

# Setting up n8n workflow

## Docker InfluxDB module **WHMCS**

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## Overview

The **Docker InfluxDB 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

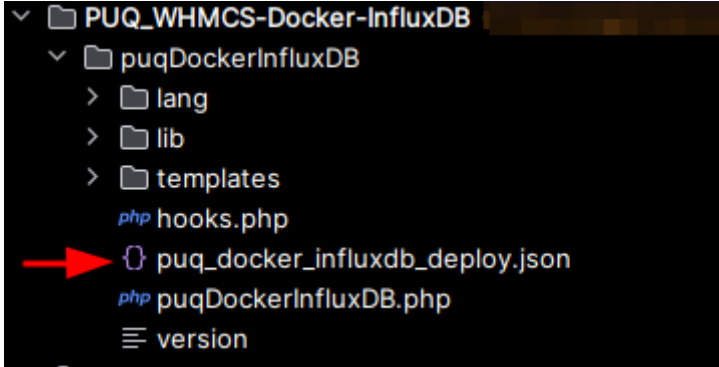
You have two options:

#### **Option 1: Use the Latest Version from the n8n Marketplace**

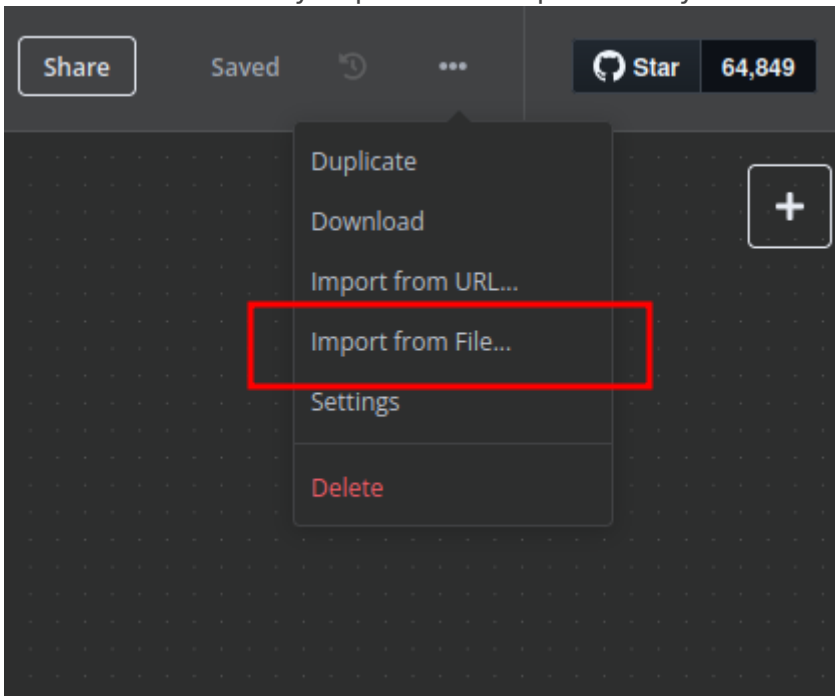
- The latest workflow templates for our modules are available on the official n8n marketplace.
- Visit our profile to access all available templates: [PUQcloud on n8n](#)

## 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

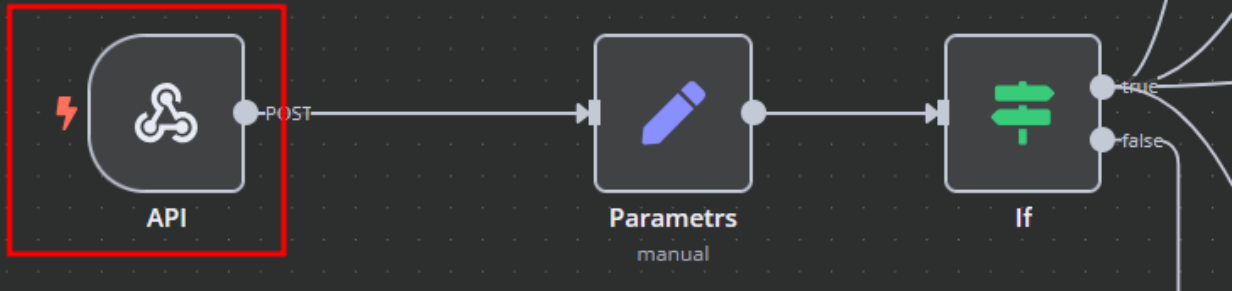
## Configure API Webhook and SSH Access

- Create a **Basic Auth Credential**

for the Webhook API Block in n8n.

## Additional Resources

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



Webhook URLs

Test URL

Production URL

POST

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

HTTP Methods

POST

Path

docker-influxdb

Authentication

Basic Auth

Credential for Basic Auth

InfluxDB

Basic Auth

**Immich**

Basic Auth

**InfluxDB**

Basic Auth

**MinIO**

Basic Auth

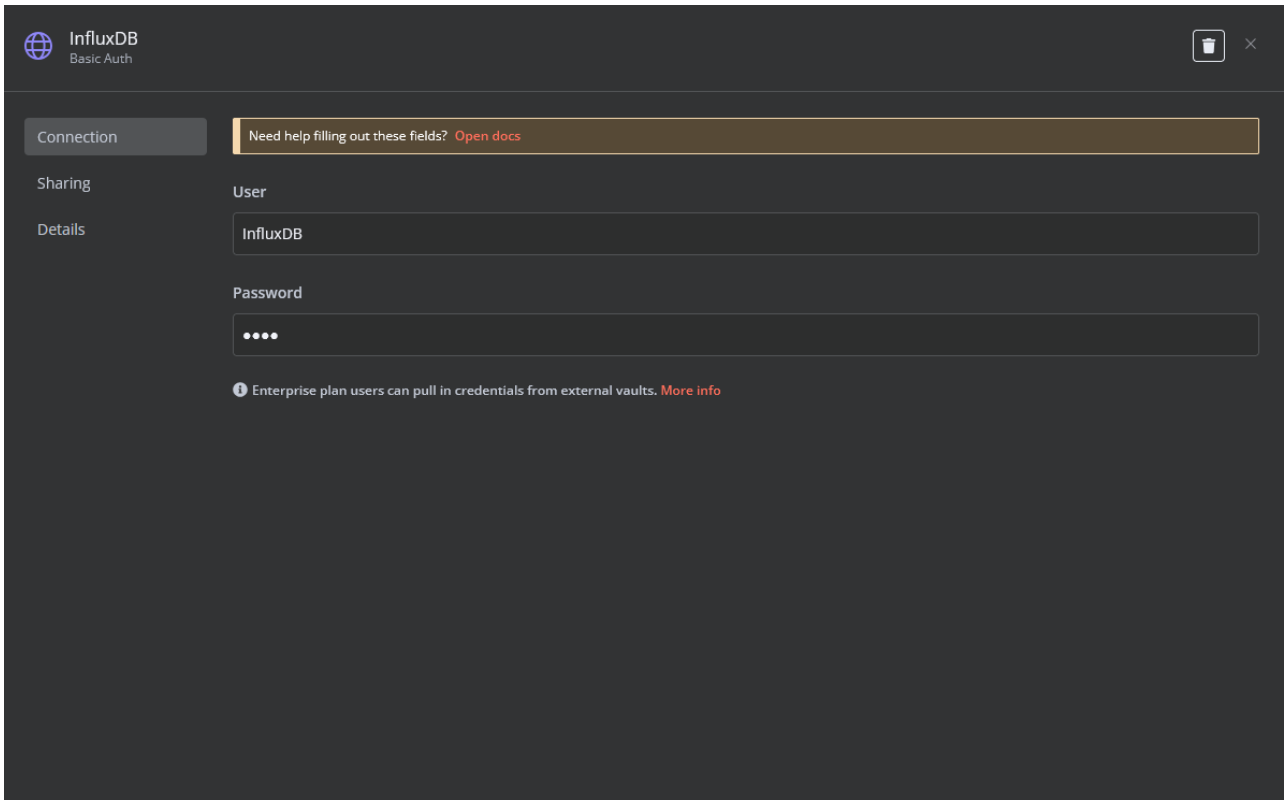
**n8n**

Basic Auth

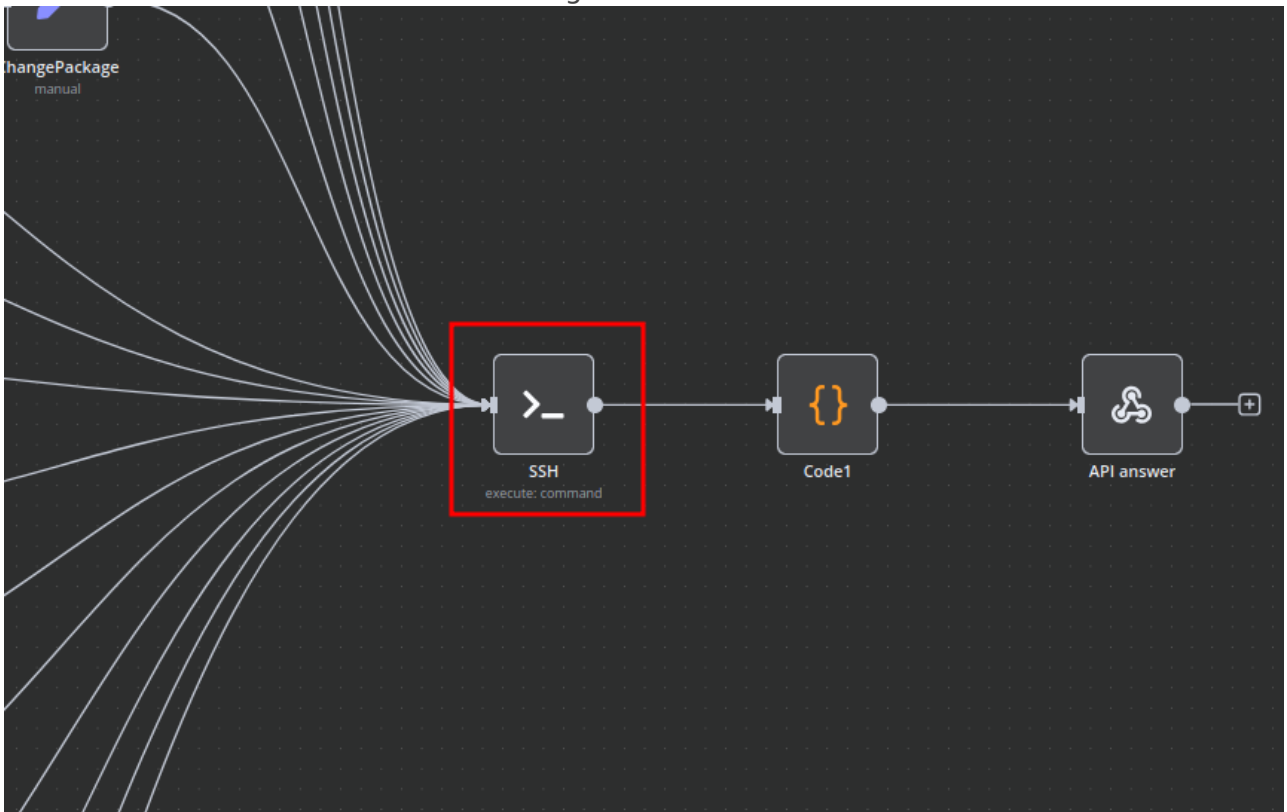
**Vaultwarden**

Basic Auth

+ Create new credential



- 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

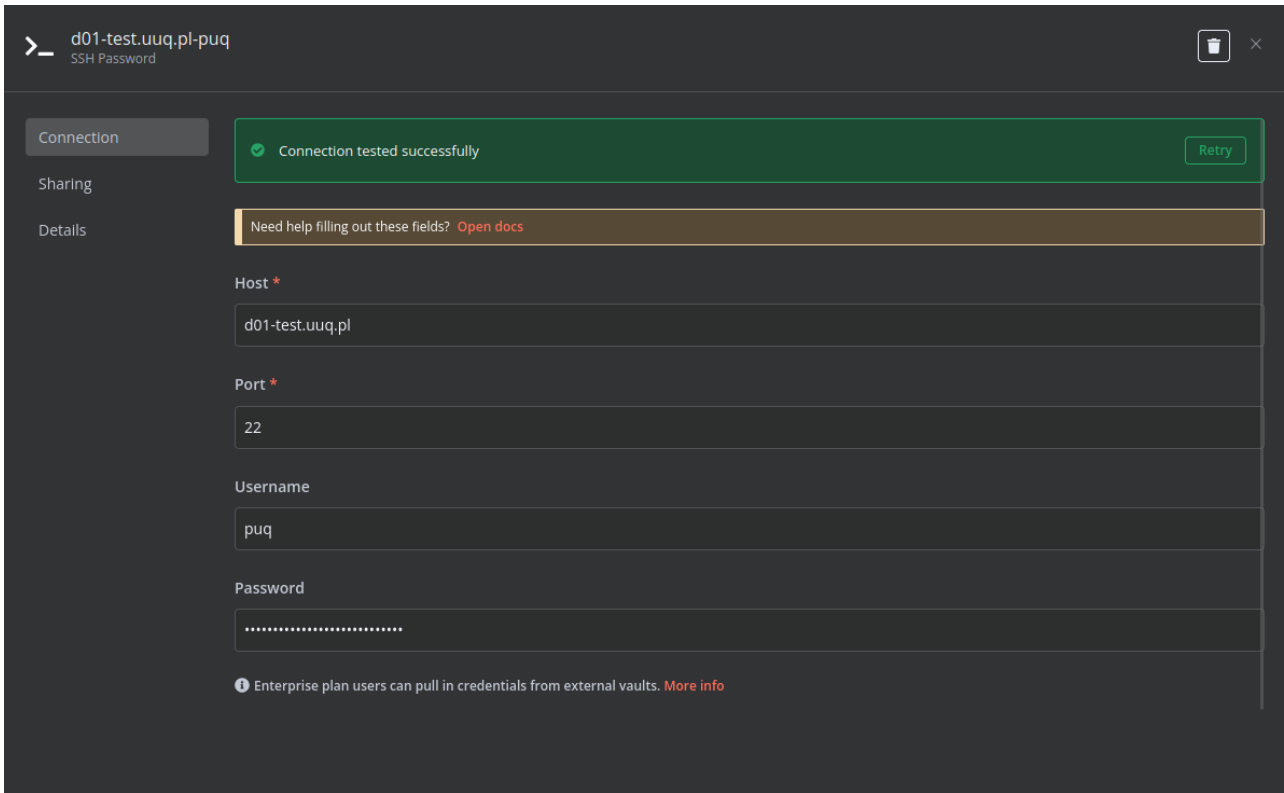
Execute

Command

fx {{ \$json.sh }}

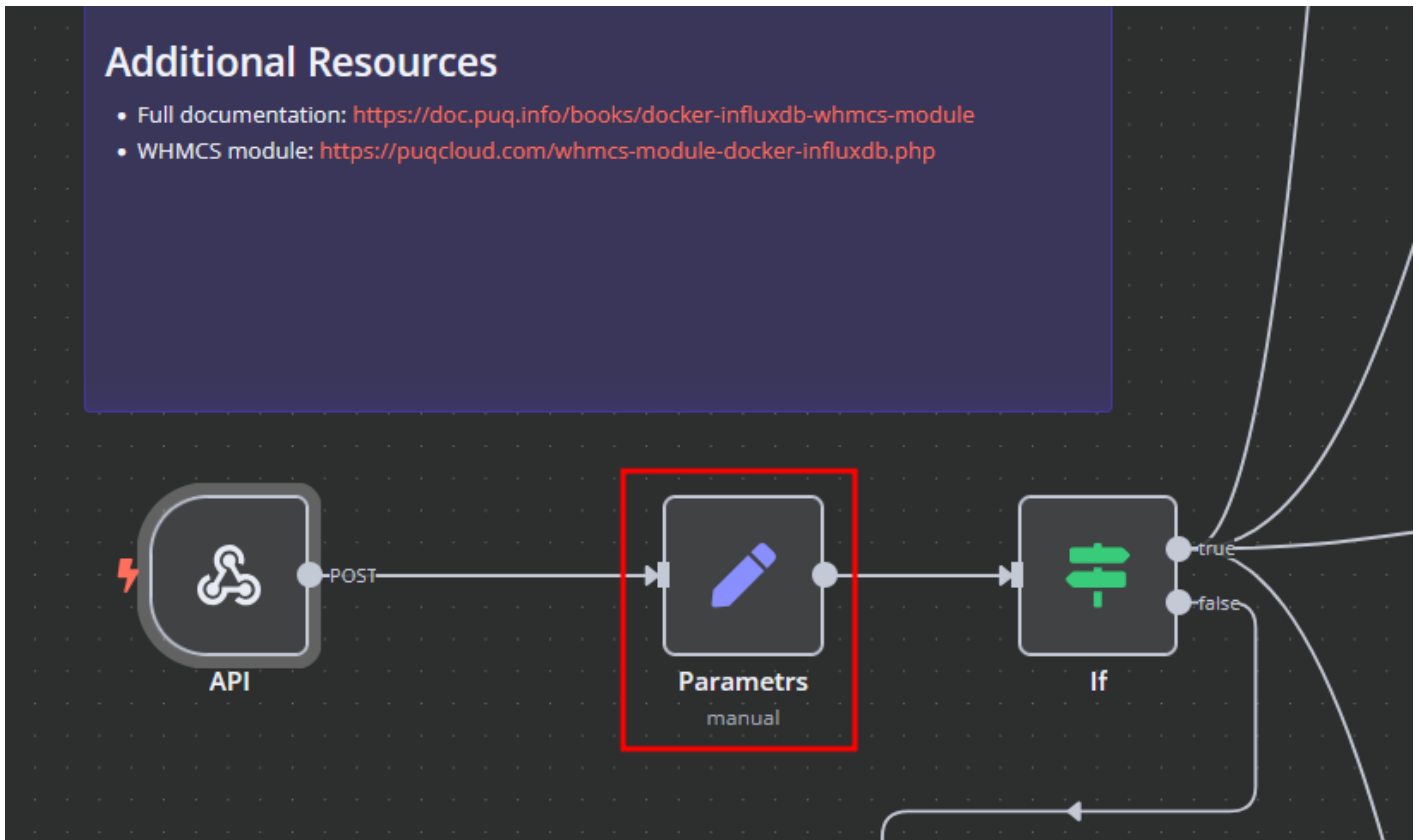
Working Directory


fx /



# Modify Template Parameters

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



 **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]

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).

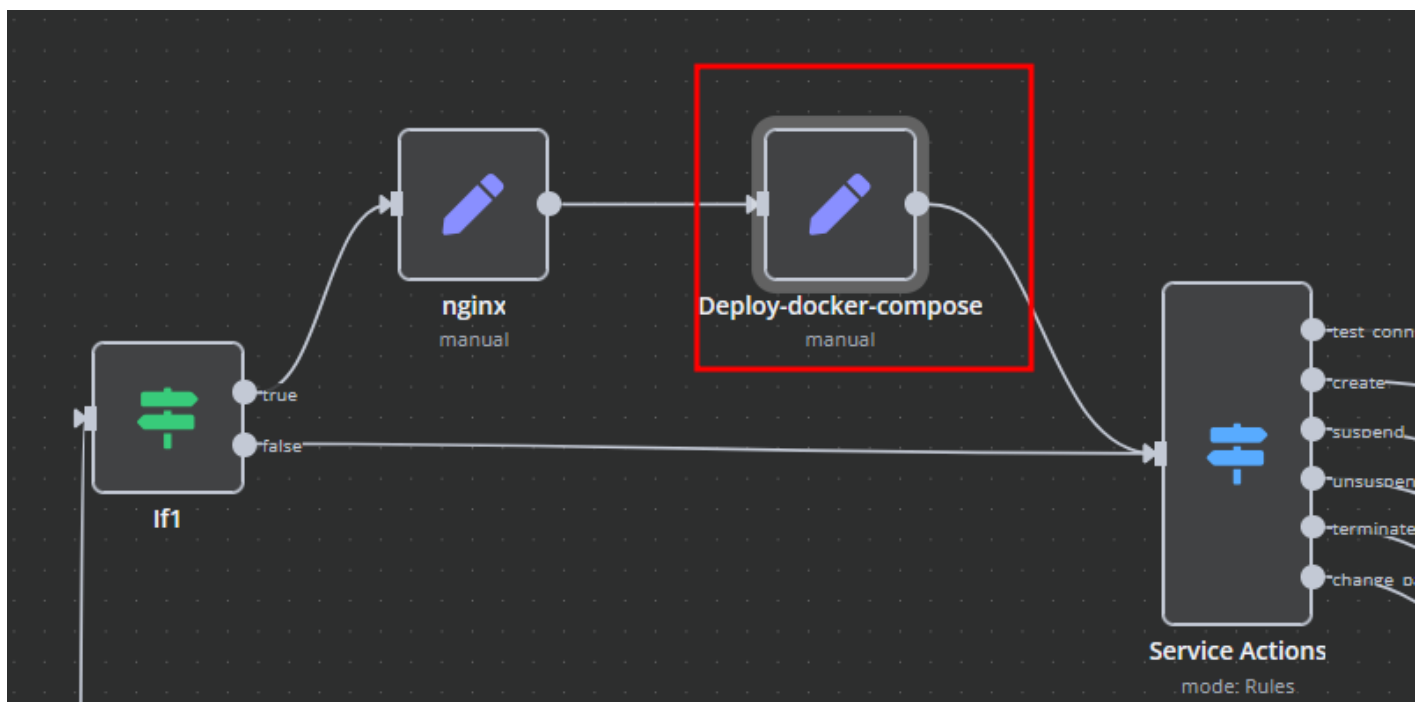
**Do not modify** the following technical parameters:

- `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



```

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

services:
  "{{ $('API').item.json.body.domain }}_influxdb:
    container_name: "{{ $('API').item.json.body.domain }}_influxdb
    image: influxdb:2.7
    restart: unless-stopped
    volumes:
      - "{{ $('Parameters').item.json.mount_dir }}/{{ $('API').item.json.body.domain }}/lib:/var/lib/influxdb2
      - "{{ $('Parameters').item.json.mount_dir }}/{{ $('API').item.json.body.domain }}/etc:/etc/influxdb2
    environment:
      - LETSENCRYPT_HOST={{ $('API').item.json.body.domain }}
      - VIRTUAL_HOST={{ $('API').item.json.body.domain }}
      - DOCKER_INFLUXDB_INIT_MODE=setup
      - DOCKER_INFLUXDB_INIT_USERNAME={{ $('API').item.json.body.username }}
      - DOCKER_INFLUXDB_INIT_PASSWORD={{ $('API').item.json.body.password }}
      - DOCKER_INFLUXDB_INIT_ORG={{ $('API').item.json.body.username }}_ORG
      - DOCKER_INFLUXDB_INIT_BUCKET={{ $('API').item.json.body.username }}_BUCKET
    healthcheck:
      disable: false
    networks:
      - nginx-proxy_web
    mem_limit: "{{ $('API').item.json.body.ram }}G"
    cpus: "{{ $('API').item.json.body.cpu }}"

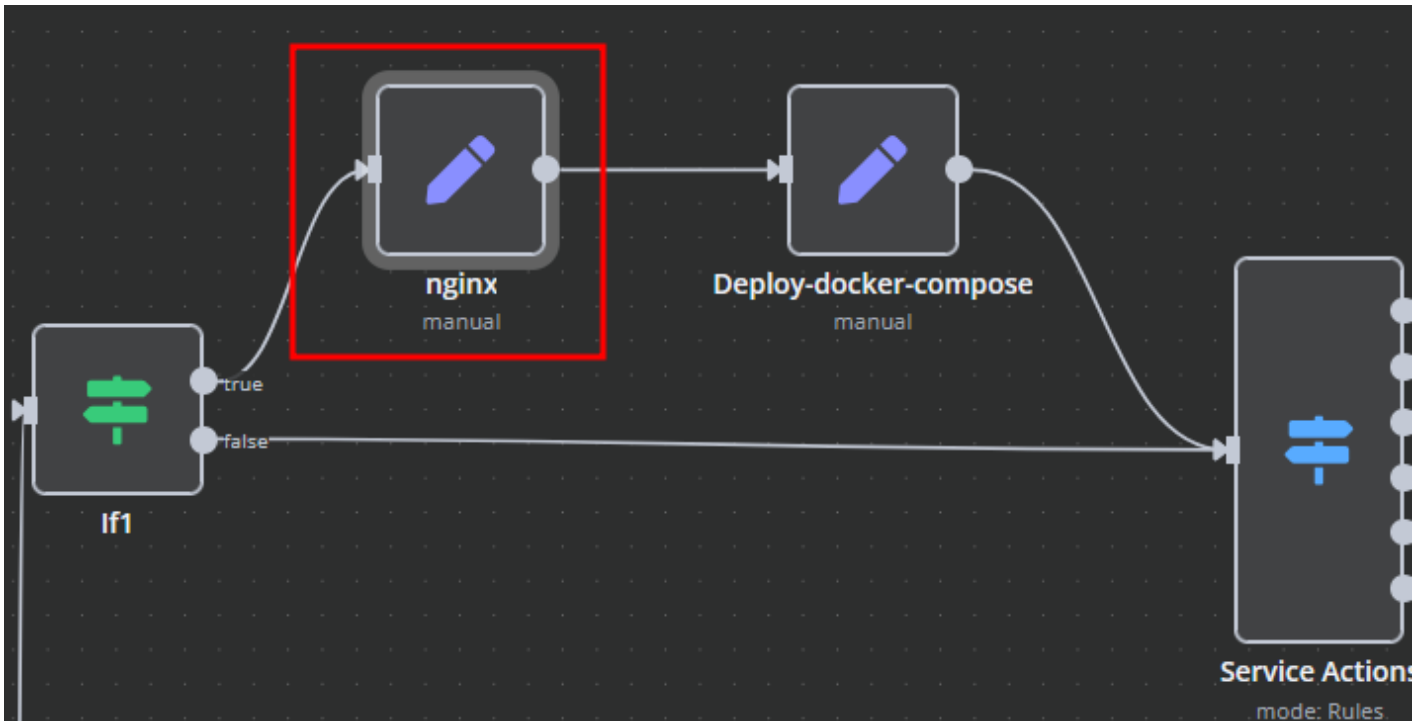
networks:
  nginx-proxy_web:
    external: true

```

## 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	=	<pre> 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; </pre>

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

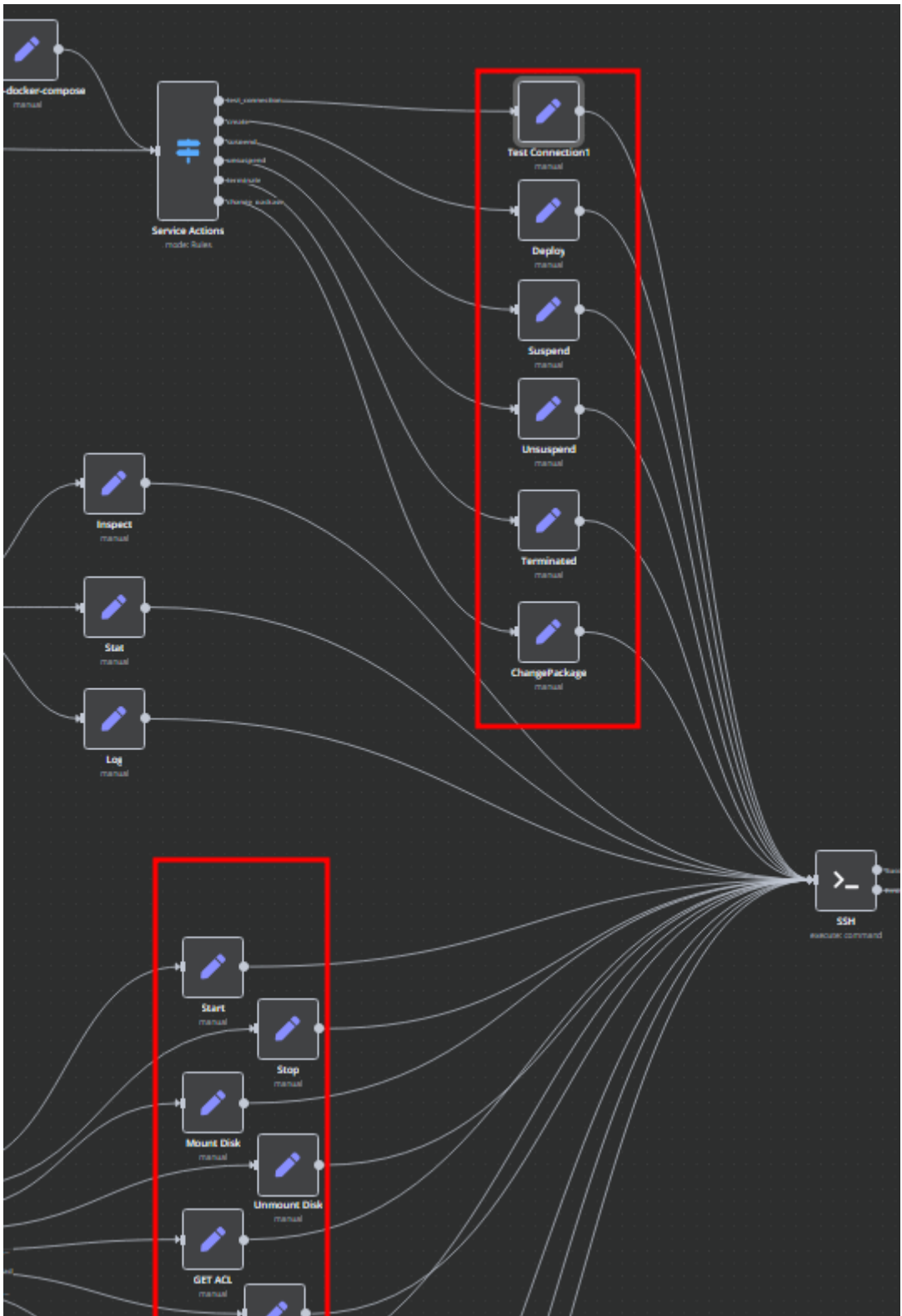
Include Other Input Fields

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.



Revision #3

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