

Docker NextCloud WHMCS module

A module for WHMCS that uses n8n workflows to deploy the NextCloud and NextCloud Office service using Docker.

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- Reinstall
- Metrics

Description

Docker NextCloud module **WHMCS**

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Before you start, it is important to read and familiarize yourself with the following articles at this link: <https://doc.puq.info/books/docker-modules>

WHMCS Docker NextCloud module is designed for automated provisioning and comprehensive management of **NextCloud** and **NextCloud Office** instances on a Docker server. This powerful integration with WHMCS empowers businesses to efficiently offer cloud-based file storage, collaboration, and office productivity solutions to their clients.

NextCloud Office offers robust productivity tools including integrated document editing, spreadsheet management, and presentations. These office solutions facilitate seamless real-time collaboration, enabling teams to efficiently co-edit documents, share ideas, and enhance productivity without leaving the secure NextCloud environment.

Key Features

Automated Container Management

- Automatic creation of a **NextCloud** (with optional **NextCloud Office**) container upon service order.
- Automated package upgrades and administrator password reset.

Service Control & Security

- Service creation
- Service suspension and reactivation
- Service termination

- Full reinstallation
- IP access control

🔧 Advanced Diagnostic Tools

- Built-in tools for diagnosing and managing containers.

🌐 Multilingual Support

- Supports multiple languages, including **Arabic, Azerbaijani, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Estonian, Farsi, French, German, Hebrew, Hungarian, Italian, Macedonian, Norwegian, Polish, Romanian, Russian, Spanish, Swedish, Turkish, and Ukrainian.**

⚙️ Fully Customizable Workflows

- Uses **n8n workflows** to automate processes, allowing full customization for business-specific needs.

System Requirements

To run the WHMCS Docker **NextCloud** module, ensure you have:

📌 **WHMCS version 8+**

📌 **An n8n server** for workflow automation

📌 **A server with Docker installed** for container management ([Installation Guide](#))

Installation & Setup

1 📌 Environment Preparation

- Install **WHMCS 8+**.
- Set up an **n8n server** for automation workflows.
- Ensure **Docker** is installed and running. ([Installation Guide](#))

2▯ Module Installation

- Upload and activate the **WHMCS Docker NextCloud module**.
- Configure the module settings to connect with your Docker server and n8n workflows.

3▯ Workflow Customization

- Utilize **n8n workflows** to automate service provisioning and management.
- Modify workflows as needed for custom business logic.

4▯ Testing & Deployment

- Perform a **test order** to verify automatic container creation.
- Check all service management functions (creation, suspension, unsuspension, termination).

Why Choose This Module?

▯ **Seamless automation** – Reduces manual work and speeds up service deployment.

▯ **Highly customizable** – Modify workflows to fit any business model.

▯ **User-friendly** – Integrated within WHMCS with a simple setup process.

This module makes selling and managing **NextCloud** and **NextCloud Office** instances through WHMCS easy, automated, and flexible! ▯▯

[Go to NextCloud](#)[User manual](#)

Status

Status: **running**



CPU usage:

1 CPU

99.99%



Memory usage:

326.6MiB / 2GiB

15.95%

84.05%



Disk usage:

1.1G / 51G

3.0

97.00%

NextCloud

[Go to NextCloud](#)

<https://393011.d01-test.uuq.pl/>

[Change Owner Password](#)

Username:

f28av879zy



Password:

.....



Version:

31.0.0



Owner:

f28av879zy

Container

Refresh

Log

Status	Running
Name	nextcloud-2-5364.app.d01-test.uuq.pl_nextcloud (46671435833e)
CPU usage	11.25% 88.75%
Memory usage	418MiB / 1GiB 40.82% 59.18%
Disk IO	2.44GB / 2.07GB
Disk mounted	1.1G/2.0G 62% 38%
Disk file	1.1G
Network IO	45.8MB / 22.1MB

Dependent Containers

Refresh

Status	Running
Name	nextcloud-2-5364.app.d01-test.uuq.pl_collabora (0371d373e681)
CPU usage	99.8%
Memory usage	737.4MiB / 31.34GiB 2.3% 97.7%

Status	Running
Name	nextcloud-2-5364.app.d01-test.uuq.pl_db (f18e8f384d0f)
CPU usage	99.97%
Memory usage	312.7MiB / 31.34GiB 0% 99.03%

Status	Running
Name	nextcloud-2-5364.app.d01-test.uuq.pl_redis (5c6ad6572bc3)
CPU usage	1% 98.92%
Memory usage	9.09MiB / 31.34GiB 0% 99.97%

App

Refresh

Version	31.0.0
Users	c23en8zy@w

Metric Statistics

Metric	Enabled	Current Usage	Last Update
Traffic IN (GB)	✓	0.00 GB	1 second ago
Traffic OUT (GB)	✓	0.00 GB	1 second ago

Refresh Now

Welcome to PUQ Docker NextCloud deploy! Template for Docker NextCloud: API Backend for WHMCS/WISECP by PUQcloud

This is an Docker NextCloud template that creates an API Backend for the WHMCS/WISECP module developed by PUQcloud.

Setup Instructions

1. Configure API Webhook and SSH Access
 - Create a Credential (Basic Auth) for the Webhook API Block in rfm.
 - Create a Credential for SSH access to a server with Docker installed (SSH Block).

2. Install Required Packages on the Docker Server

Run the following command on your server:

```
apt-get install nginx apache2-certbot -y
```

3. Modify Template Parameters

In the Parameters block of the template, update the following settings:

- `server_domain` - must match the domain of the WHMCS/WISECP Docker server.
- `data_dir` - Directory where user data related to Docker and data will be stored.
- `mount_dir` - Default mount point for the container disk (recommended not to change).

Do not modify the following technical parameters:

- `screen_name`
- `screen_name`

Additional Resources

- Full documentation: [https://www.puqcloud.com/](#)
- Docker WHMCS/WISECP module: [https://www.puqcloud.com/](#)

422-invalid server domain

API

Parameters

If

Container Status

Container Actions

NextCloud

SSH

Code1

API answer

Test workflow

Change Password

Users

GET NET

SET ACL

GET ACL

Unmount Disk

Mount Disk

Stop

Start

Dependent containers

List

Start

Inspect

Service Actions

Change Package

Terminated

Unsuspend

Suspend

Deploy

Test Connection

Deploy-docker-compose

nginx

SSH

Code1

API answer

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Users

GET NET

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Dependent containers

List

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SSH

Code1

API answer

Test workflow

Change Password

Users

GET NET

SET ACL

GET ACL

Unmount Disk

Mount Disk

Stop

Start

Dependent containers

List

Start

What is NextCloud

Docker NextCloud module **WHMCS**

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What is NextCloud? An Overview of the Secure, Self-Hosted Cloud Platform

NextCloud is a powerful, self-hosted cloud platform designed to provide secure, private, and convenient access to your files, documents, and collaborative tools. Unlike traditional cloud services, NextCloud puts the ownership and control of your data directly into your hands, ensuring unmatched privacy and flexibility.

Key Features and Benefits of NextCloud

- **Secure File Sharing:** Easily and securely share files and folders internally or externally, with granular access permissions.
- **Collaboration Tools:** Built-in collaborative editing with NextCloud Office (powered by Collabora Online), enabling seamless teamwork on documents, spreadsheets, and presentations in real-time.
- **Privacy-Centric:** Complete ownership and control of your data, hosted on your own hardware or infrastructure, significantly enhancing data privacy.
- **Expandable and Modular:** Extend NextCloud's functionality with hundreds of available apps, customizing it to meet specific business or personal requirements.

NextCloud Office: Advanced Document Collaboration

NextCloud Office integrates seamlessly into NextCloud, providing advanced collaboration capabilities directly within your cloud environment. Powered by Collabora Online, NextCloud Office allows teams to create, edit, and collaborate on office documents directly from a web browser, without compromising privacy or security.

- **Real-time Collaboration:** Edit documents, spreadsheets, and presentations simultaneously with team members from anywhere in the world.
- **Compatibility:** Fully compatible with Microsoft Office and LibreOffice documents, ensuring a smooth transition and interoperability.
- **Privacy-Focused:** All documents remain securely on your own infrastructure, without external data leaks or third-party access.

Mobile and Web Accessibility

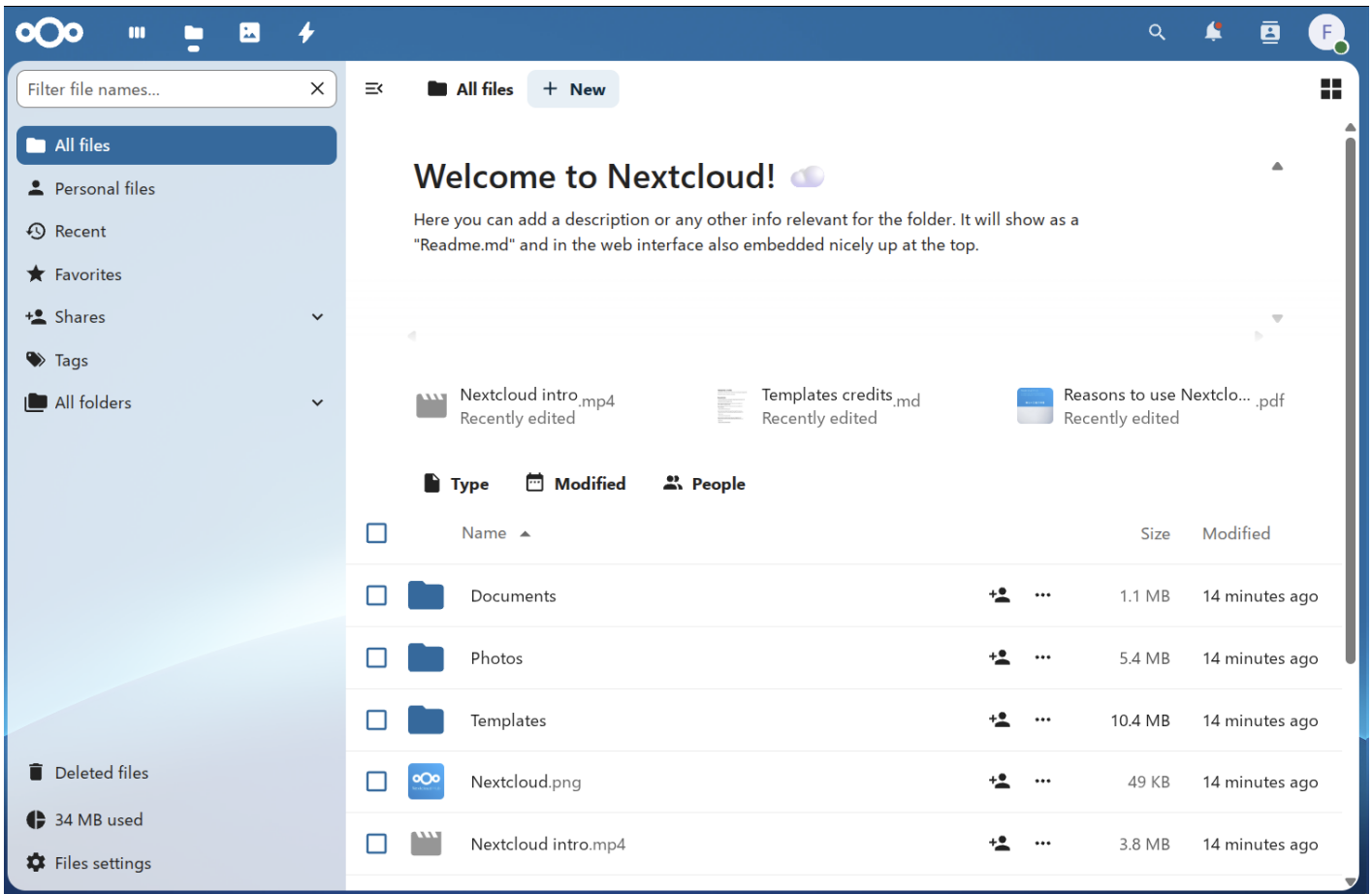
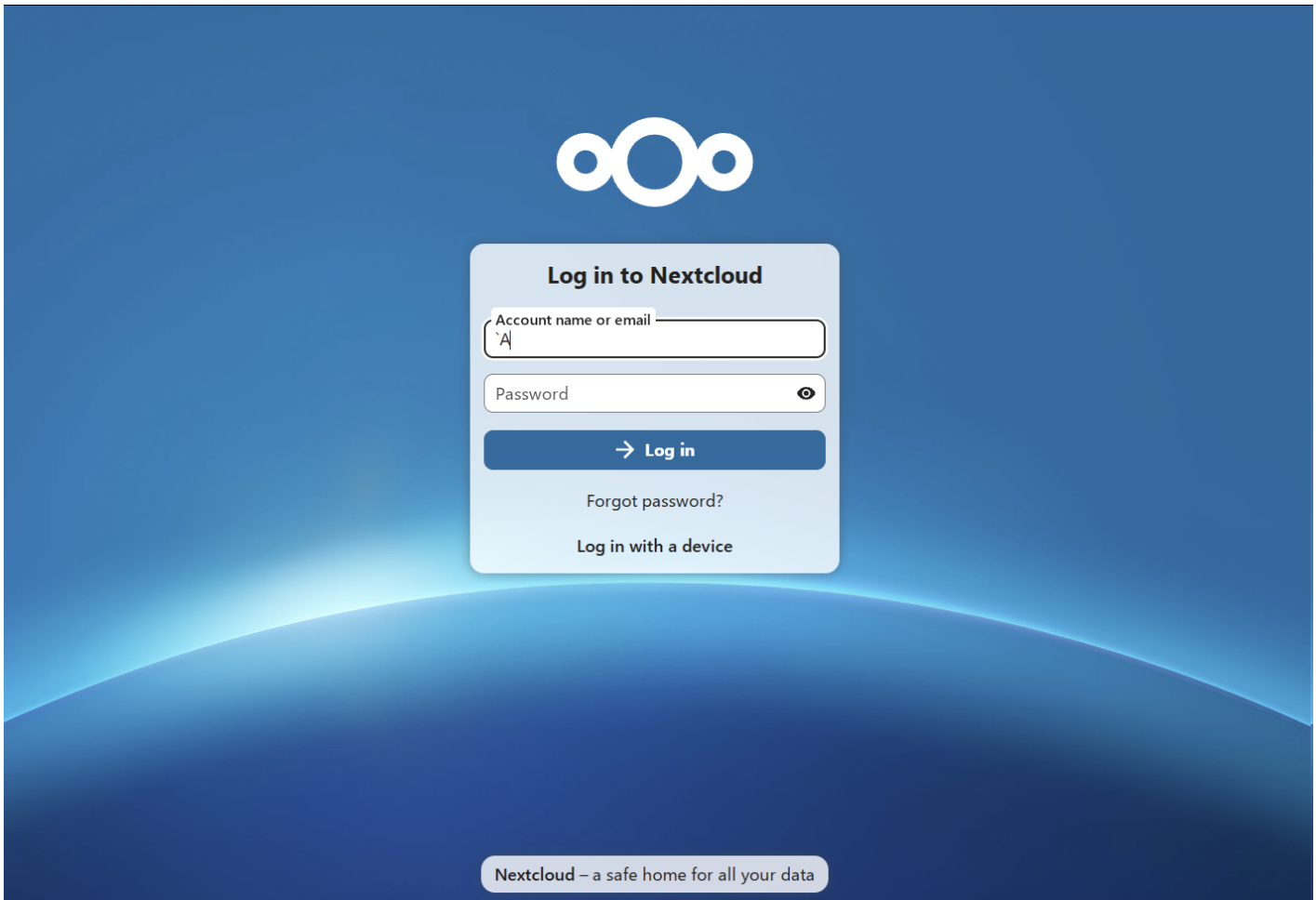
NextCloud offers robust mobile applications for Android and iOS, ensuring your files, documents, and collaborative spaces are accessible from any device, anywhere. Additionally, the intuitive web interface provides easy access to your cloud environment via any modern web browser.

Who Should Use NextCloud?

NextCloud is ideal for individuals, businesses, and organizations that value data sovereignty, security, and seamless collaboration. Whether you're managing a small business or a large enterprise, NextCloud's scalability and robust feature set make it a compelling self-hosted solution for your cloud needs.

For those seeking privacy, flexibility, and control over their data and collaborative processes, NextCloud paired with NextCloud Office represents a powerful, secure, and future-ready choice.

Remember to regularly maintain your NextCloud instance and stay updated to ensure security, performance, and reliability.




File
Home
Insert
Layout
References
Review
Format
Form
View
Help
Welcome to Nextcloud Hub.d...

Open Sans
18 pt
A↑
A↓
B
I
U
Comment

Default Paragr
Body Text
Headin
Heading
Heading 3
Heading 4



Nextcloud Hub

Nextcloud Hub

Welcome to Nextcloud Hub, your self-hosted collaboration platform.

Nextcloud Hub is the open source file share and collaboration software for everyone from individuals to large enterprises and service providers. Nextcloud provides a safe, secure and compliant online work environment on servers you control.

With Nextcloud Hub you can:

- Sync and share and access all your files and documents from all your devices
- Communicate with other via chat, audio or video calls
- Access, manage and share your calendars and contacts
- Plan, schedule and manage tasks
- View and share your photos and media files
- Access your emails
- Edit your documents with others, in real time


File
Home
Insert
Layout
Review
Format
View
Help
Gotong royong.odp

Paste
Arial
18 pt
A↑
A↓
B
I
U
T
Tr
Comment

Text Box
Shaj
Con






Gotong Royong is Awesome & Multipurpose Template by Free/Open Source Software Community Indonesia

Event Name
December, 12 2020

Presenter Nama
mymail@domain.co.id



Timesheet

Date	Weekday	Start	End	Attendance	Break time	Regular hrs	Overtime	Salary
2/1/23	Wednesday					08:00	-08:00	
2/2/23	Thursday					08:00	-08:00	
2/3/23	Friday					08:00	-08:00	
2/4/23	Saturday							
2/5/23	Sunday							
2/6/23	Monday					08:00	-08:00	
2/7/23	Tuesday					08:00	-08:00	
2/8/23	Wednesday					08:00	-08:00	
2/9/23	Thursday					08:00	-08:00	
2/10/23	Friday					08:00	-08:00	
2/11/23	Saturday							
2/12/23	Sunday							
2/13/23	Monday					08:00	-08:00	
2/14/23	Tuesday					08:00	-08:00	
2/15/23	Wednesday					08:00	-08:00	
2/16/23	Thursday					08:00	-08:00	
2/17/23	Friday					08:00	-08:00	
2/18/23	Saturday							
2/19/23	Sunday							
2/20/23	Monday					08:00	-08:00	
2/21/23	Tuesday					08:00	-08:00	
2/22/23	Wednesday					08:00	-08:00	

Navigation: Jan Feb Mar Apr May Jun Jul Aug Sep Okt Nov Dez Info

Search | Sheet 2 of 13 | Select multiple cells | Insert mode: inactive | German (Germany) | Average: 08; Sum: 08 | Average; Sum

Changelog

Docker NextCloud module **WHMCS**

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v2.0 Released 27-02-2026

1. **Module Settings:** Added a new integrated product settings UI in WHMCS admin with unified package option handling and backward compatibility with previous option formats.
2. Product module settings have been redesigned
 - ⚠ **Product reconfiguration is required after update (open the product settings → module configuration, re-check all settings, and click Save)**
3. **Credentials Rules:** Added template-based username/password rules (macros, random patterns, custom charset) with automatic uniqueness handling.
4. **Client Area & Stability:** Refreshed client area templates (status/app/ACL/reinstall), improved loaders and usage formatting, and improved API error handling/logging.

Product reconfiguration is required after update

v1.2 Released 17-11-2025

1. **Security:** Enabled __Host- cookie prefix; added key security headers in NGINX.
2. **Docker Compose:** Removed deprecated version field; improved MariaDB/Redis healthchecks; switched dependencies to service_started.
3. **Container Management:** Updated Terminated script with full cleanup and explicit container removal.
4. **Result:** Faster deployments, stronger security, cleaner container lifecycle.

v1.1 Released 30-04-2025

1. Support for multi-service docker backend
 2. Support custom domain names via PowerDNS
 3. Support configuration options, CPU, RAM, DISK
-

v1.0 Released 28-03-2025

First version

Installation and Configuration Guide

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

Basic concepts and requirements

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Before you start, it is important to read and familiarize yourself with the following articles at this link: [\[https://doc.puq.info/books/docker-modules\]](https://doc.puq.info/books/docker-modules)(<https://doc.puq.info/books/docker-modules>)

The **WHMCS Docker NextCloud module** is part of the **WHMCS Docker module series** developed by **PUQcloud**. This module enables service providers to offer **NextCloud and NextCloud Office Docker containers** as a service to their clients, supporting seamless automation and integration.

The system consists of three core components:

WHMCS Module

The **core component**, installed in WHMCS, handles service provisioning and automation directly within WHMCS, providing an intuitive interface for managing NextCloud instances.

Debian 12 Server

A dedicated server running **Debian 12**, equipped with:
 **Docker** – For efficient container management

Detailed instructions for installing and configuring Docker are available here:

<https://doc.puq.info/books/docker-modules/page/installing-docker-for-puqcloud-modules>

n8n Server

This component bridges communication between the WHMCS module and the Docker server, ensuring seamless workflow automation and efficient service provisioning.

To learn more about n8n's powerful capabilities, visit the [official n8n website](#) for extensive documentation, tutorials, and community support.

Key Features & Concepts

Workflow Automation

Using n8n's **visual workflow builder**, automate numerous critical tasks, such as:

- ✓ **Automated provisioning of NextCloud and NextCloud Office**
- ✓ **Sending notifications to users and administrators**
- ✓ **Configuring firewall and security settings**
- ✓ **Managing DNS and domain configurations**
- ✓ **Custom automations** tailored specifically to your business needs

Flexibility & Customization

The NextCloud module offers extensive **personalization** and **elastic automation**, empowering you to fully customize n8n workflows and seamlessly integrate NextCloud into your existing infrastructure.

WHMCS

setup(install/update)

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System requirements

The module is encoded with **ionCube**.

Requirements:

- PHP **8.2 or higher**
- WHMCS **9.x or higher**
- ionCube Loader **v13 or newer** (v14, v15)

****Older module versions for WHMCS 8****

Older versions of the module are stored by PHP version in separate directories:

PHP 7.4

https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Docker-NextCloud/php74/

PHP 8.1

https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Docker-NextCloud/php81/

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

1. Download the latest version of the module.

PHP 8.2

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Docker-NextCloud/php82/PUQ_WHMCS-
```

```
Docker-NextCloud-latest.zip
```

All versions are available: https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Docker-NextCloud/

2. Unzip the archive with the module.

```
unzip PUQ_WHMCS-Docker-NextCloud-latest.zip
```

3. Copy and Replace "puqDockerNextCloud" from "PUQ_WHMCS-Docker-NextCloud" to "WHMCS_WEB_DIR/modules/servers/"

Preparing Docker Server

Docker NextCloud module **WHMCS**

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To install the Docker server for this module, please follow the instructions at the following link:

<https://doc.puq.info/books/docker-modules/page/installing-docker-for-puqcloud-modules>

Setting up n8n workflow

Docker NextCloud module **WHMCS**

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Overview

The **Docker NextCloud WHMCS module** leverages a sophisticated workflow for **n8n**, designed to automate the comprehensive deployment, configuration, and management processes for NextCloud and NextCloud Office services. Through its intuitive API interface, the workflow securely receives commands and orchestrates predefined tasks via SSH on your Docker-hosted server, ensuring streamlined operations and efficient management.

Prerequisites

- You must deploy your own dedicated **n8n** server to manage workflows effectively.
- Alternatively, you may opt for the official **n8n** cloud-based solutions accessible via: [n8n Official Site](#)
- Your Docker server must be accessible via SSH with necessary permissions.

Installation Steps

Install the Required Workflow on n8n

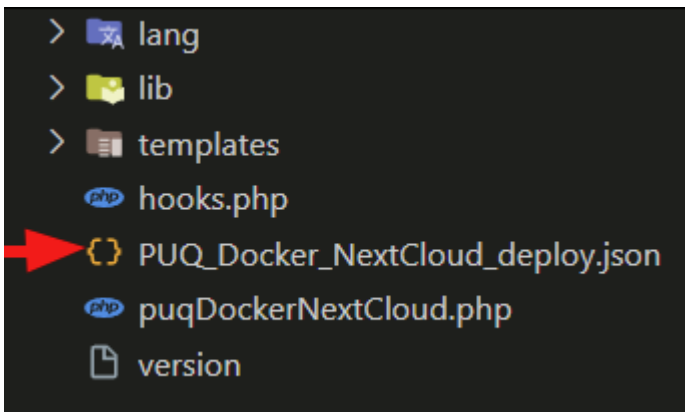
You can select from two convenient installation options:

Option 1: Use the Latest Version from the n8n Marketplace

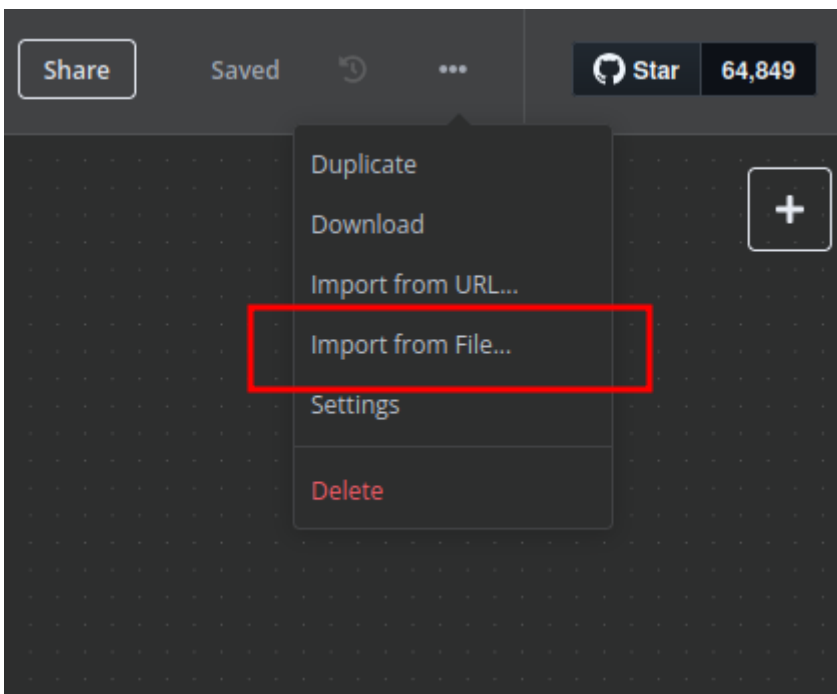
- The latest workflow templates are continuously updated and available on the n8n marketplace.
- Explore all templates provided by PUQcloud directly here: [PUQcloud on n8n](#)

Option 2: Manual Installation

- Each module version includes a bundled workflow template file.



- Import this workflow file directly into your n8n server manually.

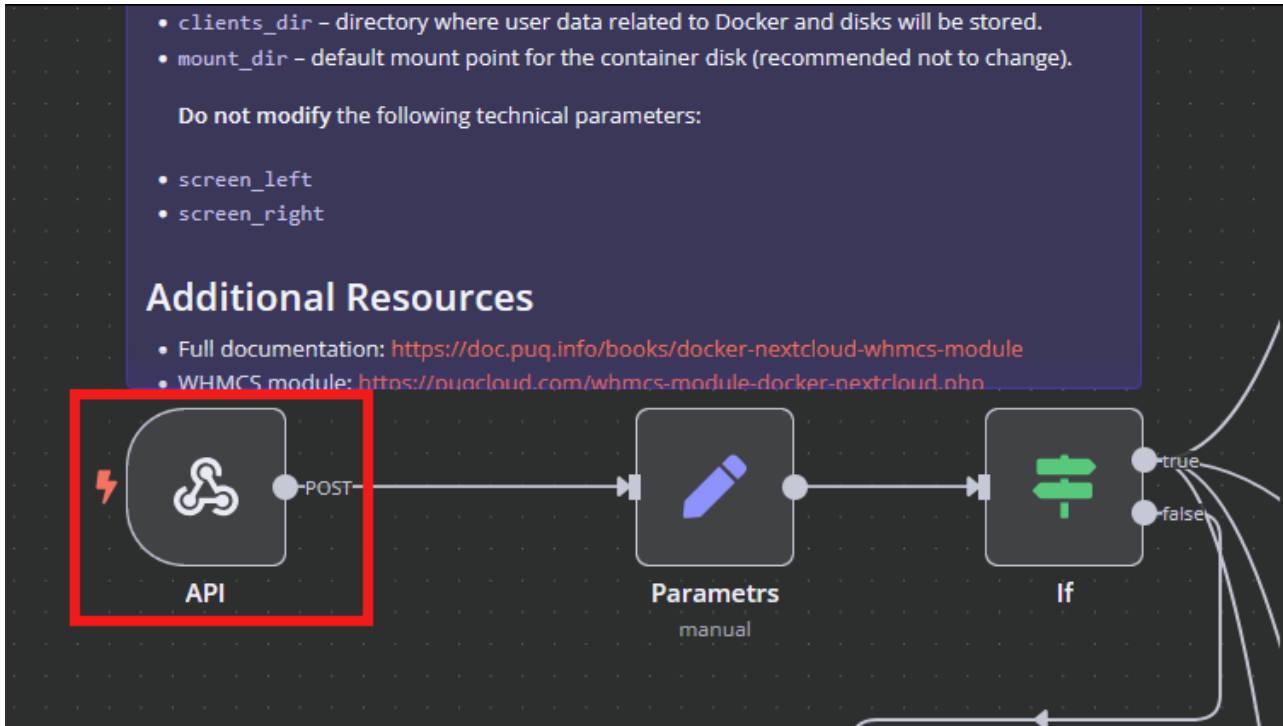


n8n Workflow API Backend Setup

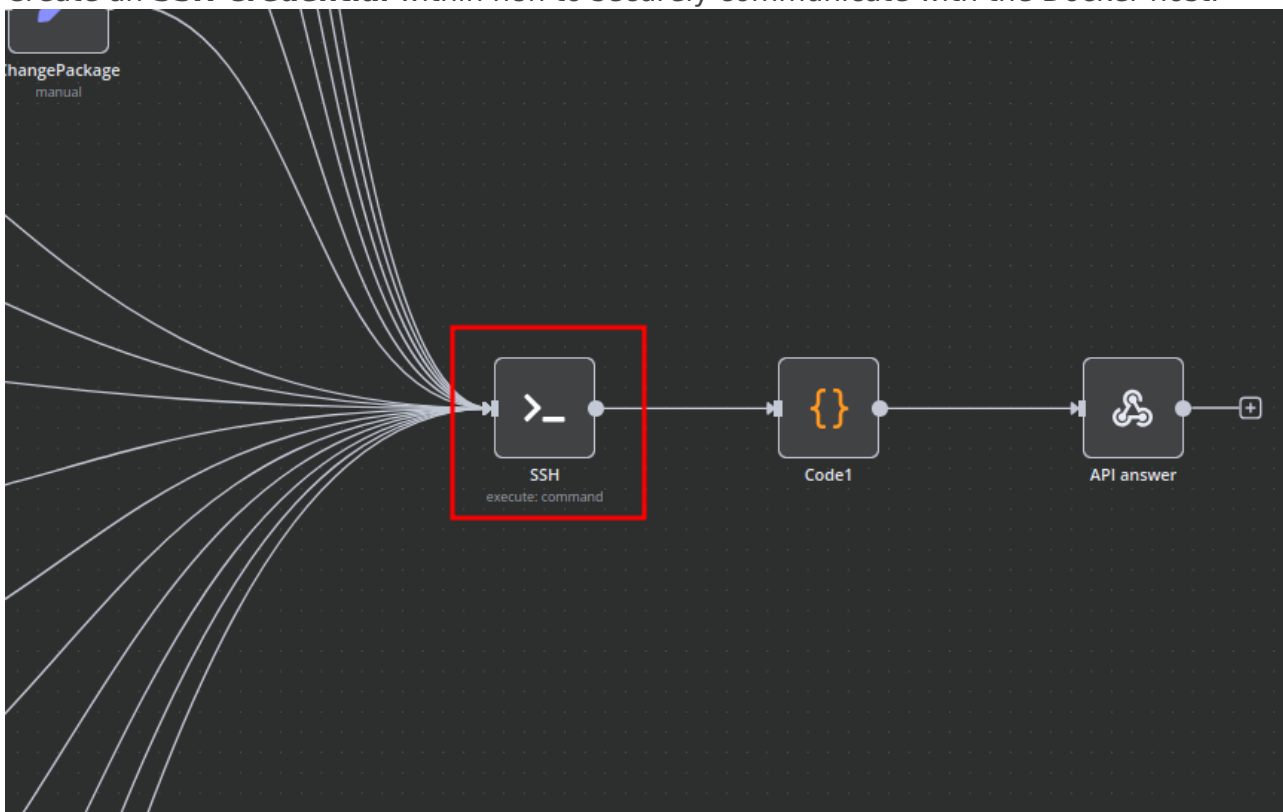
for WHMCS

Configure API Webhook and SSH Access

- Create a secure **Basic Auth Credential** for Webhook API interactions within n8n. [

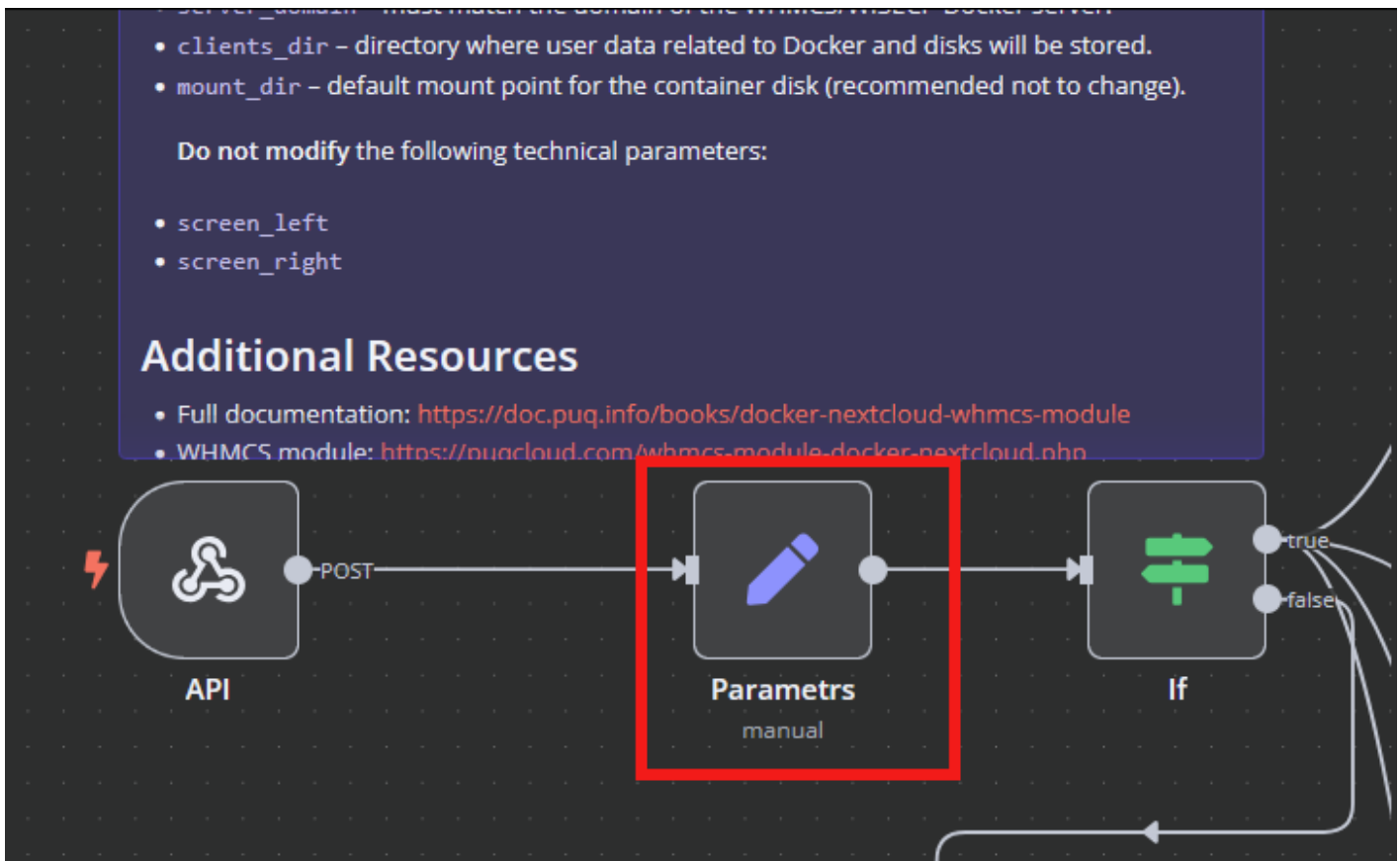


- Create an **SSH Credential** within n8n to securely communicate with the Docker host.



Modify Template Parameters

Adjust and update the following critical parameters to match your deployment specifics:



- `server_domain` – Set this to the domain of your WHMCS Docker server.
- `clients_dir` – Specify the directory where user data and related resources will be stored.
- `mount_dir` – The standard mount point for container storage (recommended to remain unchanged).

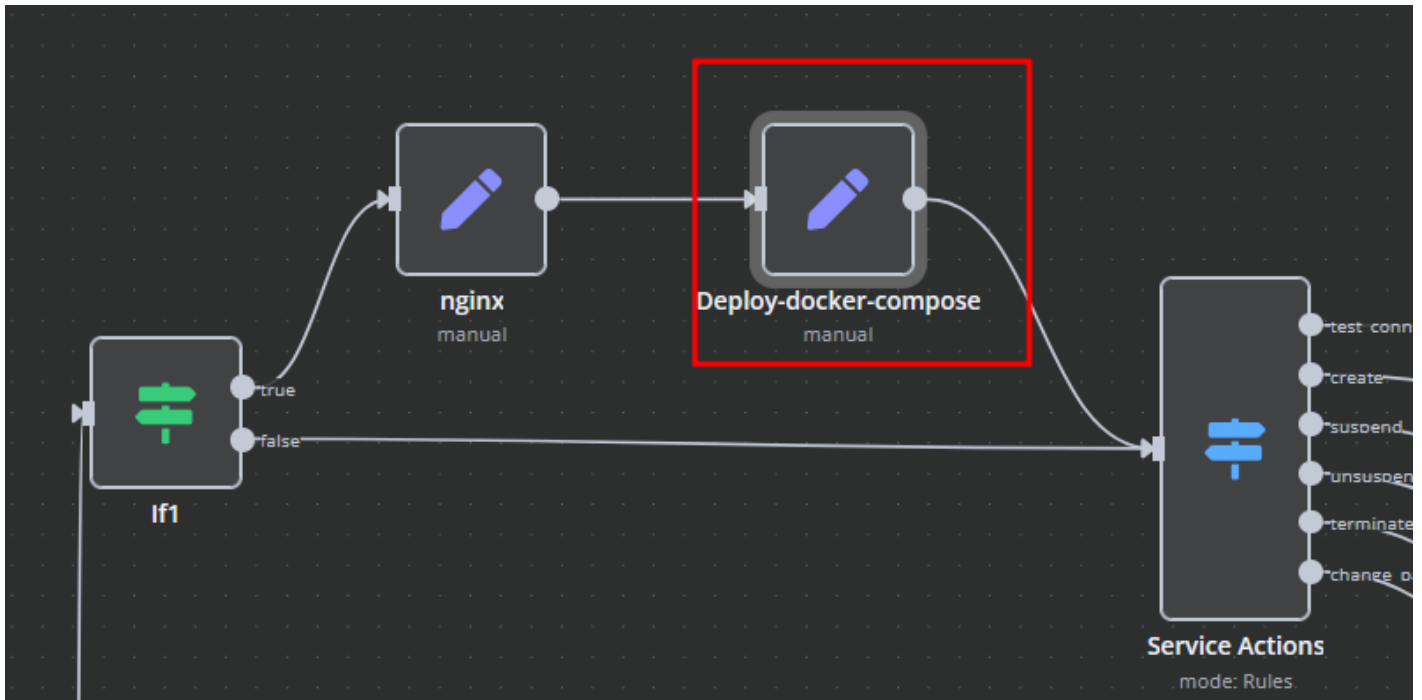
Do not alter the following technical parameters to avoid workflow disruption: `screen_left`, `screen_right`.

Deploy-docker-compose Configuration

Fine-tune Docker Compose configurations tailored specifically for these critical operational scenarios:

- Initial service provisioning and setup
- Service suspension and subsequent unlocking

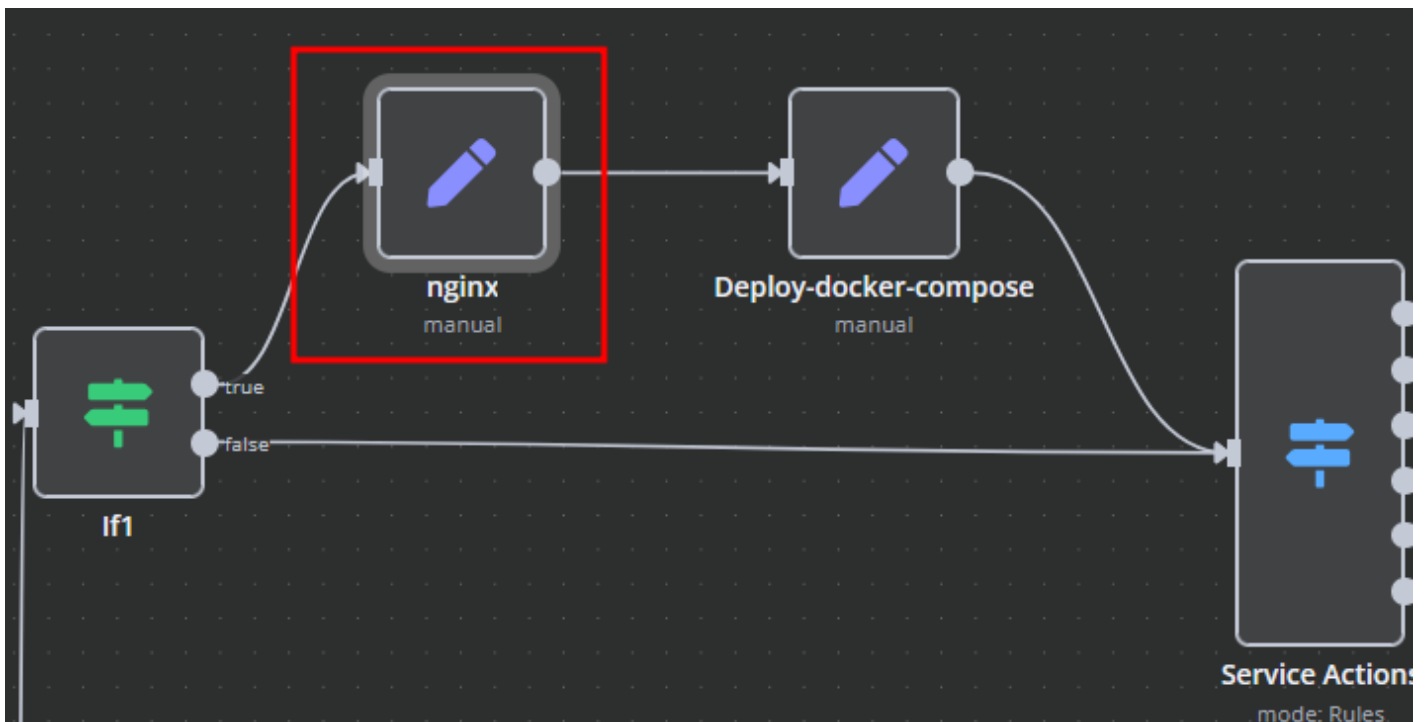
- Service configuration updates
- Routine service maintenance tasks



nginx Configuration Management

Enhance and customize proxy server configurations using the dedicated nginx workflow element:

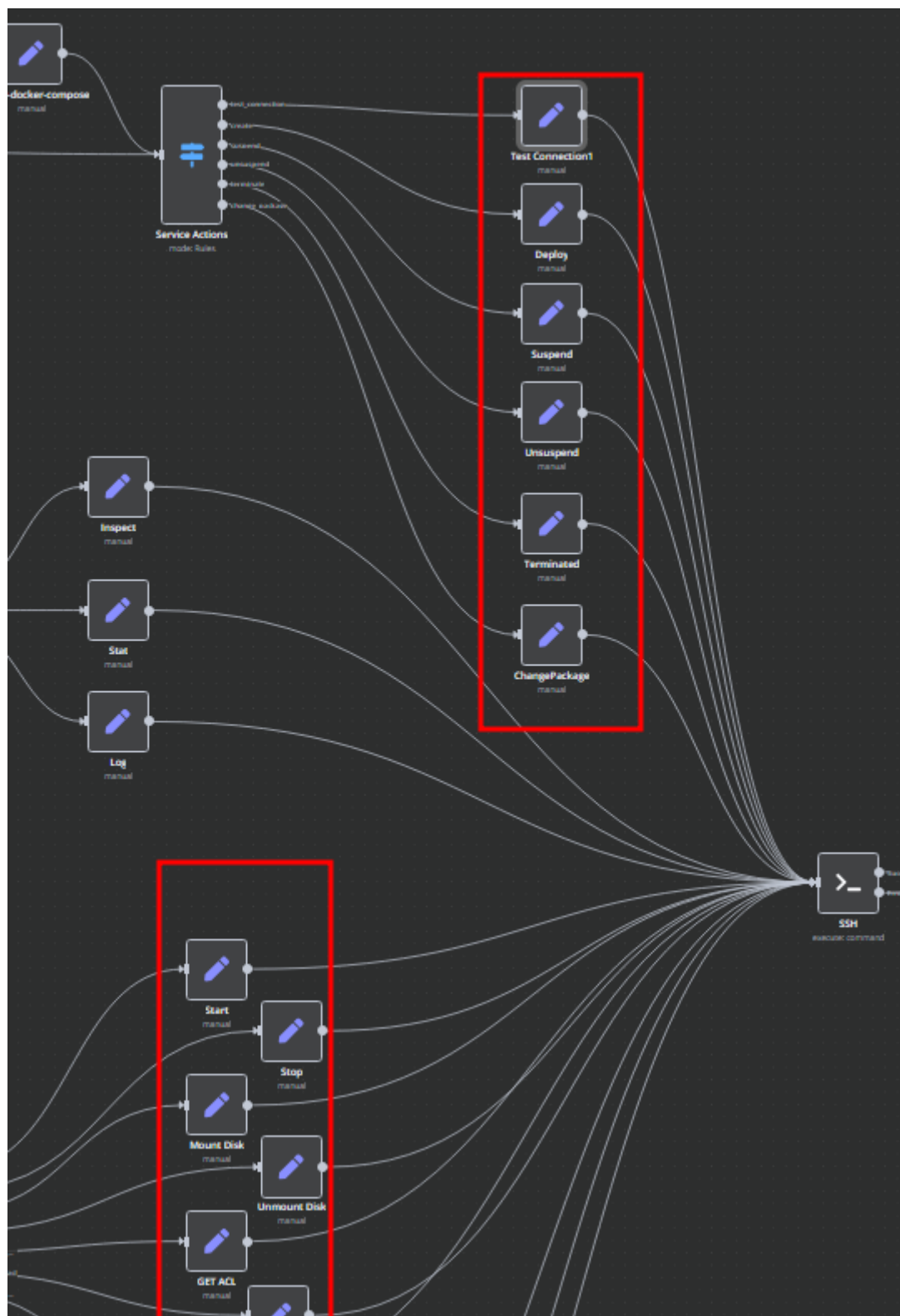
- **main:** Define specialized parameters within the server configuration block.
- **main_location:** Set custom headers, caching policies, and routing rules for the root location.



Bash Script Automation

Automate Docker container management and related server tasks through dynamically generated Bash scripts within n8n. Scripts execute securely via SSH and provide responses in JSON or plain text formats for easy parsing and logging.

- Scripts are conveniently linked directly to the SSH action elements.
- You retain complete flexibility to adapt or extend these scripts as necessary to meet your precise operational requirements.



Add server

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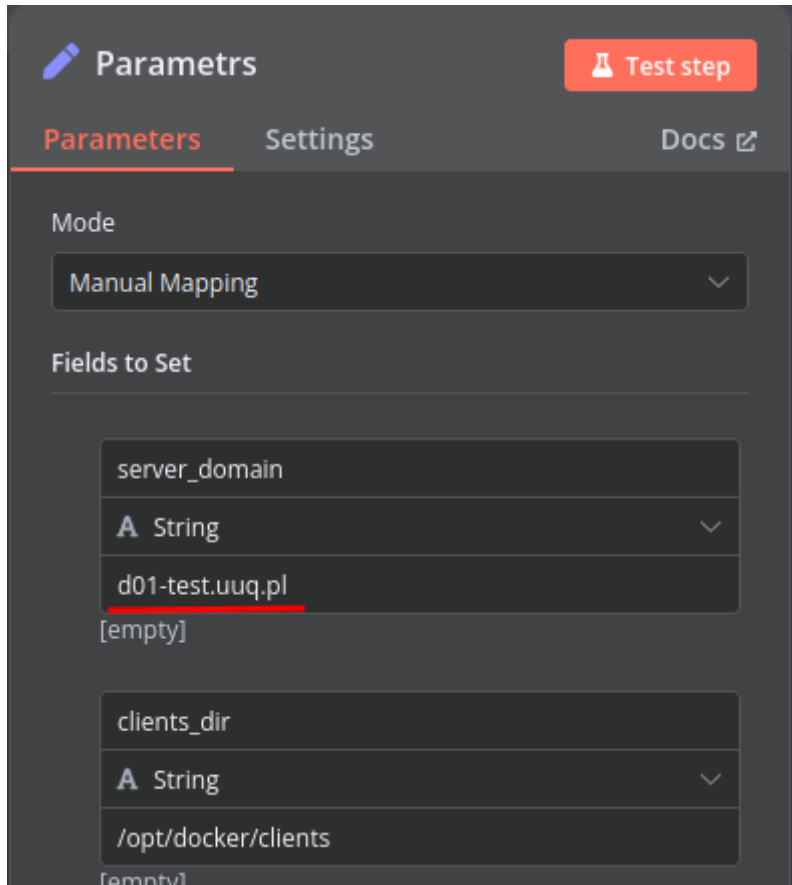
Add a new server to the WHMCS system.

System Settings->Servers->Add New Server

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

Name	d01-test.uuq.pl
Hostname	d01-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	☐ Check to disable this server

****Attention: Important Information**** The ****hostname**** field must precisely match the domain configured as ****server_domain**** in the ****n8n workflow****. Misalignment between these parameters will disrupt the communication between WHMCS and Docker. Furthermore, ensure this domain is configured so that all subdomains point correctly to the Docker server's IP address.



The screenshot shows a configuration interface with a dark theme. At the top, there's a 'Parameters' header with a pencil icon and a red 'Test step' button. Below the header are tabs for 'Parameters' (selected), 'Settings', and 'Docs' with an external link icon. The 'Mode' section has a dropdown menu set to 'Manual Mapping'. The 'Fields to Set' section contains two input fields. The first field is labeled 'server_domain' and has a dropdown menu set to 'String', with the value 'd01-test.uuq.pl' entered and underlined in red. Below it is a placeholder '[empty]'. The second field is labeled 'clients_dir' and has a dropdown menu set to 'String', with the value '/opt/docker/clients' entered. Below it is a placeholder '[empty]'.

In the **Server Details** section, choose the module **"PUQ Docker NextCloud"**. Enter the accurate **username** and **password** as configured for the **API endpoint** in the n8n workflow.

Additionally, input the ****URL of the API entry point**** from the n8n workflow into the ****Access Hash**** field.

Server Details

Module	PUQ Docker NextCloud Test Connection ✓ Connection successful. Some values have been auto-filled.
Username	nextcloud
Password	●●●●●●●●●●●●●●●● 👁
Access Hash	https://n8n.puqcloud.com/webhook/docker-nextcloud
Secure	☒ Check to use SSL Mode for Connections

▼ Webhook URLs

Test URL

Production URL

POST

<https://n8n.puqcloud.com/webhook-test/docker-nextcloud>

HTTP Methods

POST ×



Path

docker-nextcloud

Authentication

Basic Auth



Credential for Basic Auth

nextcloud



Respond

Using 'Respond to Webhook' Node



Insert a 'Respond to Webhook' node to control when and how you respond. [More details](#)

Options

No properties

Add option



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 Docker NextCloud**" module.

- **License key** - A pre-purchased, active license key for the "**PUQ Docker NextCloud**" module is required for proper operation.
- **Disk space** - Specifies the disk space allocated to the NextCloud Docker container.
- **CPU** - Sets the CPU usage limit for the Docker container.
- **RAM** - Determines the amount of RAM allocated to the Docker container.
- **Link to instruction** - URL to documentation or instructions that will appear in the client's service management panel, if provided.
- **Main domain** - The primary domain for accessing NextCloud's web interface. If left empty, the domain specified in the server's **hostname** setting will be used.
- **Subdomain** - Assigns an individual subdomain for each service. If left blank or if the subdomain already exists, it will automatically generate using the format **{user_id}-{service_id}**.
-

Supported Macros for **App Subdomain**:

- **{user_id}** - Client ID
- **{service_id}** - Service ID
- **{random_digit_x}** - Generates random digits (x specifies length)
- **{random_letter_x}** - Generates random letters (x specifies length)
- **{unixtime}** - Current Unix timestamp
- **{year}**, **{month}**, **{day}**, **{hour}**, **{minute}**, **{second}** - Date and time values
- **Notification, used disk space X %** - Defines the percentage threshold of disk usage at

which the client receives a notification alert.

- **Notification disk limit email template** - Select an email template that will be sent automatically when the disk usage threshold is reached.

License key

success: 2026-04-02T13:33:56+02:00

Docker Resources

Disk space

2

GB Ex: 1

CPU

1

Ex: 0.1

RAM

1

GB Ex: 0.1

Notifications

Notify at %

70

Notification when used disk space exceeds this percentage

Email template

puqDockerNextCloud Notification disk limit

Email template used for disk usage notifications

Domain

Main domain

The main domain to which the container subdomain will be added.
If not filled in, the server domain will be used.

Subdomain

{random_digit_6}

The app subdomain.
{user_id}, {service_id}, {random_digit_x}, {random_letter_x}
Unix time: {unixtime} Year: {year} Month: {month} Day: {day} Hour: {hour} Minute: {minute} Second: {second}

Client Area

Link to instruction

https://puqcloud.com/

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

User

Username rule

{client_id}-{service_id}

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

12:123456789QAZWSXEDCRFTGBYHNUJMIKqazwsxedcrftvgbyhnujmikolp

Password generation rule in format length:charset .
Example:
12:1234567890
This will generate a 12-character password using the provided characters.

Switch to Advanced Mode

Metric Billing

Traffic IN (GB)

Configure Pricing

ON

Traffic OUT (GB)

Configure Pricing

ON

Metric Billing

Docker NextCloud module **WHMCS**

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To bill specific metrics individually, you can utilize the standard WHMCS Metric Billing mechanism integrated with the Docker NextCloud module.

To configure Metric Billing, you must activate the relevant metrics and define the desired pricing. Metrics billing utilizes the default WHMCS functionality. For detailed documentation on how WHMCS Metric Billing operates, visit:

<https://docs.whmcs.com/products/configuration-options/usage-billing/>

License key

success: 2026-04-02T13:33:56+02:00

Docker Resources

Disk space

2

GB Ex: 1

CPU

1

Ex: 0.1

RAM

1

GB Ex: 0.1

Notifications

Notify at %

70

Notification when used disk space exceeds this percentage

Email template

puqDockerTextCloud Notification disk limit

Email template used for disk usage notifications

Domain

Main domain

The main domain to which the container subdomain will be added.
If not filled in, the server domain will be used.

Subdomain

(random_digit_0)

The app subdomain.
[user_id], [service_id], [random_digit_x], [random_letter_x]
Unix time: [unixtime] Year: [year] Month: [month] Day: [day] Hour: [hour] Minute: [minute] Second: [second]

Client Area

Link to instruction

https://puqcloud.com/

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

User

Username rule

{client_id}-{service_id}

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_8])
Date & time macros:
[unixtime], [year], [month], [day], [hour], [minute], [second]
Example:
[client_id]-[service_id]-[random_digit_4]
Password rule

12:123456789QAZWSEDCRFTYGBVHJLKMOPASZXCVBNM

Password generation rule in format [length].[charset].
Example:
[12:123456789Q]

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

Switch to Advanced Mode

Metric Billing

Traffic IN (GB)

Configure Pricing

ON

Traffic OUT (GB)

Configure Pricing

ON

Configure Pricing



Traffic IN (GB)

Metric Type: Monthly

Metric Unit: GigaBytes

Pricing

Quantity Included

Scheme:

0.00

☒ Per Unit ⓘ ☐ Total Volume ⓘ ☐ Graduated ⓘ

Price Per GB			
PLN	EUR	UAH	USD
1.00	1.00	1.00	1.00

Close

Save

Email Template (puqDockerNextCloud Welcome Email)

Docker NextCloud module **WHMCS**

[Order now](#) | [Download](#) | [FAQ](#) | [n8n](#)

Create an email template for customer notifications.

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

- **Email Type:** Product/service
- **Unique Name:** puqDockerNextCloud Welcome Email

Create New Email Template

Email Type

Product/Service

Unique Name

puqDockerNextCloud Welcome Email

Cancel

Create

Subject:

NextCloud Service Activation

Body:

Dear {\$client_name},

We are pleased to inform you that your NextCloud service order has been successfully accepted.

Product/Service: {\$service_product_name}

Payment Method: {\$service_payment_method}

Amount: {\$service_recurring_amount}

Billing Cycle: {\$service_billing_cycle}

Next Due Date: {\$service_next_due_date}

Your NextCloud instance is currently being installed and configured. It will be ready for use within approximately 5 minutes.

You can access your NextCloud instance using the following link:

[https://{\\$service_domain}/](https://{$service_domain}/)

On your first login, please use the provided credentials or set up your account if prompted.

Thank you for choosing our services. We look forward to providing you with a secure and powerful NextCloud experience.

Warm regards,

{\$signature}

Subject:

FileEditViewInsertFormatTableHelp

ParagraphVerdana11ptBBISSUAABLinkUnlinkListList

AlignJustifyQuoteUndoRedoCutCopyPasteTableHorizontalRuleOmegaImageVideoPrintFullscreenFindHelpCodeInsertLink

Dear {client_name},

We are pleased to inform you that your NextCloud service order has been successfully accepted.

Product/Service: {service_product_name}
Payment Method: {service_payment_method}
Amount: {service_recurring_amount}
Billing Cycle: {service_billing_cycle}
Next Due Date: {service_next_due_date}

Your NextCloud instance is currently being installed and configured. It will be ready for use within approximately 5 minutes.

You can access your NextCloud instance using the following link:

https://{service_domain}/

On your first login, please use the provided credentials or set up your account if prompted.

Thank you for choosing our services. We look forward to providing you with a secure and powerful NextCloud experience.

Warm regards,
{signature}

P

107 WORDS POWERED BY TINYMCE

Email Template

(puqDockerNextCloud Update Email)

Docker NextCloud 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:** puqDockerNextCloud Update Email

Create New Email Template

Email Type

Product/Service

Unique Name

puqDockerNextCloud Update Email

Cancel

Create

Subject:

NextCloud Service Update Notification

Body:

Dear {\$client_name},

Your NextCloud instance is currently undergoing a routine update to enhance performance and security.

You will be able to access your NextCloud service again within approximately 3 minutes.

Access your NextCloud server here:

[https://{\\$service_domain}/](https://{$service_domain}/)

Thank you for your patience and for choosing our NextCloud services.

Best regards,
{\$signature}

Subject:

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

Paragraph ▾ Verdana ▾ 11pt ▾

B *I* ~~S~~ U A ▾ **A** ▾    ▾  ▾

         ▾            

Dear { \$client_name },

Your NextCloud instance is currently undergoing a routine update to enhance performance and security.

You will be able to access your NextCloud service again within approximately 3 minutes.

Access your NextCloud server here:

[https://{ \\$service_domain }/](https://{ $service_domain }/)

Thank you for your patience and for choosing our NextCloud services.

Best regards,
{ \$signature }

P

52 WORDS POWERED BY TINYMCE 

Email Template

(puqDockerNextCloud Notification disk limit)

Docker NextCloud 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:** puqDockerNextCloud Notification disk limit

Create New Email Template

Email Type

Product/Service

Unique Name

puqDockerNextCloud Notification disk limit

Cancel

Create

Subject:

NextCloud Disk Usage Alert: {{disk_used_percentage}}% Used

Body:

Dear {{client_name}},

We would like to inform you that your NextCloud service is approaching its disk space limit. Please take immediate action to avoid any potential interruptions to your service.

Service Details:

Product/Service: {{service_product_name}}

Domain: {{service_domain}}

Total Disk Space: {{disk_total}}

Used Disk Space: {{disk_used}} ({{disk_used_percentage}}%)

Consider removing unnecessary files, or contact us to upgrade your disk space plan.

Thank you for your attention.

Best regards,

{{signature}}

Subject: Disk space usage { \$disk_used_percentage}%

FileEditViewInsertFormatTableHelp

ParagraphVerdana11ptBBIUAAlinkunlinkbulletedlistnumberedlist

indentdeindentquoteleftquoterightundoredoformatlinkunlinktableborderbackgroundcolorfontcolortablebackgroundcolorhelpcodeinsertcomment

Dear { \$client_name },

We want to inform you that your **NectCloud** service is running low on disk space.
Please take action to prevent service interruptions.

Service Details:

- **Product/Service:** { \$service_product_name }
- **Domain:** { \$service_domain }
- **Total Disk Space:** { \$disk_total }
- **Used Disk Space:** { \$disk_used } ({ \$disk_used_percentage } %)

Consider freeing up space or upgrading your plan if needed.

{ \$signature }

58 WORDS POWERED BY TINYMCE

Configurable Option (CPU/RAM/DISK)

Docker NextCloud module **WHMCS**

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In order for the client to have a choice of operating system in the configuration of the virtual machine for NextCloud, you need to configure the Configurable Options and link them to the package.

Create Group

Add new Configurable Option to WHMCS

System Settings -> Configurable Option -> Create a New Group

 Configuration

[General Settings](#)
[Apps & Integrations](#)
[Sign-In Integrations](#)
[Automation Settings](#)
[MarketConnect](#)
[Notifications](#)
[Storage Settings](#)
[Application Links](#)
[OpenID Connect](#)
[Email Templates](#)
[Addon Modules](#)
[Client Groups](#)
[Custom Client Fields](#)
[Fraud Protection](#)

 Staff Management

[Administrator Users](#)
[Administrator Roles](#)
[Two-Factor Authentication](#)
[Manage API Credentials](#)

 Payments

[Currencies](#)
[Payment Gateways](#)
[Tax Configuration](#)
[Promotions](#)

 Products/Services

[Products/Services](#)
[Configurable Options](#)
[Product Addons](#)
[Product Bundles](#)
[Domain Pricing](#)
[Domain Registrars](#)

Configurable Option Groups

Configurable options allow you to offer addons and customisation options with your products.

 Create a New Group

 Duplicate a Group

Group Name
KVM-2/2/10
KVM-4/4/20
Operating system
VPS-WAW-WIN

Enter the group name, description, and select the products you need.

Group Name: NextCloud

Configurable Option Groups

Create a New Group

Group Name

Docker|

Description

Assigned Products

Application - Immich
Docker Immich - Docker Immich 100GB
Docker n8n - Docker n8n 1GB
Docker n8n - Docker n8n 2GB
Docker Grafana - Docker Grafana 1GB
Docker InfluxDB - Docker InfluxDB 1GB
Docker NextCloud - Docker NextCloud
Docker MinIO - Docker MinIO 10GB

Save Changes

Back to Groups List

Add Configurable Option

Configurable Options

Add New Configurable Option

Option	Sort Order	Hidden		
CPU CPU	0	☐		
RAM MEM	0	☐		
DISK Disk	0	☐		

Save Changes

Back to Groups List

CPU|CPU – The first element before must remain unchanged, the second is the label shown to clients

Configurable Options

Option Name: CPU|CPU

Option Type: Dropdown

Options			One Time/ Monthly	Quarterly
1 1 Core	EUR	Setup	0.00	0.00
		Pricing	0.00	0.00
	PLN	Setup	0.00	0.00
		Pricing	0.00	0.00
	UAH	Setup	0.00	0.00
		Pricing	0.00	0.00
2 2 Cores	EUR	Setup	0.00	0.00
		Pricing	5.00	0.00
	PLN	Setup	0.00	0.00
		Pricing	5.00	0.00
	UAH	Setup	0.00	0.00
		Pricing	5.00	0.00

The first part in the option is responsible for the quantity, and the second is just a description.

RAM|MEM – The first element before must remain unchanged, the second is the label shown to clients

Configurable Options

Option Name: RAM | MEM

Option Typ

Options		One Tim		Monthl
1 1 GiB	EUR	Setup	0.00	
		Pricing	0.00	
	PLN	Setup	0.00	
		Pricing	0.00	
	UAH	Setup	0.00	
		Pricing	0.00	
2 2 GiB	EUR	Setup	0.00	
		Pricing	5.00	
	PLN	Setup	0.00	
		Pricing	5.00	
	UAH	Setup	0.00	
		Pricing	5.00	
4 4 GiB	EUR	Setup	0.00	
		Pricing		

The first part in the option is responsible for the quantity, and the second is just a description.

DISK|Disk – The first element before `|` must remain unchanged, the second is the label shown to clients

Configurable Options

Option Name: DISK | Disk

Option Type:

Options			One Time/ Monthly
51 50 GB	EUR	Setup	0.00
		Pricing	0.00
	PLN	Setup	0.00
		Pricing	0.00
	UAH	Setup	0.00
		Pricing	0.00
102 100 GB	EUR	Setup	0.00
		Pricing	25.00
	PLN	Setup	0.00
		Pricing	25.00
	UAH	Setup	0.00
		Pricing	25.00
152 150 GB	EUR	Setup	0.00
		Pricing	0.00
	PLN	Setup	0.00
		Pricing	0.00
	UAH	Setup	0.00
		Pricing	0.00

The first part in the option is responsible for the quantity, and the second is just a description.

Admin Area

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

Product Information

Docker NextCloud module **WHMCS**

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Admin Panel - Container Management Overview

The **admin panel** is designed to simplify management and is divided into clear sections, providing intuitive controls and real-time data for your NextCloud instance.

Control Buttons

- **Container Start / Stop** – Initiates or stops the NextCloud container seamlessly.
- **Mount Disk / Unmount Disk** – Allows administrators to securely attach or detach the container's storage volume, ensuring correct mounting via modifications to the **fstab** file.

Container Status & Resource Monitoring

- **Status** – Clearly indicates the container's operational status (Running / Stopped).
- **Name** – Unique identifier and associated domain for easy reference.
- **CPU Usage** – Real-time monitoring of container CPU consumption.
- **Memory Usage** – Live updates on RAM usage.
- **Disk IO & Disk Mounted** – Detailed input/output activity and mount status of the disk.
- **Disk File** – Real-time size display of the disk image file.
- **Network IO** – Comprehensive data on network traffic to and from the container.
- **Log Button** – Provides immediate access to detailed logs for effective troubleshooting and monitoring.

Application Information & User Management

- **Version** – Current NextCloud application version.
- **Owner** – Designated administrative manager.
- **Users** – List and management of active users with application access.

NextCloud Office Integration

- **Real-time Collaboration** – Team members can simultaneously collaborate on documents, spreadsheets, and presentations.
- **Secure File Sharing** – Robust permissions settings for secure internal and external sharing.
- **Enhanced Productivity** – Integrated tools streamline workflow, allowing teams to achieve more efficiently.

Module Commands

CreateSuspendUnsuspendTerminateChange PackageContainer StartContainer StopMount diskUnmount disk

API Connection status

API Connection OK

Container

RefreshLog

StatusRunning

Namenextcloud-2-5365.app.d01-test.uuq.pl_nextcloud (2222cabdf9f7)

CPU usage

135.2%

Memory usage

110.6MiB / 1GiB

10.8%89.2%

Disk IO

499MB / 829MB

Disk mounted

659M/2.0G

37%63%

Disk file

519M

Network IO

838B / 126B

Dependent Containers

Refresh

StatusRunning

Namenextcloud-2-5365.app.d01-test.uuq.pl_collabora (3fa23c369e20)

CPU usage

100.04%

Memory usage

199MiB / 512MiB

38.66%61.14%

StatusRunning

Namenextcloud-2-5365.app.d01-test.uuq.pl_db (9cf5e2bd1120)

CPU usage

98.92%

Memory usage

270.7MiB / 512MiB

52.87%47.13%

StatusRunning

Namenextcloud-2-5365.app.d01-test.uuq.pl_redis (30285537aeac)

CPU usage

99.22%

Memory usage

8.059MiB / 256MiB

0.15996.85%

App

Refresh

Failed to retrieve Nextcloud status for nextcloud-2-5365.app.d01-test.uuq.pl_nextcloud

Metric Statistics

Metric	Enabled	Current Usage	Last Update
Traffic IN (GB)	✓	0.15 GB	11 hours ago
Traffic OUT (GB)	✓	0.06 GB	11 hours ago

Refresh Now

Client Area

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

Home screen

Docker NextCloud module **WHMCS**

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Client Area Overview - Logical Structure

The **main screen** of the client area for the NextCloud service is divided into **three logical sections**:

1. Navigation Block

- **"Go to NextCloud"**: Direct link to your NextCloud web interface.
- **"User Manual"**: Provides direct access to official NextCloud documentation and user guides.

2. Resource Usage Block

- Displays real-time metrics about your NextCloud container's resource utilization:
 - **CPU Usage**: Displays allocated CPUs and current load percentage.
 - **Memory Usage**: Shows RAM consumption, providing clarity on resource availability.
 - **Disk Usage**: Indicates used and available storage space within the container.
- Helps users **monitor container performance** and assess whether a **plan upgrade** might be necessary.

3. Application Information & Controls

- **NextCloud Version**: Shows the installed version of NextCloud.
- **Administrator Information**: Identifies the primary account managing the NextCloud instance.
- **User List**: Displays all active users associated with the NextCloud instance.
- **Reset Password Button**: Enables administrators to reset their login password conveniently.

This **clear and intuitive structure** ensures users have **easy access** to their NextCloud instance, facilitates **efficient real-time monitoring** of resources, and centralizes **critical management functionalities** for streamlined operation.

[Go to NextCloud](#)[User manual](#)

Status

Status: **running**



CPU usage:

1 CPU

99.99%



Memory usage:

326.6MiB / 2GiB

15.95%

84.05%



Disk usage:

1.1G / 51G

3.0

97.00%

NextCloud

[Go to NextCloud](#)

<https://393011.d01-test.uuq.pl/>

[Change Owner Password](#)

Username:

f28av879zy



Password:

.....



Version:

31.0.0



Owner:

f28av879zy

IP Access Control

Docker NextCloud module **WHMCS**

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In the client area, customers have the ability to manage access to their **NextCloud** instance by defining a list of allowed IP addresses. This is configured in the **Restrict by IP** section of the service panel.

Only the IP addresses listed in this section will be allowed to connect to the NextCloud container. All other connections will be blocked for enhanced security.

Note: If no IP addresses are added, the system will allow access from any IP address by default.

[Portal Home](#) / [Client Area](#) / [My Products & Services](#) / [Product Details](#)

★ Overview ^

i Information

🛡️ Restrict by IP

↺ Reinstall

🔧 Actions ^

↑ Upgrade/Downgrade

⌛ Request Cancellation

Dev License: This installation of WHMCS is running under a Development License and is not authorized to be used for production use. Please report any cases of abuse to abuse@whmcs.com

IP Access Control

If IP is not specified, access is not limited

<https://nextcloud-2-5365.app.d01-test.uuq.pl>

👤 WEB:

Save

Reinstall

Docker NextCloud module **WHMCS**

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Clients have the ability to **fully reinstall their NextCloud instance** directly from the client area. This feature is helpful in cases where a clean setup is needed due to misconfiguration or performance issues.

Important: Reinstalling the instance will result in **permanent data loss**. All files, user accounts, and settings stored within the container will be erased and replaced with a fresh NextCloud installation.

The reinstall process can be launched from the **Reinstall** page in the client interface. To avoid accidental reinstallation, the module includes a **confirmation prompt** to protect the user from unintended actions.

Portal Home / Client Area / My Products & Services / Product Details

★ Overview ^

i Information

🛡️ Restrict by IP

↺ Reinstall

🔧 Actions ^

⬆️ Upgrade/Downgrade

🔄 Request Cancellation

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You are in the area of reinstalling service.
You must be aware of what you will do here.
Reinstalling the service, completely remove all data.
To protect against accidental reinstallation.
Please enter the word: **reinstall** In capital letters.

↺ Reinstall

Metrics

Docker NextCloud module **WHMCS**

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If you are using metric-based billing for your NextCloud service (e.g., billing based on bandwidth, disk usage, or other resource consumption), the **Metrics** tab in the client area provides detailed usage statistics.

This data can help users monitor their usage trends and predict when they may need to upgrade or adjust their current plan. Administrators can also use this data for transparent and accurate billing.

- ★ Overview ^
- i Information
- 🛡️ Restrict by IP
- 🔄 Reinstall
- 🔧 Actions ^
- ⬆️ Upgrade/Downgrade
- 🚫 Request Cancellation

Dev License: This installation of WHMCS is running under a Development License and is not authorized to be used for production use. Please report any cases of abuse to abuse@whmcs.com



Docker NextCloud - 1

Docker NextCloud

ACTIVE

⬆️ Upgrade

🚫 Request Cancellation

Registration Date

Wednesday, March 26th, 2025

First Payment Amount

2.00 EUR

Recurring Amount

1.00 EUR

Billing Cycle

Monthly

Next Due Date

Saturday, April 26th, 2025

Payment Method

PayPal

🌐 Manage

📊 Metrics

This product has usage-based billing charges in addition to the base price. Usage metrics and their pricing information are displayed below.

Metric	Current Usage	Pricing	Last Update
Traffic IN (GB)	0.19 GB	10.00 EUR / GB	4 hours ago
Traffic OUT (GB)	0.07 GB	10.00 EUR / GB	4 hours ago