

# 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.

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# 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](#))

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# 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).
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# 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.

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

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

Status:

running



CPU usage:

2 CPU

99.99%



Memory usage:

290.8MiB / 1GiB

28.4%

71.6%



Disk usage:

1.1G / 2.0G

62%

38%

<https://nextcloud-2-5364.app.d01-test.uuq.pl/>[Change Owner Password](#)

Username:

c23en8zy8w



Password:

1UyV0i:4xBUp6[



Version:

31.0.0



Owner:

c23en8zy8w

Container

Refresh

Log

Status	Running
Name	nextcloud-2-5364.app.d01-test.uuq.pl_nextcloud (46671435833e)
CPU usage	<div><div>11.25%</div><div>88.75%</div></div>
Memory usage	<div>418MiB / 1GiB</div> <div><div>40.82%</div><div>59.18%</div></div>
Disk IO	2.44GB / 2.07GB
Disk mounted	<div>1.1G/2.0G</div> <div><div>62%</div><div>38%</div></div>
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	<div><div>99.8%</div></div>
Memory usage	<div>737.4MiB / 31.34GiB</div> <div><div>2.31</div><div>97.7%</div></div>

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

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

App

Refresh

Version	31.0.0
Users	c23en8zy8w

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 rdn.
  - 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-ssl -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.
- docker\_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\_left
- screen\_right

### Additional Resources

- Full documentation: <https://github.com/PUQcloud/nextcloud-api>
- Docker WHMCS/WISECP module: <https://github.com/PUQcloud/whmcs-wisecp-module>

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

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Inspect

Service Actions

Change Package

Terminated

Unsuspend

Suspend

Deploy

Test Connection

Deploy-docker-compose

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