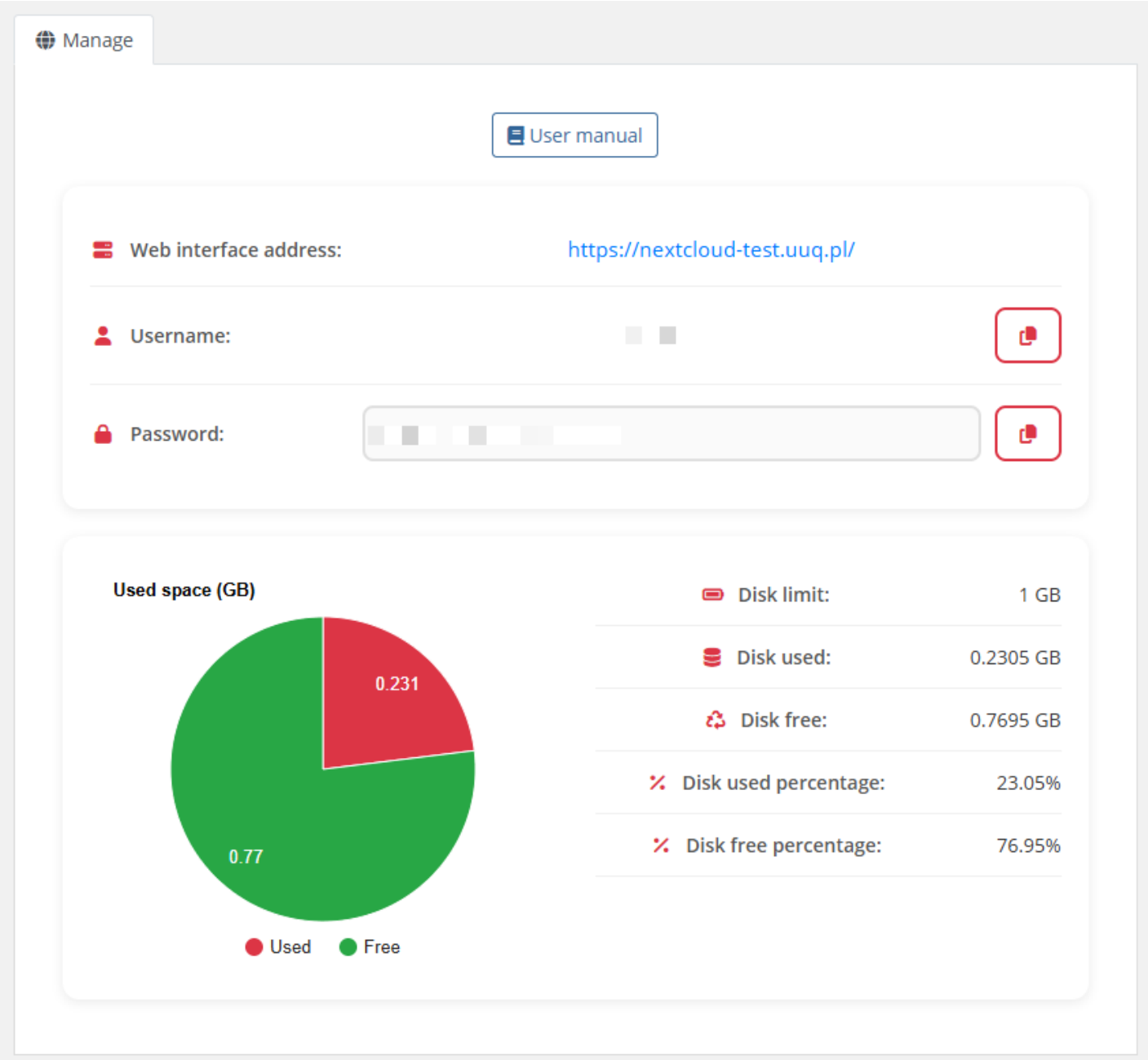
Requirement	Minimum
WHMCS	8.x+, 9.x+.
PHP	7.4, 8.1, 8.2, 8.3, 8.4
Nextcloud	20+
ionCube Loader	v15+

Links

- **Product page:** https://puqcloud.com/whmcs-module-nextcloud.php
- **Documentation:** https://doc.puq.info/books/nextcloud-whmcs-module
- **Support:** https://puqcloud.com/submitticket.php
- **Community:** https://community.puqcloud.com/

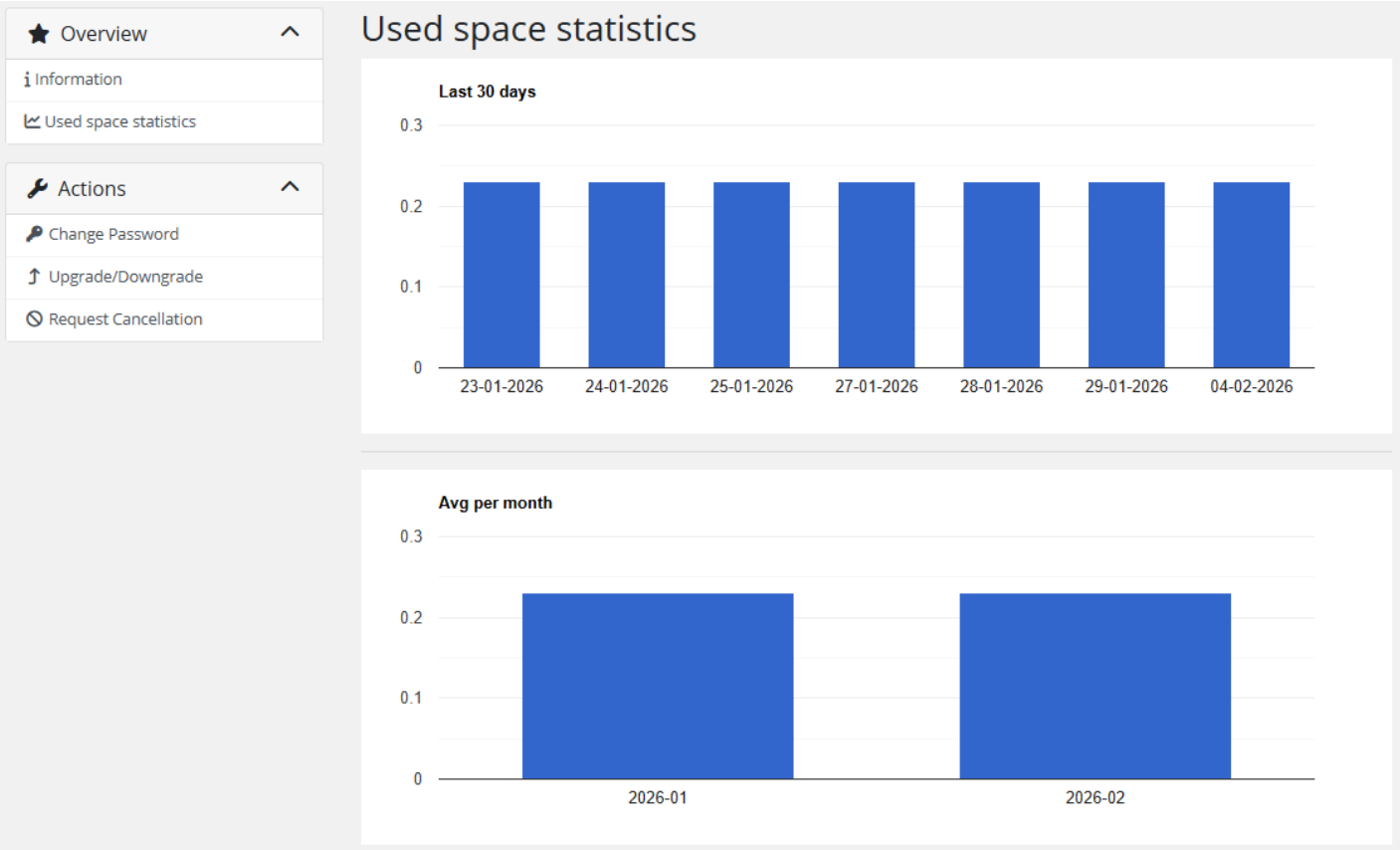
Screenshots

Client area — Home screen



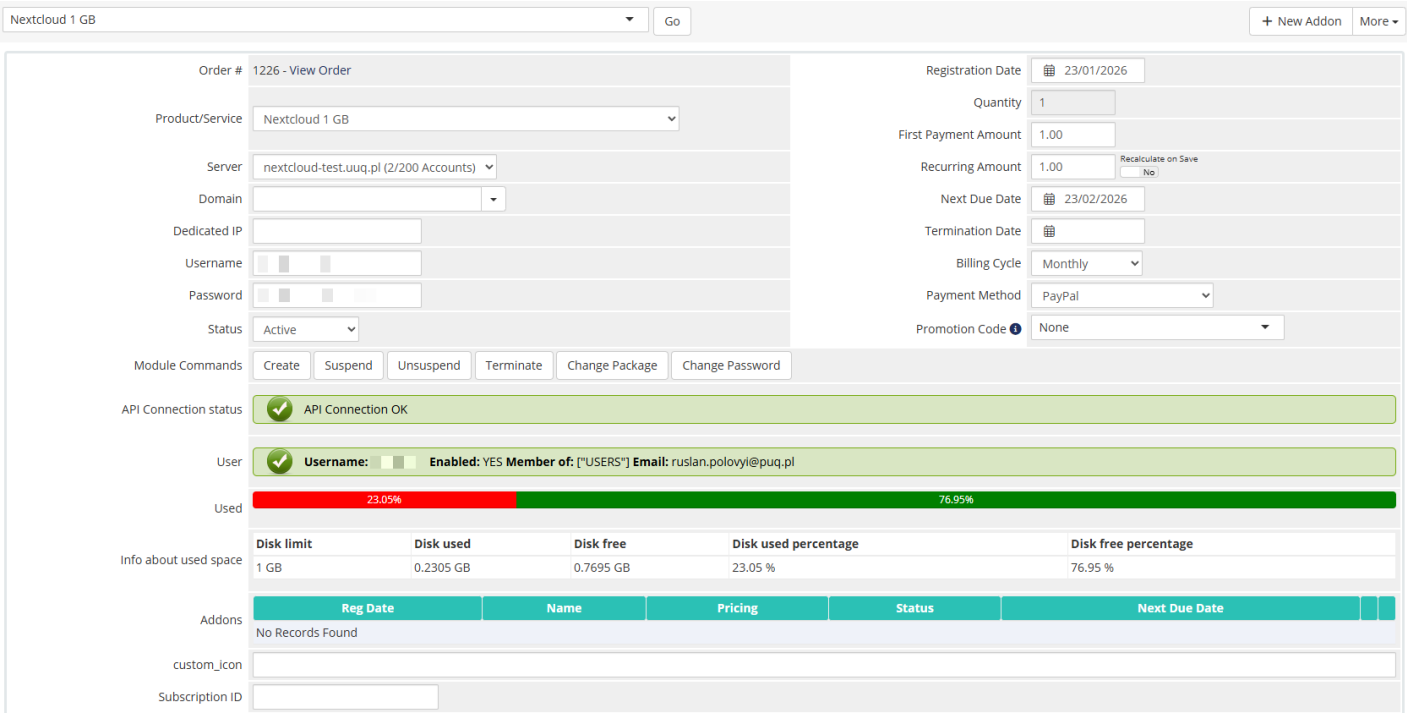
01-description-client-area.png

Client area — Disk statistics



02-description-disk-stats.png

Admin area — Product information



03-description-admin-area.png

Changelog

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v4.1.0 (30-09-2026)

- **Isolated Cron Synchronization & Disk Monitoring.** Scheduled disk statistics and usage calculations are now individually protected for each Nextcloud service with dedicated error logging. Temporary server unreachability or API timeouts will never abort the daily WHMCS cron job.
- **Strict PHP 8.2+ Compatibility & Type Hardening.** Fully typed property assignments across usage history and quota limits, preventing unexpected type errors on PHP 8.1, 8.2, and 8.3 environments.
- **Zero-Touch Settings Auto-Migration.** Existing Nextcloud products automatically upgrade their configuration options into modern unified settings (`configoption24`) directly in the database without manual updates.
- **Enhanced WHMCS 9 Select2 UX & Hook Resilience.** Sidebar menu hooks and admin alerts are guarded by error boundaries, and dynamic settings injection has been upgraded for seamless compatibility with Select2 in WHMCS 9.
- **Clean Module Logging.** Excluded repetitive local database license verification checks (`License_Verification (db)`) from the WHMCS Module Log, logging exclusively online verification transactions to keep diagnostic logs clean.

---

v4.0.0 (02-09-2026)

- Full compatibility with WHMCS 8.x and WHMCS 9+
- Universal **ionCube Loader v15** support for seamless encoding compatibility
- Modernized administrative product settings interface with dynamic injection and enhanced stability
- Improved client area responsiveness and user session management
- Performance optimizations and enhanced error recovery during automated provisioning

tasks

---

v3.1 (01-03-2026)

- Added null coalescing checks for all array and superglobal accesses to prevent "Undefined array key" warnings
- Added null-safe operators for object property access where object can be null
- Fixed type safety for typed class properties (preventing `TypeError` on null assignment)
- Added boundary checks for empty database query results

---

v3.0 (21-01-2026)

- Support for WHMCS 9+
- Redesigned product module settings
- Updated client area interface design

> **Note:** Product reconfiguration is required after update.

---

v2.1 (31-07-2025)

- Fixed bug with uninitialized statistics data variables causing critical errors on statistics page (PHP 8.x)

---

v2.0 (23-09-2024)

- Module coded with ionCube v15
- Supported PHP versions: 7.4, 8.1, 8.2
- Compatible with WHMCS 8.11.0+

---

v1.5.1 (13-08-2024)

- Fixed password display bug when "Show password" set to "no"

---

v1.5 (06-06-2024)

- Mobile-optimized client area
- Added copy buttons for login and password credentials

---

v1.4 (21-12-2023)

- Support for Nextcloud Hub 7 (28.0.0)
- Server URL display with non-standard ports
- Password visibility toggle options
- Plain text password display capability

---

v1.3 (09-10-2023)

- Critical bug fix for incorrect client data
- Support for Nextcloud Hub 6 27.1.2
- 25 language translations added

---

v1.2 (05-03-2023)

- PHP 8.1 and 7.4 support
- Nextcloud Hub 3 v25 compatibility
- Template improvements with icons
- API timeout set to 30 seconds

v1.1 (05-01-2023)

- WHMCS V8.6 support
- IonCube PHP Loader v15 compatibility
- PHP 8.1 support
- Dropdown menu for email template selection
- Package change bug fix

v1.0 (01-08-2022)

- First release

Installation and Configuration Guide

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

WHMCS Installation and Update

Nextcloud 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
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 / Download:** https://puqcloud.com/whmcs-module-nextcloud.php
- **Community:** https://community.puqcloud.com/
- **Direct download link for the latest version:**

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

```
latest.zip
```

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

After downloading, extract the archive:

```
unzip PUQ_WHMCS-Nextcloud-latest.zip
```

Installation

Upload files

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

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

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/puqNextcloud` directory with the new one.
4. Verify the version number in the module interface matches the new release.

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

Setup guide: Nextcloud setup

Nextcloud module **WHMCS**

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Nextcloud including Nextcloud Office on Debian10 with nginx, MariaDB, PHP 8.1, Let's Encrypt, Redis, Fail2ban and ufw

This guide covers the complete installation and configuration of a Nextcloud server from scratch on Debian, including all required components.

---

1. Preparation and installation of nginx web server

Install required packages:

```
apt-get install -y \
  curl wget git apt-transport-https gnupg2 \
```

```
  imagemagick libmagickcore-6.q16-6 libmagickwand-6.q16-6 \
  software-properties-common dirmngr lsb-release ca-certificates \
  unzip
```

Configure hostname

Edit `/etc/hosts` with server IP and FQDN:

```
127.0.0.1 localhost
YOUR_SERVER_IP your.domain.com
```

Edit `/etc/hostname`:

```
your.domain.com
```

Reboot the system:

```
reboot
```

Install nginx

Add the nginx repository and install:

```
apt-get install -y nginx
```

Remove conflicting web servers:

```
apt-get remove -y apache2
```

Enable and start nginx:

```
systemctl enable nginx
systemctl start nginx
```

Configure nginx

Backup the default configuration and create a custom one:

```
cp /etc/nginx/nginx.conf /etc/nginx/nginx.conf.bak
```

Key nginx.conf settings include:

- Worker processes and connections
- JSON-formatted logging
- Real IP handling
- File caching parameters
- Security headers

Create required directories:

```
mkdir -p /var/log/nextcloud /var/nc_data /var/www/letsencrypt/.well-known/acme-challenge
/etc/letsencrypt/rsa-certs /etc/letsencrypt/ecc-certs
```

---

2. Installation and configuration of PHP 8.1 (FPM)

Install PHP packages:

```
apt-get install -y \
  php-common php8.1-fpm php8.1-gd php8.1-curl php8.1-xml \
  php8.1-zip php8.1-intl php8.1-mbstring php8.1-bz2 \
  php8.1-ldap php8.1-apcu php8.1-bcmath php8.1-gmp \
  php8.1-imagick php8.1-igbinary php8.1-mysql php8.1-redis \
  php8.1-smbclient php8.1-cli php8.1-opcache php8.1-readline \
  imagemagick
```

Optional packages for LDAP/Samba:

```
apt-get install -y ldap-utils nfs-common cifs-utils
```

Configure timezone

```
timedatectl set-timezone Europe/Warsaw
```

Key PHP optimizations

Backup and configure PHP settings:

- **Memory limit:** 1G
- **Max execution time:** 3600 seconds
- **Upload max filesize:** 10G
- **Post max size:** 10G
- **OPCache enabled:** memory 256MB, max files 100000
- Session cookie security enabled
- ImageMagick policy permissions updated for PS, EPS, PDF, XPS files

---

3. Installation and configuration of MariaDB 10.8

Database security hardening

```
mysql_secure_installation
```

- Set root password
- Remove anonymous users
- Disable remote root login
- Remove test database

Database configuration

Custom MariaDB configuration (`/etc/mysql/my.cnf`):

- Character set: utf8mb4
- Default storage engine: InnoDB
- Max connections: 200
- Binlog format: ROW
- Transaction isolation: READ-COMMITTED

Create Nextcloud database

```
CREATE DATABASE nextclouddb CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci;
CREATE USER nextclouddbuser@localhost identified by 'nextclouddbpassword';
GRANT ALL PRIVILEGES on nextclouddb.* to nextclouddbuser@localhost;
FLUSH privileges;
```

> **Important:** Replace `nextclouddbpassword` with a strong password.

---

4. Installing and configuring Redis

Install and configure Redis:

```
apt-get install -y redis-server
```

Configuration:

- Port: disabled (set to 0)
- Unix socket enabled with permissions 770
- Max clients: 10240

```
usermod -aG redis www-data
```

Set kernel parameter:

```
echo "vm.overcommit_memory = 1" >> /etc/sysctl.conf
```

> Reboot the system before Nextcloud installation.

---

5. Installation and optimization of

Nextcloud (incl. SSL)

Certbot and Let's Encrypt setup

```
apt-get install -y certbot python3-certbot-nginx
```

nginx vhost configuration

Create `/etc/nginx/conf.d/nextcloud.conf` with:

- Upstream handler: PHP-FPM socket
- HTTP to HTTPS redirect
- SSL certificates from Let's Encrypt
- TLS 1.2 and 1.3 protocols
- Client max body size: 10G
- GZIP compression
- Security headers (HSTS, X-Frame-Options, etc.)
- Nextcloud-specific location blocks

Generate SSL certificate

```
certbot --nginx -d yourdomain.com
```

Auto-renewal crontab:

```
0 12 * * * /usr/bin/certbot renew --quiet
```

Install Nextcloud

Download and verify:

```
cd /usr/local/src
wget https://download.nextcloud.com/server/releases/latest.zip
wget https://download.nextcloud.com/server/releases/latest.zip.md5
md5sum -c latest.zip.md5 < latest.zip
```

Extract and set permissions:

```
unzip latest.zip -d /var/www
chown -R www-data:www-data /var/www/nextcloud
```

Silent installation

```
sudo -u www-data php /var/www/nextcloud/occ maintenance:install \
  --database "mysql" \
  --database-name "nextclouddb" \
  --database-user "nextclouddbuser" \
  --database-pass "nextclouddbpassword" \
  --admin-user "YourNextcloudAdmin" \
  --admin-pass "YourNextcloudAdminPassword" \
  --data-dir "/var/nc_data"
```

Configure trusted domain

```
sudo -u www-data php /var/www/nextcloud/occ config:system:set trusted_domains 0 --
value=your.domain.com
```

CLI URL configuration

```
sudo -u www-data php /var/www/nextcloud/occ config:system:set overwrite.cli.url --
value=https://your.domain.com
```

Extended configuration

Create `/var/www/nextcloud/config/tweaks.config.php` with settings including:

- Activity expiration: 14 days
- Authentication bruteforce protection enabled
- Blacklisted files: .htaccess, Thumbs.db
- Default phone region
- Preview providers: PNG, JPEG, GIF, BMP, PDF, MP3, TXT, MarkDown
- Redis configuration with Unix socket
- Trashbin retention: auto, 7 days

- Logging: file at `/var/log/nextcloud/nextcloud.log`, level 2
- Log rotation: 100MB

App management

```
sudo -u www-data php /var/www/nextcloud/occ app:disable survey_client
sudo -u www-data php /var/www/nextcloud/occ app:disable firstrunwizard
sudo -u www-data php /var/www/nextcloud/occ app:enable admin_audit
sudo -u www-data php /var/www/nextcloud/occ app:enable files_pdfviewer
```

Optional Nextcloud Office installation:

```
sudo -u www-data php /var/www/nextcloud/occ app:install richdocuments
sudo -u www-data php /var/www/nextcloud/occ app:install richdocumentscode
```

Restart services

```
systemctl stop nginx php8.1-fpm
systemctl restart mysql php8.1-fpm redis nginx
```

Set up cron

As www-data user:

```
*/5 * * * * php -f /var/www/nextcloud/cron.php > /dev/null 2>&1
```

Reconfigure to cron mode:

```
sudo -u www-data php /var/www/nextcloud/occ background:cron
```

Pin packages

Prevent unwanted package updates:

```
apt-mark hold nginx* redis* mysql* galera* mariadb* php*
```



15-nextcloud-setup.png

---

6. System hardening with Fail2ban and UFW

Fail2ban configuration

Install Fail2ban:

```
apt-get install -y fail2ban
```

Create Nextcloud filter (`/etc/fail2ban/filter.d/nextcloud.conf`):

- Regex patterns for login failures
- Trusted domain errors
- Date pattern for JSON log format

Create Nextcloud jail (`/etc/fail2ban/jail.d/nextcloud.local`):

```
[nextcloud]
backend = auto
enabled = true
port = 80,443
protocol = tcp
maxretry = 5
bantime = 3600
findtime = 36000
logpath = /var/log/nextcloud/nextcloud.log
```

UFW firewall configuration

```
ufw allow 80/tcp comment "LetsEncrypt(http)"
```

```
ufw allow 443/tcp comment "LetsEncrypt(https)"
ufw allow 22/tcp comment "SSH"
ufw enable
```

Setup guide: WHMCS setup

Nextcloud module **WHMCS**

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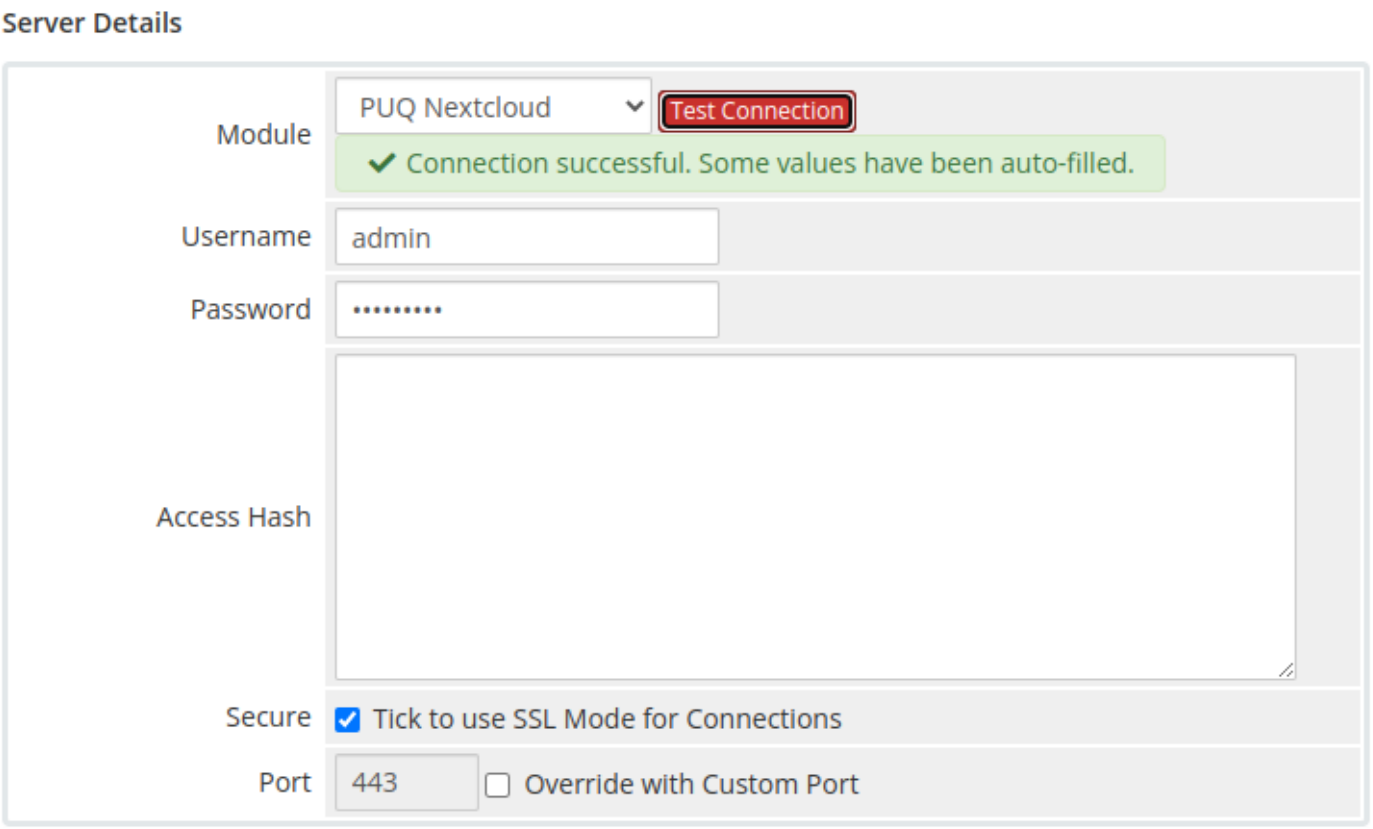
Step 1: Add server in WHMCS

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

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

Name	nextcloud-[redacted]com
Hostname	nextcloud-[redacted]com
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	☐ Tick to disable this server

04-add-server-1.png

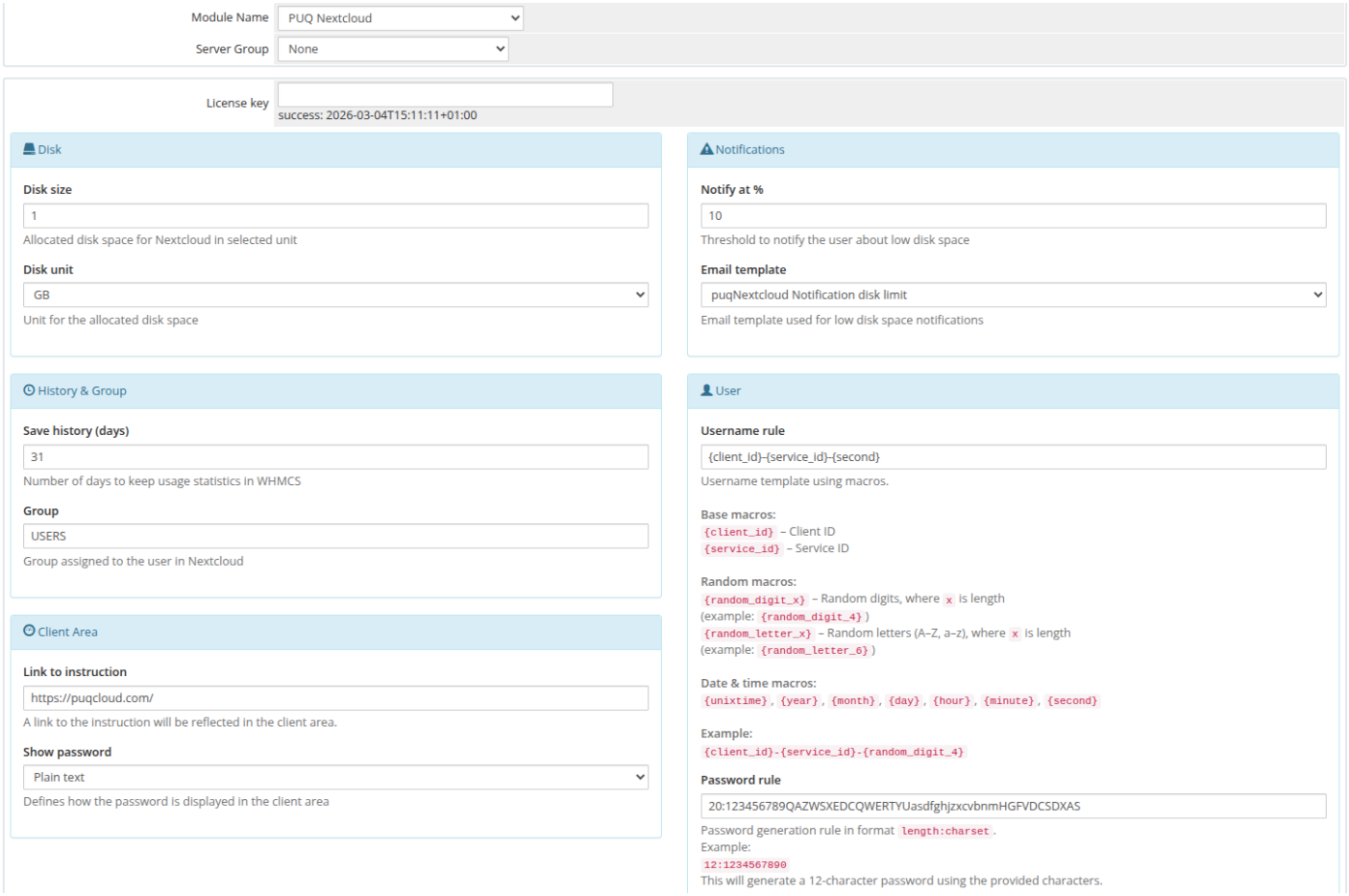


05-add-server-2.png

Step 2: Create product in WHMCS

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

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



06-whmcs-setup.png

Email Template (puqNextcloud notification disk limit)

Nextcloud module **WHMCS**

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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	puqNextcloud Notification disk limit

Email subject

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

Email body

```
Dear {$client_name},

We would like to inform you that the disk space usage for your
product/service has reached the notification threshold.

Product/Service: {$service_product_name}
Due Date: {$service_next_due_date}
Username: {$username}

Disk Limit: {$disk_limit}
Disk Used: {$disk_used} ({$disk_used_percentage}%)
Disk Free: {$disk_free} ({$disk_free_percentage}%)

Please take the necessary actions to manage your disk space.

{$signature}
```

Available template variables

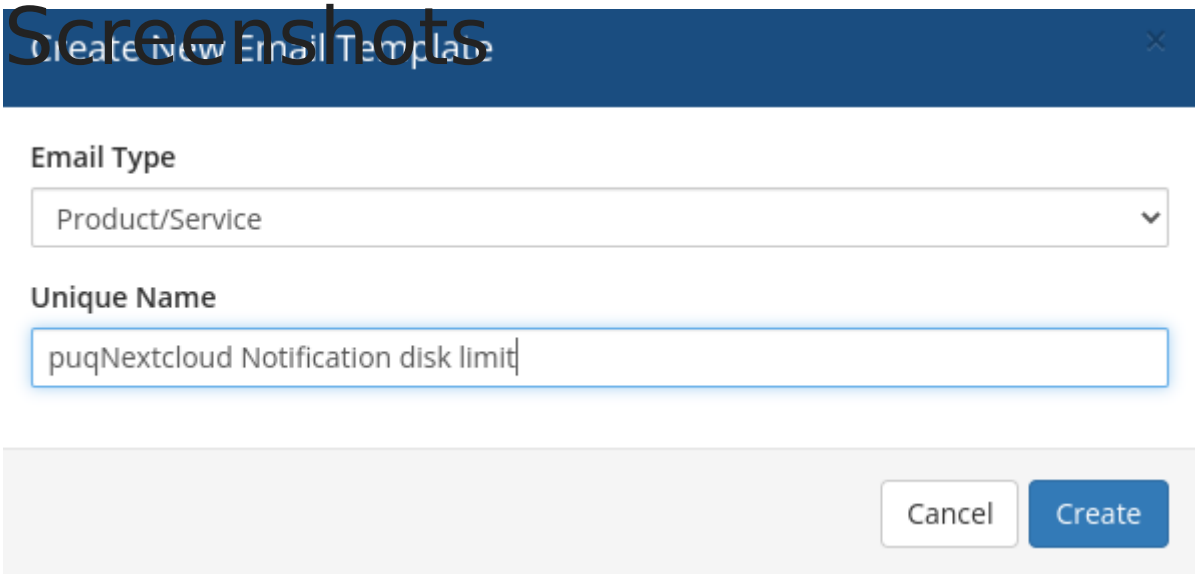
The following custom variables are passed to the email template by the module:

Variable	Description	Example
`{$username}`	Nextcloud username	john-42
`{$disk_limit}`	Total disk quota with unit	10 GB
`{$disk_used}`	Used disk space with unit	8.5 GB
`{$disk_free}`	Free disk space with unit	1.5 GB
`{$disk_used_percentage}`	Used space as percentage	85
`{$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}

File Edit View Insert Format Table Help

Paragraph Verdana 11pt

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 (Nextcloud server)

Nextcloud module **WHMCS**

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Adding a Nextcloud server to WHMCS

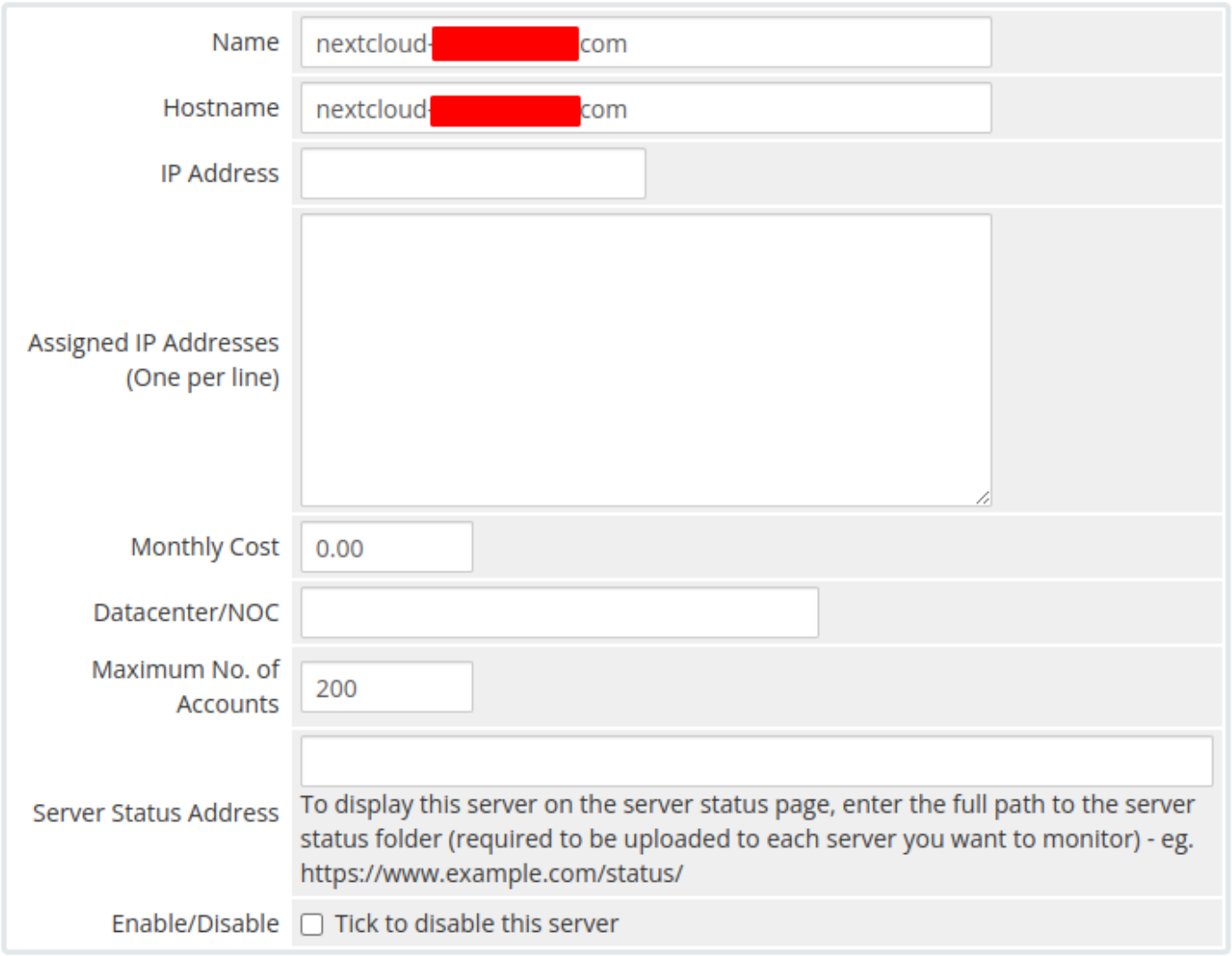
Navigate to **System Settings → Servers → Add New Server**

Step 1: General settings

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

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

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

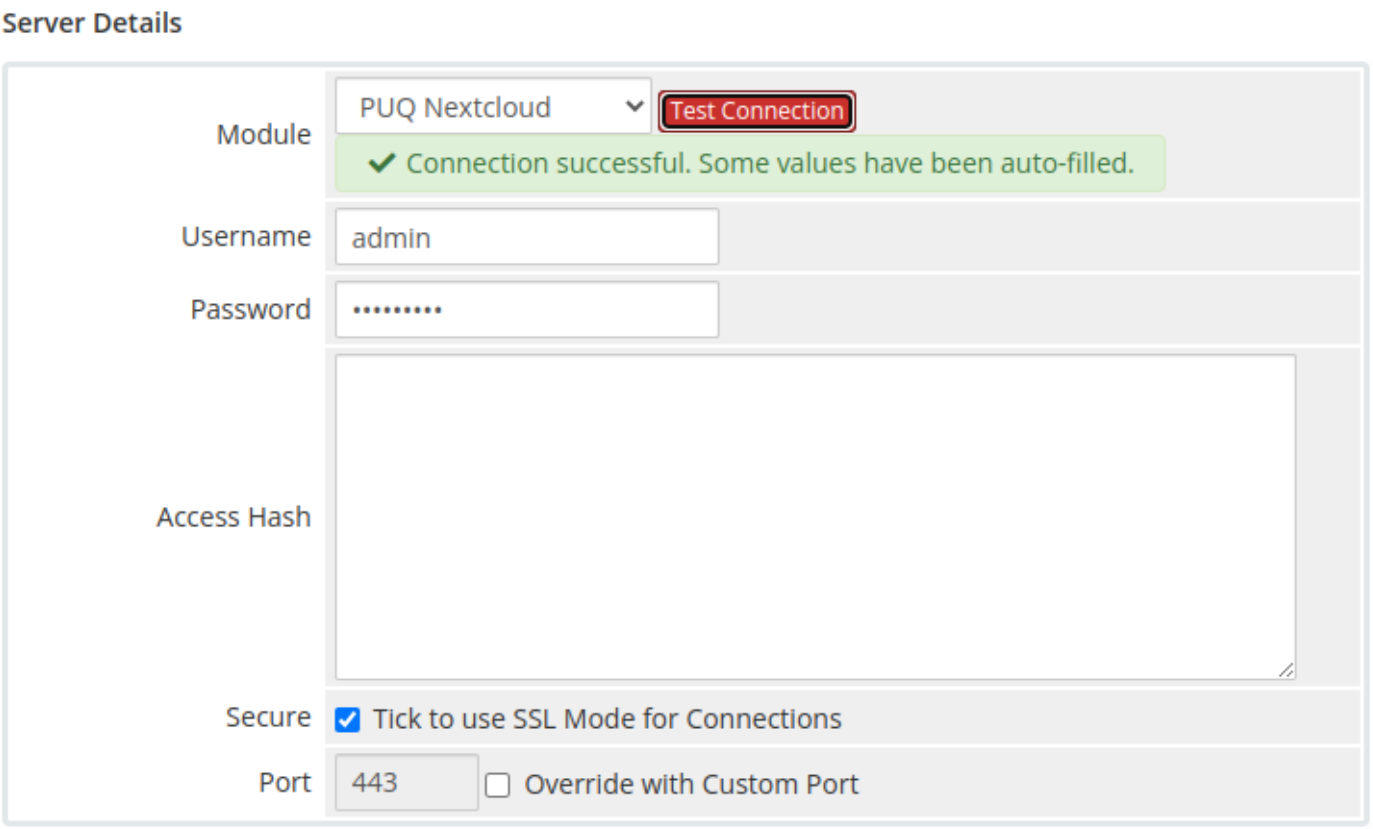


04-add-server-1.png

Step 2: Module settings

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

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



05-add-server-2.png

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

Product Configuration

Nextcloud module **WHMCS**

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Add new product to WHMCS

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

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

Configuration parameters

Parameter	Description
License key	A pre-purchased license key for the PUQ Nextcloud 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 Nextcloud 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).

Parameter	Description
Save history (days)	Number of days to store disk usage statistics in WHMCS. Older records are automatically deleted during cron execution.
Group	Nextcloud 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`
- `nc-{random_digit_6}` → `nc-384729`
- `user-{client_id}-{random_letter_4}` → `user-123-aBcD`

> **Note:** If the generated username already exists on the Nextcloud 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:

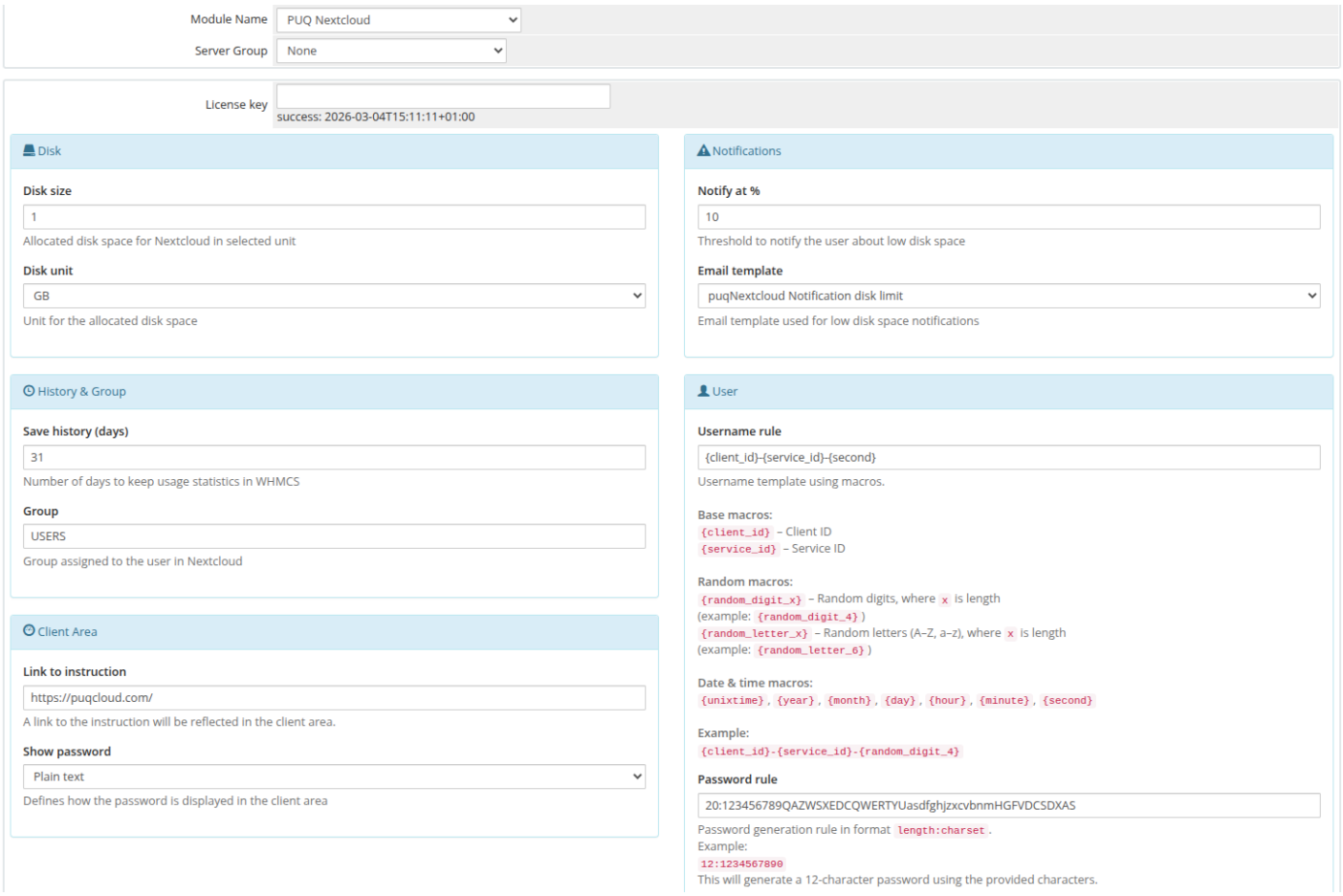
- `12: abcdefghijklmnopqrstuvwxyz0123456789` — 12 lowercase alphanumeric characters
- `16: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789` — 16 mixed-case alphanumeric
- `20: 0123456789` — 20 digits only

> 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

Client Area

Overview of the client-facing features available in the Nextcloud WHMCS module, including the home screen, email notifications, and disk usage statistics.

Home screen

Nextcloud module **WHMCS**

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Client area home screen

The end customer, after logging in to the client panel, sees the service management page with the following sections:

Service information

- **User manual** — a button linking to the instruction URL (only displayed if configured by the administrator in product settings, "Link to instruction" field)
- **Web interface address** — clickable link to the Nextcloud server (automatically handles HTTPS/HTTP and non-standard ports)
- **Username** — the Nextcloud username with a **copy-to-clipboard** button
- **Password** — displayed according to the "Show password" product setting:
  - **Show button** — password is hidden by default, revealed when the user clicks the show button; copy-to-clipboard button is always available
  - **Plain text** — password is always visible in plain text; copy-to-clipboard button available
  - **No** — password is completely hidden with no option to reveal

Disk usage

- **Pie chart** — visual representation of used vs. free disk space (powered by Google Charts)
- **Data table** with the following fields:
  - Disk limit (displays "Unlimited" if quota is set to 0)
  - Disk used
  - Disk free
  - Disk used percentage

- Disk free percentage

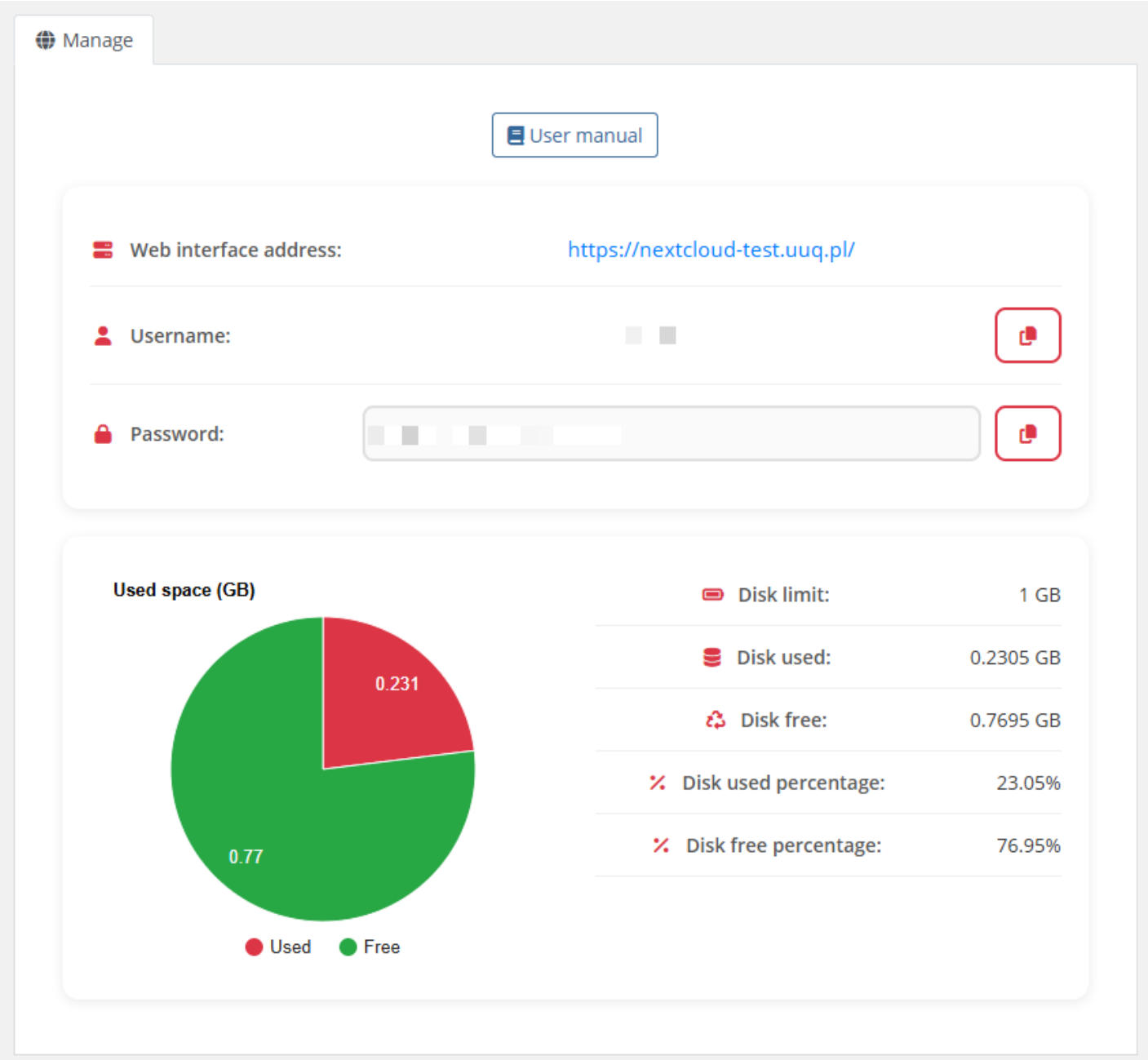
Sidebar navigation

The client area sidebar contains two menu items:

- **Information** — the main service details page (described above)
- **Used space statistics** — historical disk usage charts (see Disk statistics page)

> **Note:** If the service status is not Active or if the Nextcloud user cannot be found, an error page is displayed instead.

Screenshot



10-home-screen.png

Client Area

Email notification

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Email notification example

Below you can see an example of an email notification regarding data limit.

When the customer's disk usage exceeds the configured notification threshold (set in the product configuration as "Notify at %"), the system automatically sends an email notification using the configured email template.

Screenshot

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

Product/Service: **Nextcloud 10 GB**
Due Date: **21-08-2022**

Username: **next-1-4729-cloud**

Disk limit: **10 GB**
Disk used: **9.2288 GB (92.29 %)**
Disk free: **0.7712 GB (7.71 %)**

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[redacted]

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11-email-notification.png

Disk statistics

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Disk usage statistics

The client can check the data usage statistics in the menu item **"Used space statistics"**.

The statistics page displays two charts:

Last 30 days

A column chart showing daily disk usage for the last 30 days. Each bar represents the amount of disk space used on that day.

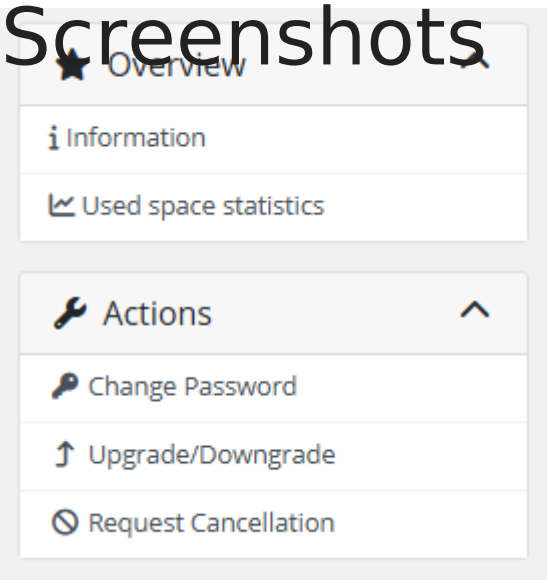
Average per month

A column chart showing the average monthly disk usage. This provides a long-term overview of storage consumption trends.

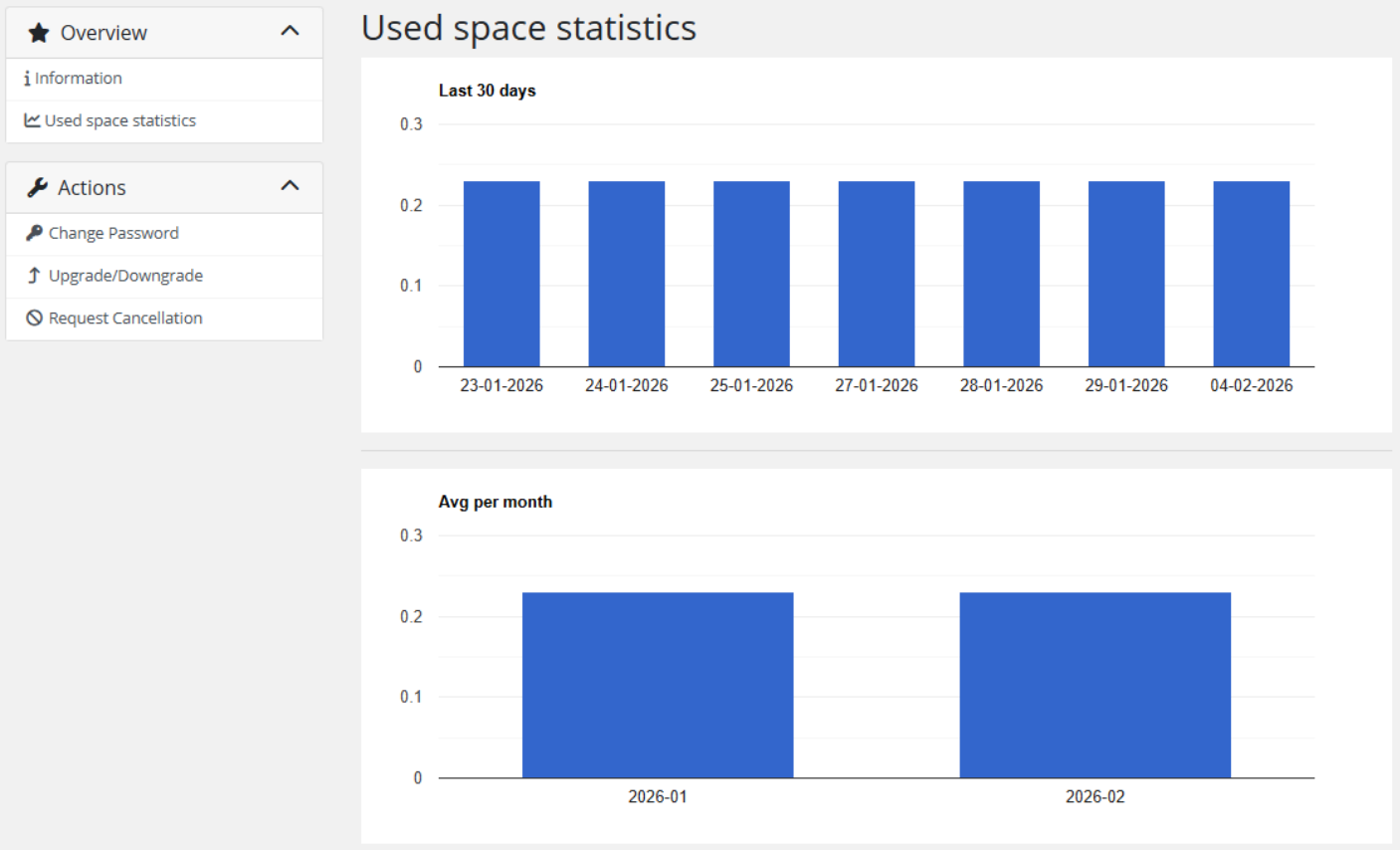
Both charts are powered by Google Charts and automatically resize to fit the browser window. The data is collected by the WHMCS cron job and stored in the database for the number of days configured in the product settings ("Save history" parameter).

> **Note:** Statistics data is only available after the WHMCS cron has run at least once with the UsageUpdate function. The retention period is configurable per product in the "Save history (days)" setting.

Screenshots



12-disk-statistics-1.png



13-disk-statistics-2.png

Admin Area

Administrative features and tools available in the WHMCS admin panel for managing Nextcloud services.

Product Information

Nextcloud module **WHMCS**

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Admin area product information

The administrator can view detailed service information in the WHMCS admin panel on the product/service page. The module adds a custom panel in the **Module Data** section with the following information:

License verification status

Displays the current license status with a colored indicator:

- **Green** — license is valid and active
- **Red** — license is invalid, expired, or missing

API connection status

Shows the result of a real-time connection test to the Nextcloud server, confirming that the API credentials are working correctly.

User information

Field	Description
Username	The Nextcloud username assigned to this service
Enabled	Whether the user account is currently enabled or disabled
Group	The Nextcloud group(s) the user belongs to

Field	Description
Email	The email address associated with the Nextcloud account

Disk usage

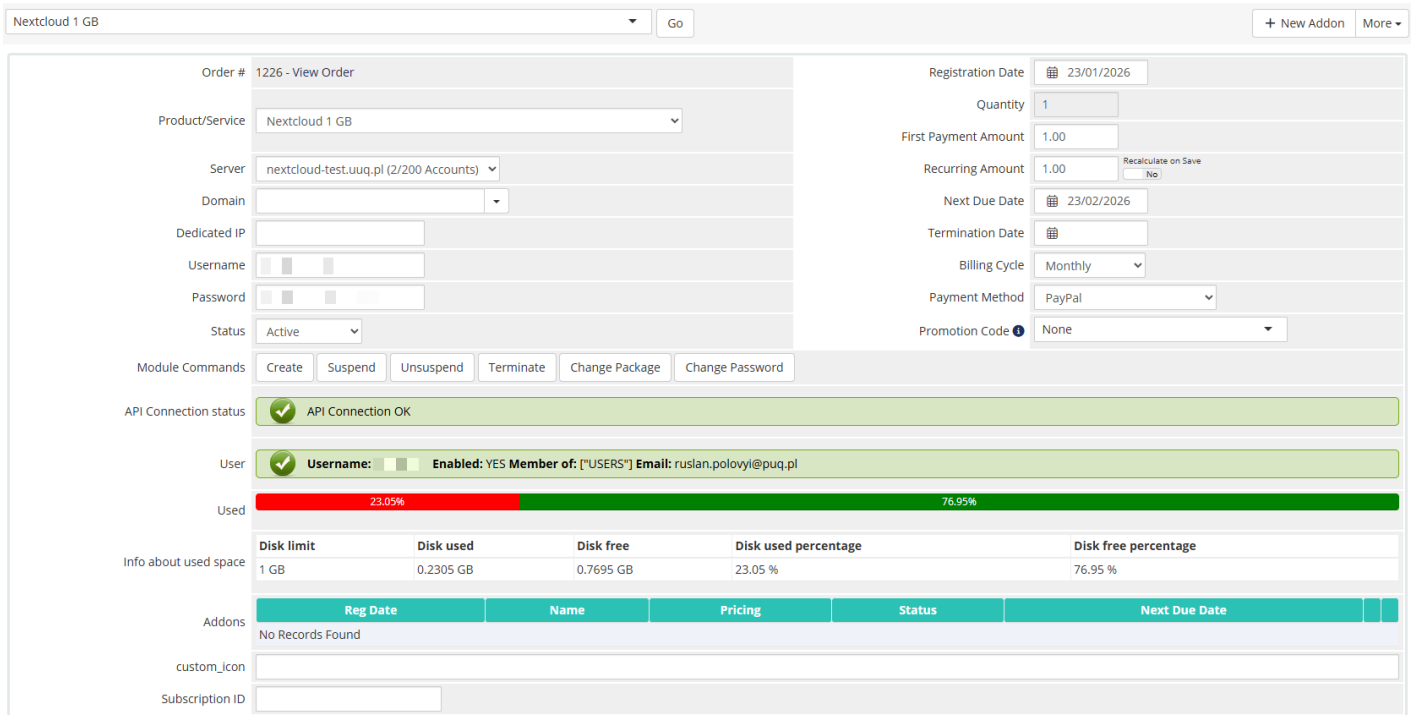
- **Visual progress bar** — a colored bar showing the proportion of used vs. free disk space
- **Detailed table** with:
  - Disk limit (total allocated quota)
  - Disk used (current usage)
  - Disk free (remaining space)
  - Disk used percentage
  - Disk free percentage

Available management actions

The standard WHMCS module command buttons are available:

- **Create** — provision a new Nextcloud account
- **Suspend** — disable the Nextcloud user
- **Unsuspend** — re-enable the Nextcloud user
- **Terminate** — permanently delete the Nextcloud user
- **Change Password** — reset the user's password
- **Change Package** — update disk quota and group assignment (used during upgrades/downgrades)

Screenshot



14-product-information.png