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Setting up n8n workflow

Docker MinIO module **WHMCS**

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Overview

The **Docker MinIO WHMCS module** uses a specially designed workflow for **n8n** to automate deployment processes. The workflow provides an API interface for the module, receives specific commands, and connects via SSH to a server with Docker installed to perform predefined actions.

Prerequisites

- You must have your own **n8n** server.
- Alternatively, you can use the official **n8n** cloud installations available at: n8n Official Site

Installation Steps

Install the Required Workflow on n8n

You have two options:

Option 1: Use the Latest Version from the n8n Marketplace

- The latest workflow templates for our modules are available on the official n8n

marketplace.
- Visit our profile to access all available templates: PUQcloud on n8n

Option 2: Manual Installation

- Each module version comes with a workflow template file.
- You need to manually import this template into your n8n server.

n8n Workflow API Backend Setup for WHMCS

Configure API Webhook and SSH Access

- Create a **Basic Auth Credential** for the Webhook API Block in n8n.
- Create an **SSH Credential** for accessing a server with Docker installed.

Modify Template Parameters

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

- `server_domain` — Must match the domain of the WHMCS Docker server.
- `clients_dir` — Directory where user data related to Docker and disks 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`

Deploy-docker-compose

In the **Deploy-docker-compose** element, you have the ability to modify the Docker Compose configuration, which will be generated in the following scenarios:

- When the service is created
- When the service is unlocked
- When the service is updated

nginx

In the **nginx** element, you can modify the configuration parameters of the web interface proxy server.

- The **main** section allows you to add custom parameters to the **server** block in the proxy server configuration file.
- The **main_location** section contains settings that will be added to the **location /** block of the proxy server configuration. Here, you can define custom headers and other parameters specific to the root location.
- The **console** section allows you to add custom parameters to the **server** block in the WEB console proxy server configuration file.
- The **console_location** section contains settings that will be added to the **location /** block of the WEB console proxy server configuration. Here, you can define custom headers and other parameters specific to the root location of WEB console.

Bash Scripts

Management of Docker containers and all related procedures on the server is carried out by executing Bash scripts generated in **n8n**. These scripts return either a JSON response or a string.

- All scripts are located in elements directly connected to the **SSH** element.
- You have full control over any script and can modify or execute it as needed.

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