

# Managed Servers Settings

## Managed Servers

Admin Settings

Application

Authentication

DNS

DHCP

Peering

Templates

Scanning & Discovery

Managed Servers

Monitoring Settings

Monitoring API settings - the servers will make requests to this IP as it is highly possible they will not be able to resolve ProVision's host

Default Monitoring API IP

Verify CA

Communication type

Monitoring intervals settings

Monitoring of the system:

System monitoring interval:

Monitoring of the DNS:

DNS monitoring interval:

Update Settings

Update settings and how managed servers are updated.

API timeout:

Update Mode:

Update username:

DNS update token:

DHCP update token:

Monitoring update token

Test Tokens

Save Changes

The "Managed Servers" sub-tab under Admin Settings includes modules for Monitoring Settings, Update Settings, Monitoring Services, and RabbitMQ settings.

After making any settings updates, be sure to click "Save Changes" under the updated module.

- Managed Servers
  - Overview
  - Monitoring Settings
  - Update Settings (Internet)
  - Update Settings (Local)
  - Monitoring Services
  - RabbitMQ Settings
  - Additional Information

## Overview

## Monitoring Settings

Monitoring Settings

Monitoring API settings - the servers will make requests to this IP as it is highly possible they will not be able to resolve ProVision's host

Default Monitoring API IP

Verify CA ☐ OFF

Communication type Push-based

Monitoring intervals settings

Monitoring of the system: ☒ ON  
System load - CPU, RAM, etc.

System monitoring interval: 5  
System monitoring interval in seconds.

Monitoring of the DNS: ☐ OFF  
Request/response count, etc.

DNS monitoring interval: ex: 60  
DNS data will be collected and send (seconds).

Monitoring data retention

Raw data retention: 1440  
The period in minutes to keep the raw/detailed monitoring data.

Aggregated data retention: 30  
The period in days to keep the aggregated monitoring data.

Save Changes

**Default Monitoring API IP:** The IP to be used for API calls (heartbeat, activation, etc.).

**Verify CA:** Toggle to "on" if you wish to enable the CA check.

**Communication type:** Push (when the server pushes data to ProVision) and pull (when ProVision connects to the server and pulls the data). Push is preferred, but Pull-based may be desirable in cases where a firewall would not allow inbound connections to ProVision.

**Monitoring of the system:** Toggle to "on" to enable monitoring of system statistics.

**System monitoring interval:** How often (in seconds) the system will be checked. The smaller the interval, the more data there will be to store.

**Monitoring of the DNS:** Toggle to "on" to enable gathering statistics from the DNS server.

**DNS monitoring interval:** How often (in seconds) the DNS server will be monitored. Data will be aggregated for the set period of time and the aggregated results will be sent.

**Raw data retention:** The number of minutes to retain raw data. By default, this is set to 1440 minutes (1 day). Raw data requires sizable storage needs.

**Aggregated data retention:** The number of days to retain aggregated data.

## Update Settings (Internet)

Update Settings

Update settings and how managed servers are updated.

API timeout:

300

Timeout for the API calls in milliseconds.

Update Mode:

Docker Update (Internet)

Specify the source for updates.

Update username:

Username for the updates.

DNS update token:

Token for DNS repository.

DHCP update token:

Token for DHCP repository.

Monitoring update token

Token for Monitoring repository.

Test Tokens

Save Changes

**API timeout:** Timeout for API calls in milliseconds.

**Update Mode:** Enter the source for updates.

**Update username:** Enter the username for updates.

**DNS update token:** Enter the token for the DNS repository.

**DHCP update token:** Enter the token for the DHCP repository.

**Monitoring update token:** Enter the token for the Monitoring repository.

## Update Settings (Local)

Update Settings

Upload the new version of the image file manually.

Image file:

Choose File

No file chosen

Upload

Update settings and how managed servers are updated.

API timeout:

300

Timeout for the API calls in milliseconds.

Update Mode:

Image Download (Local)

Specify the source for updates.

Test Tokens

Save Changes

**Image file:** Attach the Image file for upload to ProVision.

**API timeout:** Timeout for API calls in milliseconds.

**Update Mode:** Enter the source for updates.

**Images history:** Available only after saving changes.

**Test Tokens:**

## Monitoring Services

Monitoring Services		
These are services currently running on the server.		
Service Name	State	Actions
pv_mq_knot	inactive	<div> <div></div> <div></div> <div></div> </div>
pv_mq_system	inactive	<div> <div></div> <div></div> <div></div> </div>
pv_mq_aggregate_system	inactive	<div> <div></div> <div></div> <div></div> </div>
pv_delete_expired_data	inactive	<div> <div></div> <div></div> <div></div> </div>
pv_whois	inactive	<div> <div></div> <div></div> <div></div> </div>
pv_rabbit_relay	inactive	<div> <div></div> <div></div> <div></div> </div>

The Monitoring Services module shows the OS services running on Provision's server and their activity state. Available actions are: Stop, Start, and Restart Service.

- **pv\_heartbeat:** sends simple stats from a managed server to ProVision, runs on the managed server
- **pv\_mq\_knot:** processes KNOT DNS data from RabbitMQ, runs on ProVision's server
- **pv\_mq\_system:** processes system data from RabbitMQ, runs on ProVision's server
- **pv\_mq\_aggregate\_system:** aggregates system data , runs on ProVision's server
- **pv\_delete\_expired\_data:** deletes data according to the retention settings, runs on ProVision's server
- **pv\_whois:** runs on ProVision's server

- **pv\_rabbit\_relay**: services used in "Pull" setups (see below), runs on ProVision's server

## RabbitMQ Settings

RabbitMQ Settings

RabbitMQ settings. It is used for communication between nodes and ProVision

RabbitMQ IP

RabbitMQ Port

Username

Password

Test Credentials

Save Changes

Enter or update the following settings:

- **RabbitMQ IP**
- **RabbitMQ Port**
- **Username**
- **Password**

To verify the settings, click "Test Credentials". When done, click "Save Changes".

After making any settings updates, be sure to click "Save Changes" under the updated module.

## Additional Information

For additional information on working with Managed Servers, see [Managed Servers](#)