PANDORAFMS

ENTERPRISE

RabbitMQ

Enterprise plugin

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Introduction

This plugin allows to obtain monitoring data from a RabbitMQ environment.

Information is obtained via web through the RabbitMQ API, so it is not necessary to install any additional software.

Compatibility Matrix

Developed for:

- RabbitMQ 3.7.18

Prerequisites

Connection to the RabbitMQ API is required from the computer where the plugin is launched.

Connection to the Tentacle service associated with your Pandora FMS server is required if it is not run as an agent plugin.

The deployment of this plugin by binaries does not require any special requirements.

CONFIGURATION

The plugin configuration file is divided into blocks:

API access configuration

```
##################
## RabbitMQ access
##################

## API host:port
host=192.168.80.20:8080

## OVM Manager user
user=guest

## OVM Manager password
pass=guest
```

host
IP address and connection port for RabbitMQ API

user
RabbitMQ API access user

pass
Password of the indicated user

Agent configuration

```
###################
## Agent parameters
###################

## Agent name (if not run as agent plugin)
agent_name=RabbitMQ

## Agent interval
interval=300
```

agent_name
Name of the agent to which the monitoring will be sent if the plugin is not run as an agent plugin.

interval
Monitoring interval for the indicated agent.

XML file transfer configuration

```
######################
## Transfer parameters
######################

## Temporal folder
tmp=/tmp

## Transfer mode used to send XML file (tentacle or local)
transfer_mode=tentacle

## Local folder to copy XML file (used only if transfer_mode is not tentacle)
local_folder=/var/spool/pandora/data_in/

## Tentacle server IP
tentacle_ip=127.0.0.1

## Tentacle server port
tentacle_port=41121

## Tentacle extra options (if needed)
#tentacle_opts=
```

tmp

Temporary directory where the agent XML files are before being transferred to the Pandora FMS server (if the plugin is not run as agent plugin).

transfer_mode

File transfer method to be used. If it is not set as "*tentacle*", the transfer method will be considered "*local*" (copying the XML files from the temporary directory to a defined one).

local_folder

Directory to which the XML files will be copied if the transfer method is not set as "*tentacle*".

tentacle_ip

IP address to which the XML files will be sent if the transfer method is established as "*tentacle*".

tentacle_port

Port to connect to the Tentacle server indicated in the "*tentacle_ip*" parameter.

tentacle_opts

Additional options for transferring files to the indicated Tentacle server.

Additional setup

```
###################
## Extra parameters
```

```
###################

## Set to 1 to run de plugin as an agent plugin
as_agent_plugin=1
```

as_agent_plugin

If set to "1", the plugin will run as agent plugin. If set to “0”, the plugin will generate XML files that will be transferred to the Pandora FMS server for processing.

Manual Execution

To run the plugin, configure the "*pandora_kubernetes.conf*" configuration file according to the preceding instructions.

Plugin execution:

```
./rabbitmq_monitor rabbitmq_monitor.conf
```

Plugin-generated Modules

Plugin standard execution will return the following modules:

- Availability.
- Cluster name.
- Total queue messages.
- Messages unacknowledged.
- Total exchanges.
- Queue publish rate.
- Queue deliver get rate.
- Queue deliver noack rate.
- Mem used rate - *nodename*.
- Proc used rate - *nodename*.
- Node status - *nodename*.
- Exchanges in rate.
- Exchanges out rate.
- Total connections.
- Connections running.
- Connections blocked.
- Total received octets.
- Total sent octets.
-