

Docker Grafana WHMCS module

A module for WHMCS that uses n8n workflows to deploy the Grafana service using Docker.

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- Metrics

Description

Docker Grafana 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>

The **WHMCS Docker Grafana module** is designed for automated provisioning and management of **Grafana** instances on a Docker server. It seamlessly integrates with WHMCS, allowing businesses to sell and manage **Grafana** services efficiently.

Key Features

Automated Container Management

- Automatic creation of an **Grafana** 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 **Grafana** 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 Grafana 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 **Grafana instances** through WHMCS easy, automated, and flexible!  

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

Status:

running



CPU usage:

1 CPU

2.1%

97.67%



Memory usage:

82.08MiB / 1GiB

8.02%

91.98%



Disk usage:

21M / 974M

3%

97%



Grafana

<https://1-5355.d01-test.uuq.pl/>

Username:

utGHzj



Password:

.....

[Change Administrator Password](#)

Version:

11.5.2



Administrator:

utGHzj

Module Commands

CreateSuspendUnsuspendTerminateChange PackageContainer StartContainer StopMount diskUnmount disk

API Connection status

API Connection OK

RefreshLog

Container

StatusRunning

Name1-5355.d01-test.uuq.pl (492a9d57f8ee)

CPU usage4.27%95.73%

Memory usage82.06MiB / 1GiB8.01%91.99%

Disk IO1.04MB / 47.9MB

Disk mounted21M/974M3%97%

Disk file58M

Network IO12.3MB / 46.1MB

Refresh

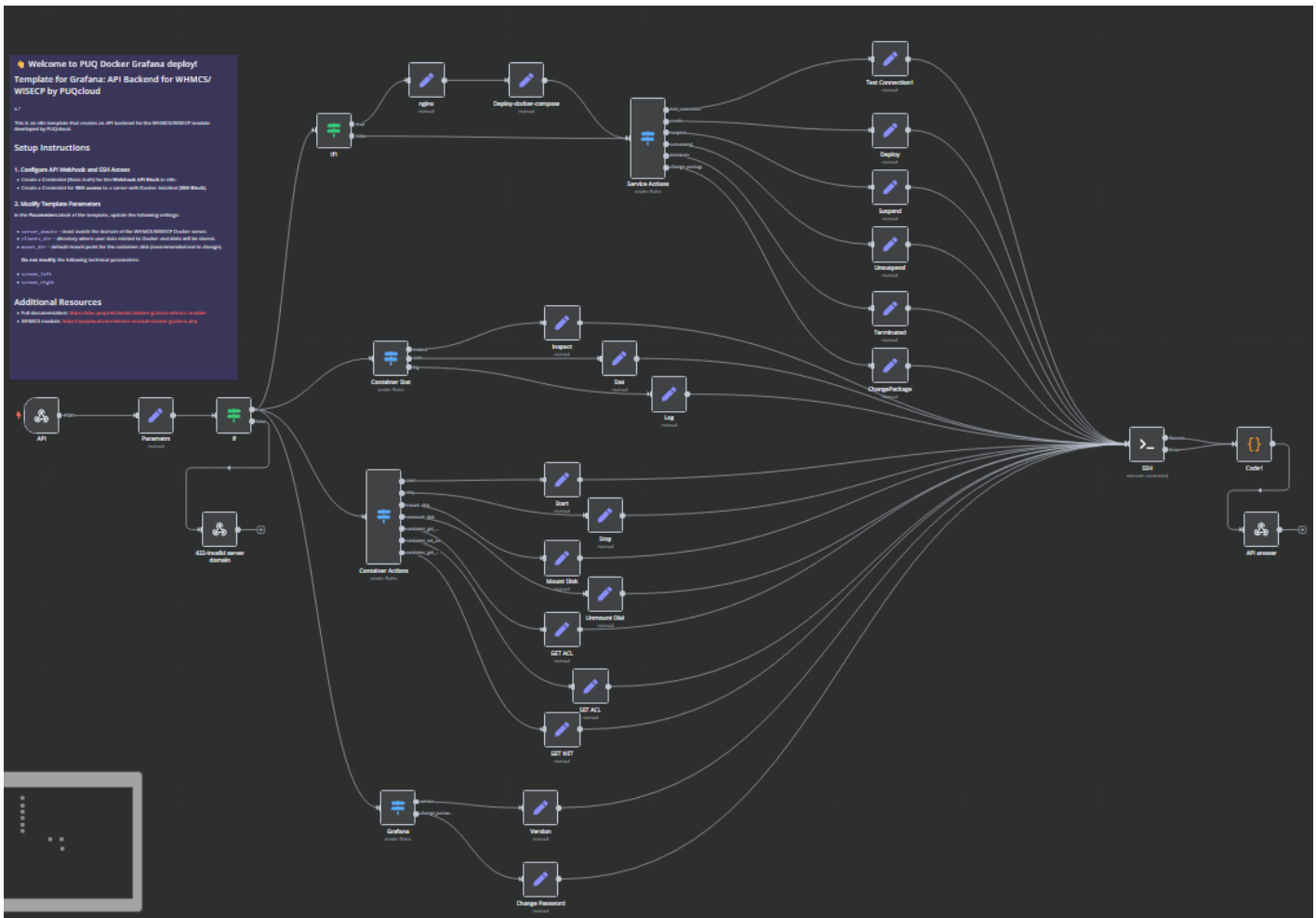
App

Version11.5.2

Metric Statistics

Metric	Enabled	Current Usage	Last Update
Traffic IN (GB)	✓	0.01 GB	1 second ago
Traffic OUT (GB)	✓	0.04 GB	1 second ago

Refresh Now



What is Grafana

Docker Grafana module **WHMCS**

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Grafana is an open-source platform for monitoring, visualization, and analysis of time-series data. It allows users to create dashboards and graphs to gain insights from various data sources in real-time. Originally developed by Torkel Ödegaard in 2014, Grafana has grown into one of the most popular tools for observability and analytics, used by developers, IT operations teams, and businesses worldwide.

Key Features of Grafana

1. **Custom Dashboards** – Users can build interactive dashboards with panels that display data from multiple sources.
2. **Wide Range of Data Sources** – Supports Prometheus, InfluxDB, Elasticsearch, MySQL, PostgreSQL, Loki, and many more.
3. **Alerting System** – Configurable alerts with notifications via Slack, PagerDuty, email, and other channels.
4. **User Management & Authentication** – Role-based access control (RBAC) and integration with OAuth, LDAP, and other authentication systems.
5. **Plugins & Extensibility** – Numerous plugins available for additional visualizations and data sources.
6. **Annotations** – Add context to graphs with notes about specific events.
7. **Multi-Tenancy** – Supports multiple organizations with isolated dashboards and data sources.
8. **Enterprise Support** – A commercial version provides enhanced security, scalability, and team collaboration features.

Where is Grafana Used?

Grafana is widely used in various industries and IT environments, including:

1. IT Infrastructure Monitoring

- Used for tracking system performance, CPU usage, memory consumption, network statistics, and application uptime.
- Works with Prometheus, Zabbix, and Nagios to visualize real-time metrics.

2. Cloud & DevOps Monitoring

- Monitors Kubernetes clusters, Docker containers, and cloud-based services like AWS, Azure, and Google Cloud.
- Helps DevOps teams with CI/CD pipelines by integrating with Jenkins, GitLab CI/CD, and other tools.

3. Application Performance Monitoring (APM)

- Monitors application logs, traces, and request latencies by integrating with Loki, Jaeger, and OpenTelemetry.
- Helps developers diagnose performance bottlenecks and optimize application behavior.

4. Business Analytics & Finance

- Used in financial institutions for tracking market trends, sales performance, and operational analytics.
- Can visualize data from SQL databases like MySQL and PostgreSQL for business intelligence purposes.

5. IoT and Industrial Monitoring

- Monitors sensor data from IoT devices in real-time.
- Used in industries like manufacturing, energy, and smart cities to track environmental conditions and equipment status.

What Data Sources Can Grafana

Work With?

Grafana supports a wide variety of data sources, making it a highly flexible visualization tool:

- **Time-Series Databases:** Prometheus, InfluxDB, Graphite
- **SQL Databases:** MySQL, PostgreSQL, Microsoft SQL Server
- **Logging and Tracing Tools:** Elasticsearch, Loki, Jaeger, OpenTelemetry
- **Cloud Services:** AWS CloudWatch, Google Cloud Monitoring, Azure Monitor
- **Monitoring Tools:** Zabbix, Nagios, New Relic, Datadog
- **IoT and Industrial Data:** OPC-UA, MQTT, ThingsBoard

How Grafana Works

Grafana operates as a web-based application, typically deployed as a service accessible via a browser. The workflow involves:

1. **Connecting Data Sources:** Configure one or more data sources like Prometheus, InfluxDB, or MySQL.
2. **Building Dashboards:** Create panels displaying metrics in graphs, tables, or heatmaps.
3. **Setting Alerts:** Define thresholds and notification channels for real-time alerts.
4. **User Access Management:** Configure authentication and permissions for different users and teams.
5. **Extending with Plugins:** Add visualization types, new data sources, or integrations with external systems.



Conclusion

Grafana is a powerful and versatile tool for visualizing and monitoring data across various domains. Its ability to integrate with numerous data sources and provide interactive dashboards makes it an essential tool for IT professionals, developers, and businesses. Whether you need to monitor cloud infrastructure, track application performance, analyze business data, or oversee industrial processes, Grafana provides an intuitive and highly customizable solution.

Changelog

Docker Grafana module **WHMCS**

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v1.0 Released 24-03-2025

First version

Installation and configuration guide

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>

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

The system consists of three core components:

WHMCS Module

The **core component**, installed in WHMCS, manages service provisioning and automation from the WHMCS side.

Debian 12 Server

A server running **Debian 12** with the following pre-installed:

 **Docker** – For container management

We have prepared instructions for installing and configuring Docker

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

n8n Server

This server facilitates communication between the WHMCS module and the Docker server, ensuring smooth workflow execution.

To explore n8n's full potential, visit the [official n8n website](#) for documentation, tutorials, and community support.

Key Features & Concepts

Workflow Automation

n8n provides a **graphical workflow builder**, allowing users to automate various tasks, such as:

- ✓ **Sending notifications**
- ✓ **Configuring firewalls** on external routers
- ✓ **Managing DNS settings**
- ✓ **Custom automation processes** tailored to specific needs

Flexibility & Customization

The module offers **personalized settings** and supports **elastic automation**, giving clients full control over their n8n workflows.

WHMCS setup (install/update)

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Module is coded ionCube v13

Supported php version:

- php 7.4 WHMCS 8.11.0 -
- php 8.1 WHMCS 8.11.0 +
- php 8.2 WHMCS 8.11.0 +

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-Grafana/php82/PUQ_WHMCS-Docker-Grafana-latest.zip
```

PHP 8.1

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Docker-Grafana/php81/PUQ_WHMCS-Docker-Grafana-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Docker-Grafana/php74/PUQ_WHMCS-
```



```
Docker-Grafana-latest.zip
```

All versions are available via link:

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

2. Unzip the archive with the module.

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

3. Copy and Replace "puqDockerGrafana" from "PUQ_WHMCS-Docker-Grafana" to "WHMCS_WEB_DIR/modules/servers/"

Preparing Docker Server

Docker Grafana 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 Grafana module **WHMCS**

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Overview

The **Docker Grafana 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

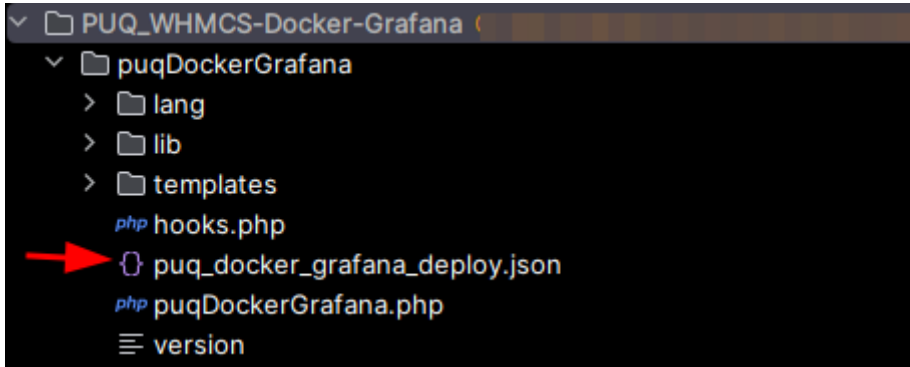
You have two options:

Option 1: Use the Latest Version from the n8n Marketplace

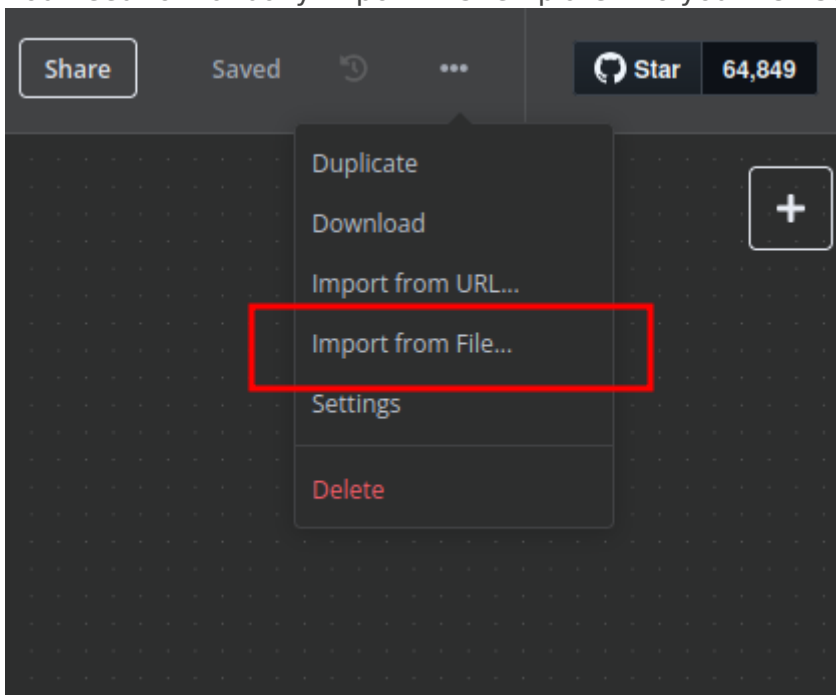
- The latest workflow templates for our modules are available on the official n8n marketplace.
- Visit our profile to access all available templates: [PUQcloud on n8n](#)

Option 2: Manual Installation

- Each module version comes with a workflow template file.



- You need to manually import this template into your n8n server.

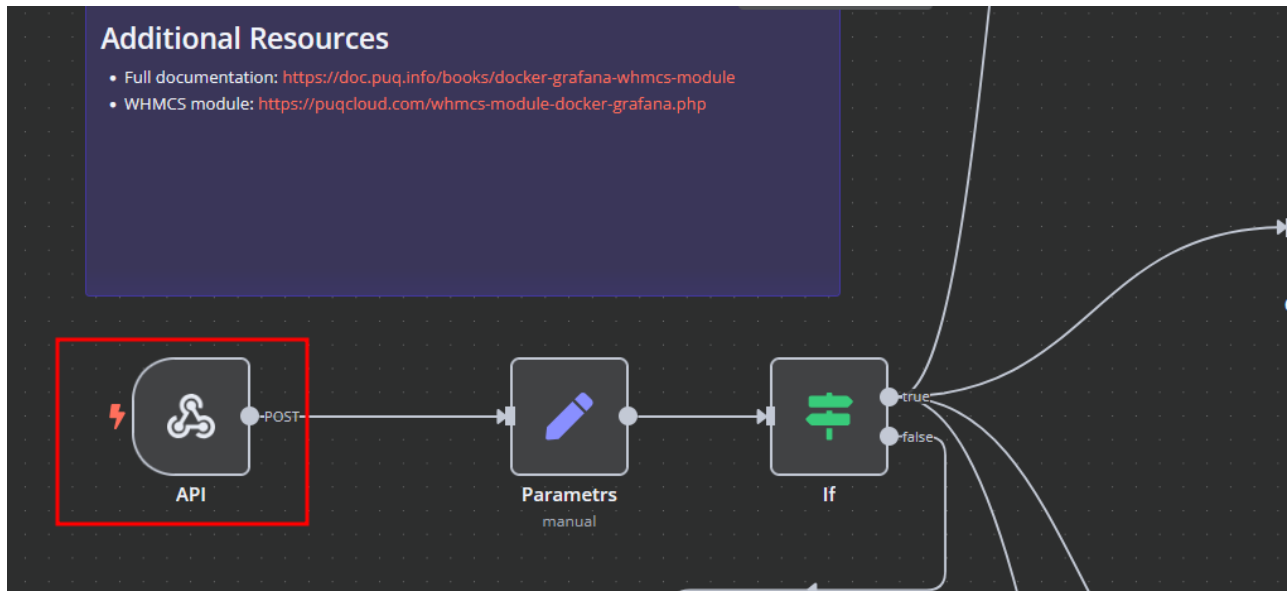


n8n Workflow API Backend Setup for WHMCS/WISECP

Configure API Webhook and SSH Access

- Create a **Basic Auth Credential**

for the Webhook API Block in n8n.





API

Listen for test event

Parameters

Settings

Docs

Webhook URLs

Test URL

Production URL

POST

https://n8n.puqcloud.com/webhook-test/docker-grafana

HTTP Methods

POST

Path

docker-grafana

Authentication

Basic Auth

Credential for Basic Auth

Grafana

Basic Auth

Immich

Basic Auth

InfluxDB

Basic Auth

MinIO

Basic Auth


n8n



Basic Auth

Vaultwarden

Basic Auth

+ Create new credential

 **Grafana**
Basic Auth

Connection

Need help filling out these fields? [Open docs](#)

Sharing

User

Grafana

Details

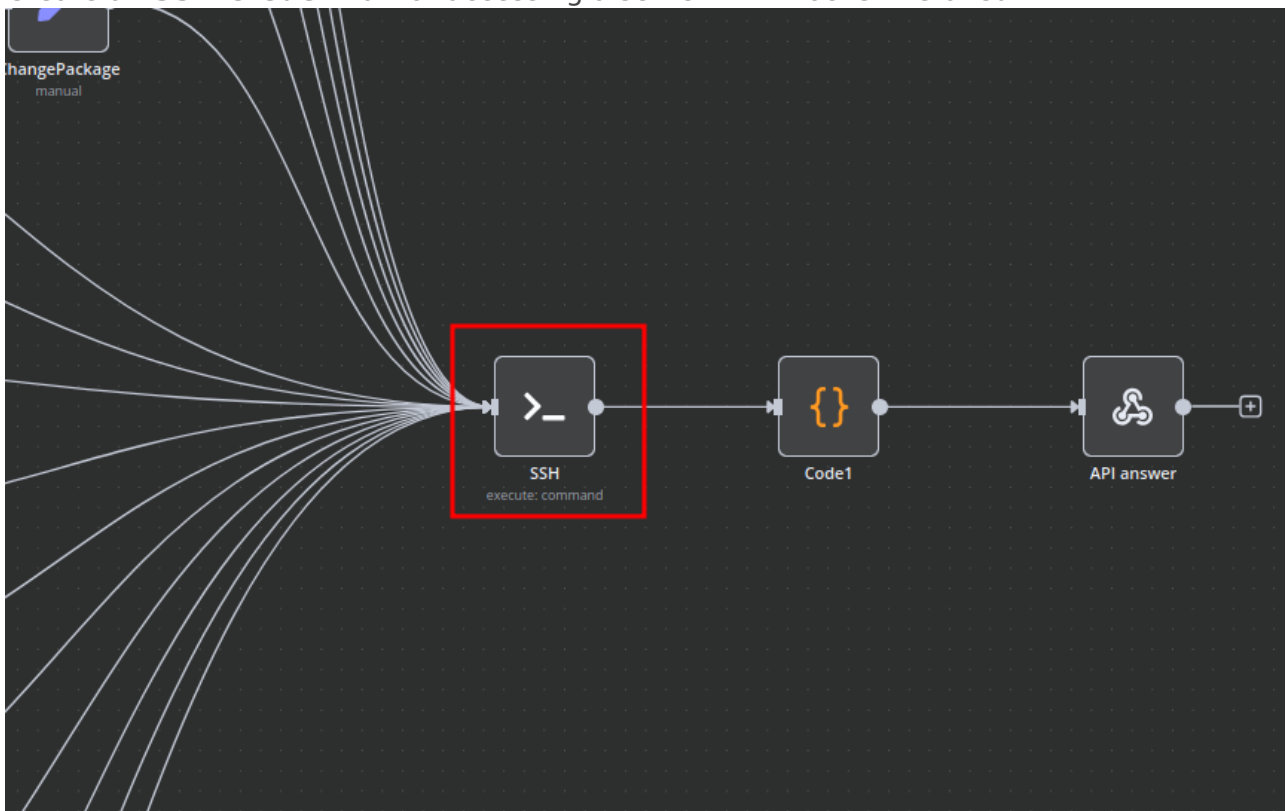
Password

••••

ⓘ

Enterprise plan users can pull in credentials from external vaults. [More info](#)

- Create an **SSH Credential** for accessing a server with Docker installed.



> SSH

Test step

Parameters

Settings

Docs

Credential to connect with

d01-test.uuq.pl-puq

d01-test.uuq.pl-puq
SSH Password

+ Create new credential

Execute

Command

fx {{ \$json.sh }}

Working Directory

fx /

>

d01-test.uuq.pl-puq

SSH Password

×

Connection

Sharing

Details

✔ Connection tested successfully

Retry

Need help filling out these fields? [Open docs](#)

Host *

d01-test.uuq.pl

Port *

22

Username

puq

Password

.....

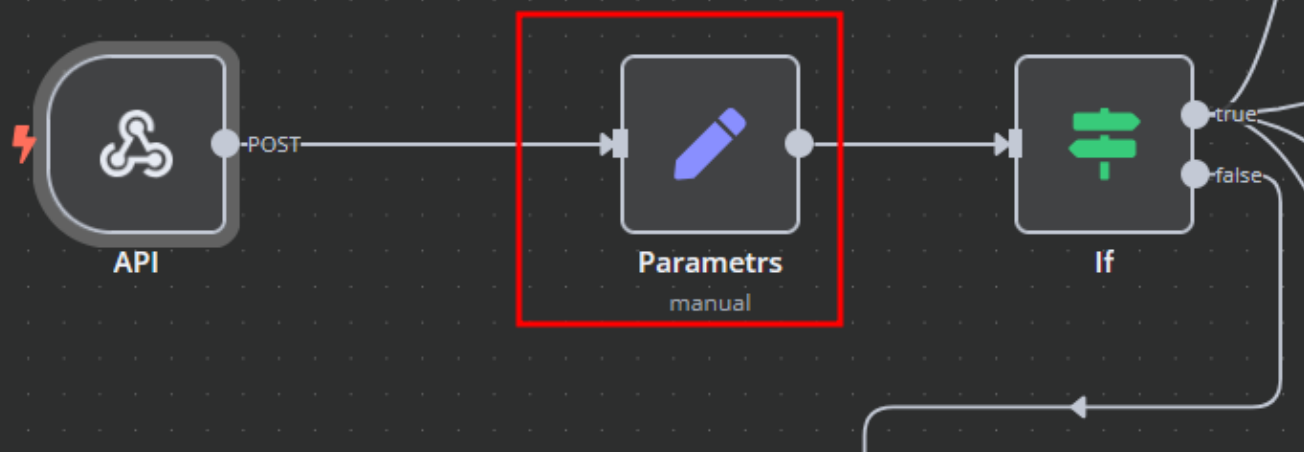
ⓘ Enterprise plan users can pull in credentials from external vaults. [More info](#)


Modify Template Parameters

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

Additional Resources

- Full documentation: <https://doc.puq.info/books/docker-grafana-whmcs-module>
- WHMCS module: <https://puqcloud.com/whmcs-module-docker-grafana.php>



 **Parameters**

Test step

ParametersSettingsDocs

Mode

Manual Mapping

Fields to Set

server_domain

A String

d01-test.uuq.pl

[empty]

clients_dir

A String

/opt/docker/clients

[empty]

mount_dir

A String

/mnt

[empty]

screen_left

A String

{{

[empty]

screen_right

A String

}}

[empty]

- `server_domain` – Must match the domain of the WHMCS/WISECP 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).

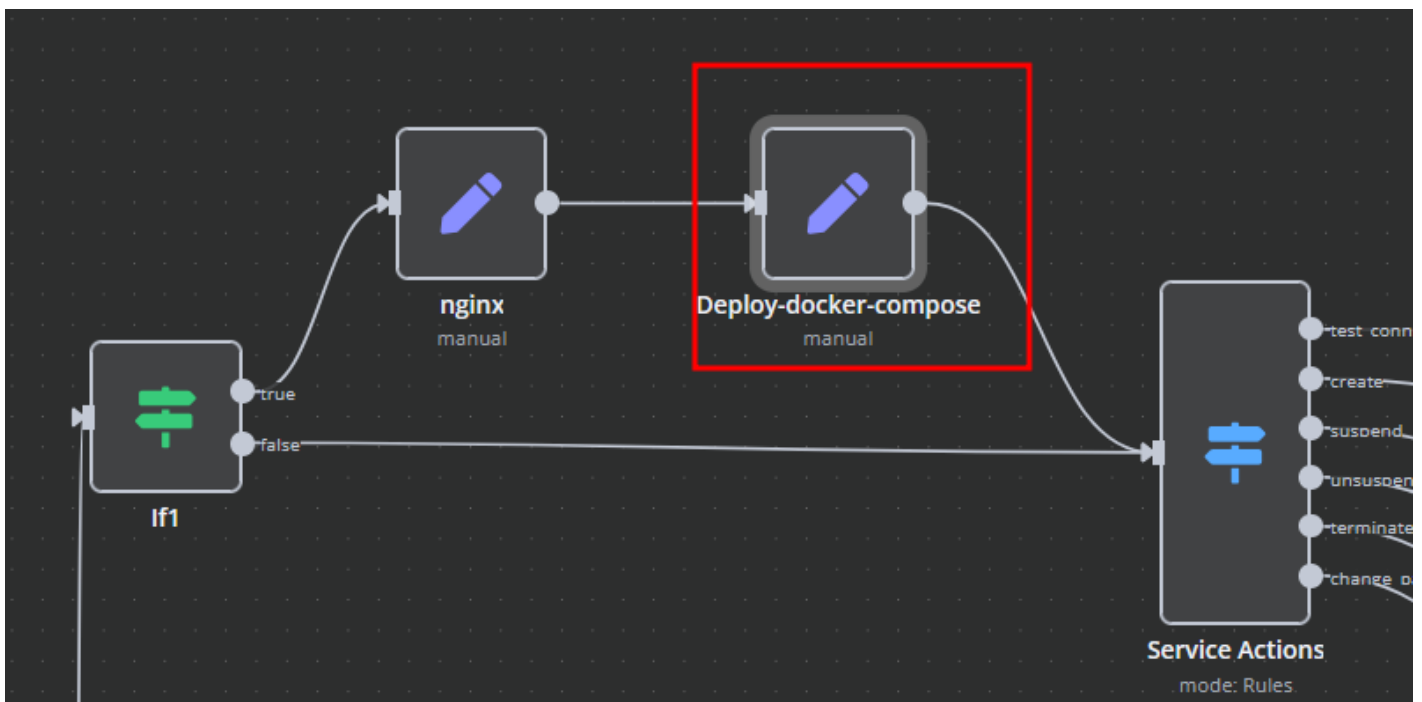
Do not modify the following technical parameters:

- `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



Expression

Anything inside `{{ }}` is JavaScript. [Learn more](#)

```
name: "{{ $('API').item.json.body.domain }}"

services:
  "{{ $('API').item.json.body.domain }}":
    container_name: "{{ $('API').item.json.body.domain }}"
    image: grafana/grafana:latest
    restart: unless-stopped
    volumes:
      - "{{ $('Params').item.json.mount_dir }}" / "{{ $('API').item.json.body.domain }}" / data: /var/
lib/grafana
      - "{{ $('Params').item.json.mount_dir }}" / "{{ $('API').item.json.body.domain }}" / logs: /var/
log/grafana
      - "{{ $('Params').item.json.mount_dir }}" / "{{ $('API').item.json.body.domain }}" /
provisioning:/etc/grafana/provisioning
    environment:
      - LETSENCRYPT_HOST={{ $('API').item.json.body.domain }}
      - VIRTUAL_HOST={{ $('API').item.json.body.domain }}
      - GF_SECURITY_ADMIN_USER={{ $('API').item.json.body.username }}
      - GF_SECURITY_ADMIN_PASSWORD={{ $('API').item.json.body.password }}
      - GF_PATHS_CONFIG=/etc/grafana/grafana.ini
    healthcheck:
      disable: false
    networks:
      - nginx-proxy_web
    mem_limit: "{{ $('API').item.json.body.ram }}"G
    cpus: "{{ $('API').item.json.body.cpu }}"

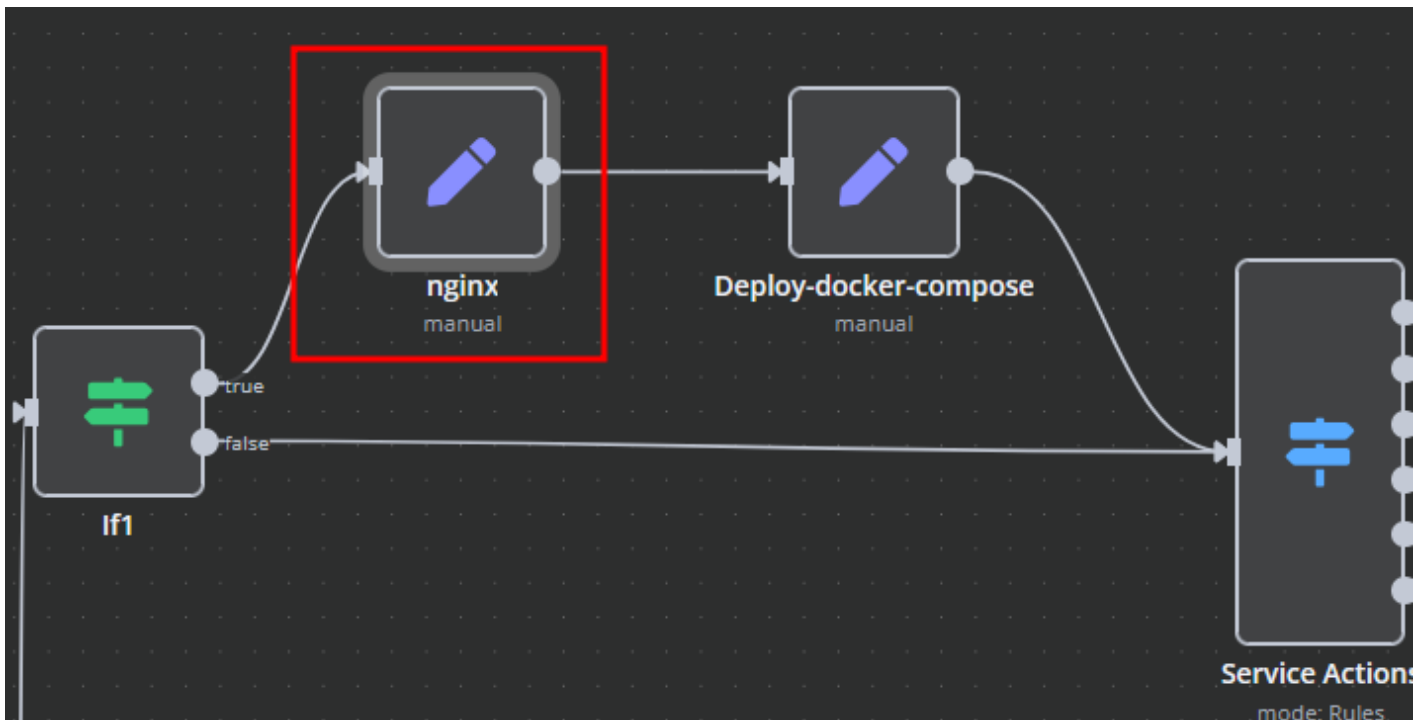
networks:
  nginx-proxy_web:
    external: true
```

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.



nginx Test step

Parameters Settings Docs

Mode

Manual Mapping

Fields to Set

main	A String	=	[empty]
main_location	A String	=	proxy_pass_header Server; proxy_set_header X-Real-IP \$remote_addr; proxy_set_header X-Forwarded-For \$proxy_add_x_forwarded_for; proxy_set_header X-Scheme \$scheme; proxy_set_header Host \$http_host;

Drag input fields here or [Add Field](#)

Include Other Input Fields

Options

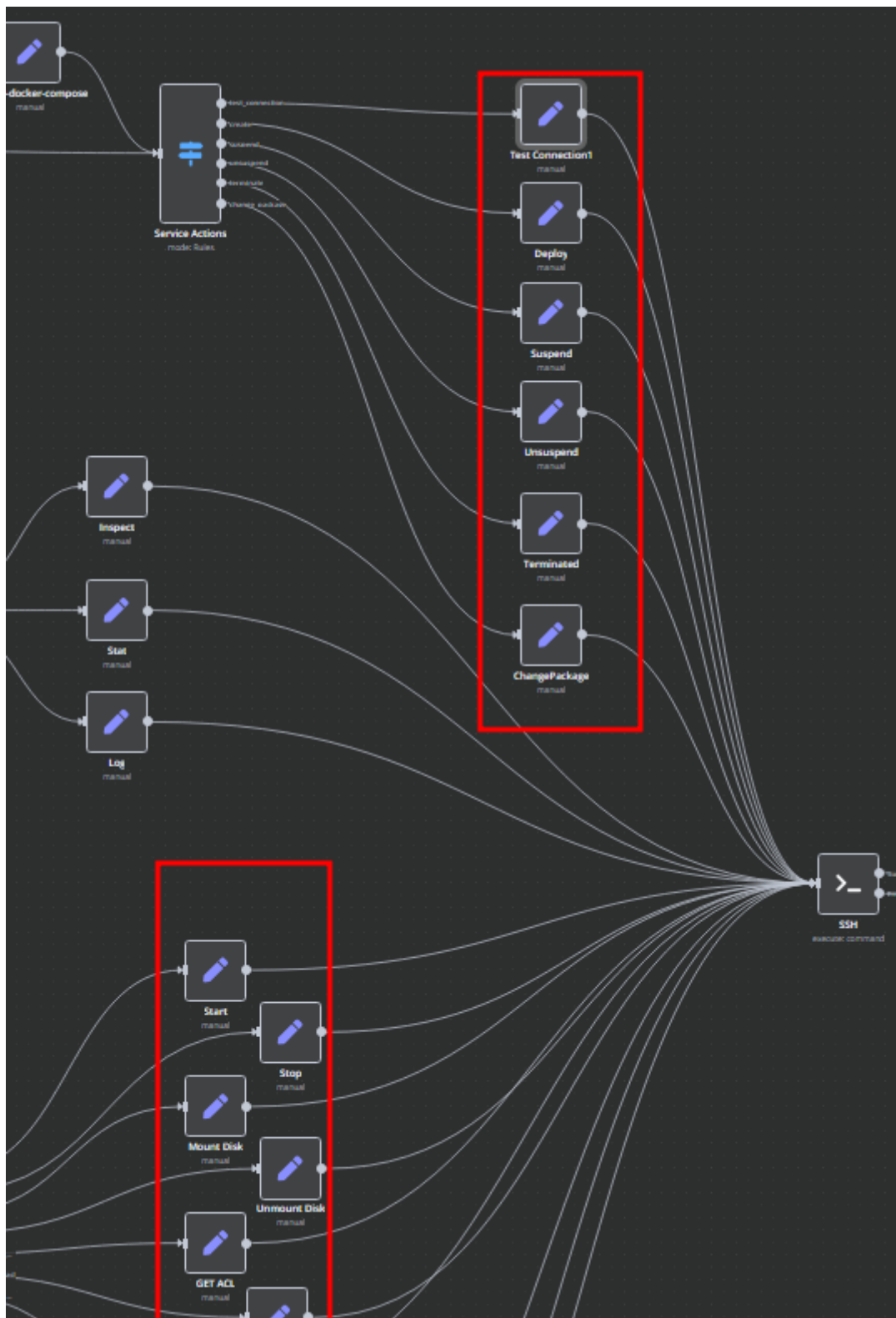
No properties

Add option

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.



Add server

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Add a new server to the system WHMCS.

System Settings->Servers->Add New Server

- Enter the correct **Name** and **Hostname**

Name	<input type="text" value="d01-test.uuq.pl"/>
Hostname	<input type="text" value="d01-test.uuq.pl"/>
IP Address	<input type="text"/>
Assigned IP Addresses (One per line)	<div></div>
Monthly Cost	<input type="text" value="0.00"/>
Datacenter/NOC	<input type="text"/>
Maximum No. of Accounts	<input type="text" value="200"/>
Server Status Address	<div><input type="text"/> 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/</div>
Enable/Disable	<input type="checkbox"/> Check to disable this server

Attention: Important Information

The **hostname** field represents the actual domain of the server running Docker and must match the **server_domain** parameter in the **n8n workflow**. If they do not match, communication will not function correctly.

Additionally, this domain must be configured so that all its subdomains resolve to the IP address of the server running Docker.

Parameters Test step

Parameters Settings Docs

Mode

Manual Mapping

Fields to Set

server_domain

A String

d01-test.uuq.pl

[empty]

clients_dir

A String

/opt/docker/clients

[empty]

In the **Server Details** section, select the **"PUQ Docker Grafana"** module and enter the correct **username** and **password** for the **API endpoint** in the n8n workflow.

Additionally, in the **Access Hash** field, insert the **URL of the API entry point** for the n8n workflow.

Server Details

Module	<div>PUQ Docker Grafana</div> <div>Test Connection</div> <div>✓ Connection successful. Some values have been auto-filled.</div>
Username	<div>Grafana</div>
Password	<div>....</div>
Access Hash	<div>https://n8n.puqcloud.com/webhook/docker-grafana</div>
Secure	<div><input checked="" type="checkbox"/> Check to use SSL Mode for Connections</div>

Webhook URLs

Test URL

Production URL

POST

`https://n8n.puqcloud.com/webhook/docker-grafana`

HTTP Methods

POST [×](#)

Path

`docker-grafana`

Authentication

Basic Auth [▼](#)

Credential for Basic Auth

Grafana [▼](#)

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 Grafana**" module

- **License key** – A pre-purchased license key for the "**PUQ Docker Grafana**" module. For the module to work correctly, the key must be active
- **Disk space** – defines the allocated disk size for the Docker container.
- **CPU** – sets the CPU usage limit for the Docker container.
- **RAM** – specifies the amount of RAM allocated to the Docker container.
- **Link to instruction** – URL to a guide that will be displayed in the client panel if provided.
- **Main domain** – defines the primary domain for the web interface of the application. If not set, the main domain will be taken from the **hostname** parameter in the server settings.
- **Subdomain** – a personal subdomain assigned to each service. If left empty or if the subdomain is already taken, it will be automatically generated in the format **{user_id}-{service_id}**.
-

Supported Macros for **App Subdomain**:

- **{user_id}** – Client ID
- **{service_id}** – Service ID
- **{random_digit_x}** – Random number (x defines the length)
- **{random_letter_x}** – Random letter (x defines the length)
- **{unixtime}** – Unix timestamp
- **{year}, {month}, {day}, {hour}, {minute}, {second}** – Date and time

values

- **Notification, used disk space X %** – The percentage value that sets the threshold for the container's disk space usage will trigger a notification message to the client once the threshold is reached.
- **Notification disk limit email template** – The email template for the notification that will be sent when the threshold is reached.

Details

Pricing

Module Settings

Custom Fields

Configurable Options

Upgrades

Free Domain

Cross-sells

Other

Links

Module Name

PUQ Docker Grafana

Server Group

None

License key

success: 2025-04-22T02:08:14+02:00

Disk space

1

GB Ex: 1

CPU

1

Ex: 0.1

RAM

1

GB Ex: 0.1

Link to instruction

https://puq.info/

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

Client Area

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

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}

Service

Notification, used disk space X %

95

Notification disk limit email template

puqDockerGrafana Notification disk limit

Switch to Advanced Mode

Metric Billing

Traffic IN (GB)

Configure Pricing

ON

Traffic OUT (GB)

Configure Pricing

ON

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To configure it, you need to enable the required metrics and set the desired prices. Metrics work based on the standard WHMCS mechanism, the description of which can be found [here](#):

Products/Services

[Edit Product](#)[illegible]

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

(puqDockerGrafana Welcome Email)

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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:** puqDockerGrafana Welcome Email

Create New Email Template

Email Type

Product/Service

Unique Name

puqDockerGrafana Welcome Email

Cancel

Create

Subject:

Grafana Order Information

Body:

Dear {{\$client_name}},

Your order has been accepted for implementation.

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}}

The installation and setup of your Grafana instance is in progress.

Within the next 4-5 minutes, you will be able to use your Grafana instance.

Upon your first login, you will need to create an account.

Here is the link to your Grafana server.

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

Thank you for choosing us.

{{\$signature}}

Subject:

Grafana Order Information

FileEditViewInsertFormatTableHelp

ParagraphVerdana11ptBBIUAA

LinkImageTablePrintAlignJustifyFullscreenHelpCodeI

Dear **client_name**,

Your order has been accepted for implementation.

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**

The installation and setup of your Grafana instance is in progress.
Within the next 4-5 minutes, you will be able to use your Grafana instance.

Upon your first login, you will need to create an account.

Here is the link to your Grafana server.

https://service_domain/

Thank you for choosing us.

signature

P

82 WORDS POWERED BY TINYMCE

Email Template (puqDockerGrafana Update Email)

Docker Grafana 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:** puqDockerGrafana Update Email

Create New Email Template

Email Type

Product/Service

Unique Name

puqDockerGrafana Update Email

Cancel

Create

Subject:

Body:

Dear {client_name},

Your instance is currently being updated.

You will be able to use your Grafana server again within 3 minutes.

Here is the link to your Grafana server.

```
https: //{$service_domain}/
```

Thank you for choosing us.

{*\$signature*}

Subject: Grafana Update Information

FileEditViewInsertFormatTableHelp

ParagraphVerdana11ptBBIUAALinkUnlinkListBulletListOrderedList

AlignLeftAlignRightQuoteUndoRedoCutCopyPasteTableBorderTextColorBackground ColorIndentDecreaseIndentIncreaseImageVideoAudioPrintFullscreenExitHelpFindReplaceSpellCheckWordCount

Dear { \$client_name },

Your instance is currently being updated.
You will be able to use your Grafana server again within 3 minutes.

Here is the link to your Grafana server.

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

Thank you for choosing us.

{ \$signature }

P38 WORDS POWERED BY TINYMCE

Email Template (puqDockerGrafana Notification disk limit)

Docker Grafana 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:** puqDockerGrafana Notification disk limit

Create New Email Template

Email Type

Product/Service

Unique Name

puqDockerGrafana Notification disk limit

Cancel

Create

Subject:

Disk space usage {{\$disk_used_percentage}}%

Body:

Dear {{\$client_name}},

We want to inform you that your Grafana 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}}






















Subject:

Disk space usage { \$disk_used_percentage}%

File Edit View Insert Format Table Help

Paragraph Verdana 11pt

B *I* ~~S~~ U A A    

Dear { \$client_name },

We want to inform you that your Grafana 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 }

P

58 WORDS POWERED BY TINYMCE

Admin Area

Product Information

Docker Grafana module **WHMCS**

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Admin Panel - Container Management Overview

The **admin panel** is structured into two main sections with additional control buttons for container management.

Control Buttons

- **Container Start / Stop** – Start or stop the running container.
- **Mount Disk / Unmount Disk** – Attach or detach the container's disk to the host system. This modifies the **fstab** file to ensure proper mounting.

Container Status & Resource Monitoring

- **Status** – Displays the current state (Running / Stopped).
- **Name** – Unique identifier and domain of the container.
- **CPU Usage** – Shows current CPU load.
- **Memory Usage** – Displays RAM consumption in real-time.
- **Disk IO & Disk Mounted** – Tracks disk input/output operations.
- **Disk File** – Indicates the actual disk image size.
- **Network IO** – Shows network traffic statistics.
- **Log Button** – Loads and displays the container logs for debugging and monitoring.

Application Information

- **Version** – Displays the installed application version.

Module Commands

CreateSuspendUnsuspendTerminateChange PackageContainer StartContainer StopMount diskUnmount disk

API Connection status

API Connection OK

Container

RefreshLog

Status	Running
Name	1-5355.d01-test.uuq.pl (492a9d57f8ee)
CPU usage	2.4%97.59%
Memory usage	84.18MiB / 1GiB8.22%91.78%
Disk IO	1.39MB / 48.3MB
Disk mounted	21M/974M3%97%
Disk file	58M
Network IO	12.3MB / 46.1MB

App

Refresh

Version	11.5.2
---------	--------

Metric Statistics

Metric	Enabled	Current Usage	Last Update
Traffic IN (GB)	✓	0.01 GB	1 hour ago
Traffic OUT (GB)	✓	0.04 GB	1 hour ago

Refresh Now

Client Area

Home screen

Docker Grafana module **WHMCS**

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Client Area Overview - Logical Structure

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

1. Navigation Block

- **"Go to Grafana"**: Direct link to access the application.
- **"User Manual"**: Opens the official documentation or user guide.

2. Resource Usage Block

- Displays real-time statistics on container resource usage:
 - **CPU Usage**: Number of allocated CPUs and current load.
 - **Memory Usage**: RAM consumption, helping clients understand available capacity.
 - **Disk Usage**: Storage consumption within the container.
- This section is crucial for users to **monitor performance** and determine whether they need to **upgrade their package**.

3. Application Information & Controls

- **Application Version**: Displays the installed software version.
- **Owner Information**: Indicates the primary administrator of the application.
- **User List**: Shows active users associated with the instance.
- **Reset Password Button**: Allows the client to reset the administrator password for the application.

This **clear structure** ensures that users have **quick access** to their application, **real-time monitoring** of resource usage, and **essential management functions** in one place.



Go to Grafana



User manual



Status:

running



CPU usage:

1 CPU

2.1%

97.76%



Memory usage:

84.21MiB / 1GiB

8.22%

91.78%



Disk usage:

21M / 974M

3%

97%



Grafana

<https://1-5355.d01-test.uuq.pl/>



Username:

utGHzj



Password:

.....



Change Administrator Password



Version:

11.5.2



Administrator:

utGHzj

Change Administrator Password



Generate



Save

Status.



CPU usage:

2.1

1 CPU

97.76%



Memory usage:

8.22%

84.21MiB / 1GiB

91.78%



Disk usage:

3%

21M / 974M

97%



Grafana

<https://1-5355.d01-test.uuq.pl/>



Username:

utGHzj



Password:

.....



Change Administrator Password



Version:

11.5.2



Administrator:

utGHzj

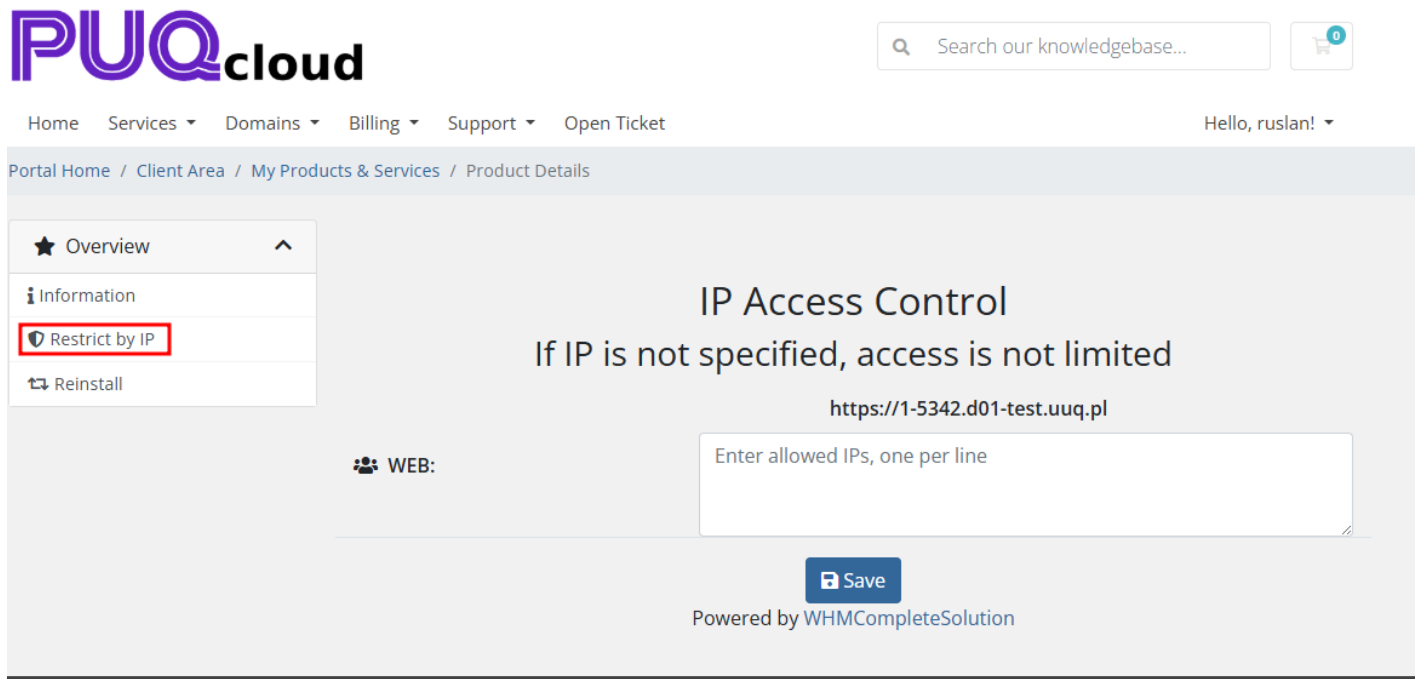
IP Access Control

Docker Grafana module **WHMCS**

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In the client area, the client can configure access to their resource by entering allowed IP addresses in the appropriate section on the **Restrict by IP** page.

If no IP addresses are specified, access is open to all IP addresses.



The screenshot displays the PUKcloud client area interface. At the top, the PUKcloud logo is on the left, and a search bar with the text "Search our knowledgebase..." is on the right. Below the logo, a navigation menu includes links for Home, Services, Domains, Billing, Support, and Open Ticket. The user is logged in as "ruslan!". The main content area shows the "IP Access Control" configuration page. On the left, a sidebar menu has options: Overview, Information, Restrict by IP (highlighted with a red box), and Reinstall. The main content area features the title "IP Access Control" and the message "If IP is not specified, access is not limited". Below this, the URL "https://1-5342.d01-test.uuq.pl" is displayed. A text input field labeled "WEB:" is provided for entering allowed IPs, with the placeholder text "Enter allowed IPs, one per line". A "Save" button is located at the bottom right of the input field. The footer of the page states "Powered by WHMCompleteSolution".

Reinstall

Docker Grafana module **WHMCS**

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The client has the option to **fully reinstall the application**, which will result in **complete data loss**.

This action can be performed on the **Reinstall** page, which also includes **protection against accidental reinstallation**.



[Home](#) [Services](#) [Domains](#) [Billing](#) [Support](#) [Open Ticket](#)

Hello, ruslan!

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

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

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


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Metrics

Docker Grafana module WHMCS

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If you use metrics for application traffic billing, the Metrics tab will display the usage statistics for the metrics.



Docker Grafana 1
Docker Grafana

ACTIVE

Request Cancellation

Registration Date

Sunday, March 23rd, 2025

Recurring Amount

\$1.00

Billing Cycle

Monthly

Next Due Date

Wednesday, April 23rd, 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)	0.01 GB	\$0.00 / GB	1 hour ago
Traffic OUT (GB)	0.04 GB	\$0.00 / GB	1 hour ago