

How To Migrate From Mod-Gearman to Nagios Mod-Gearman in Nagios XI

Purpose

This document describes how to migrate from Mod-Gearman to Nagios Mod-Gearman in Nagios XI. Mod-Gearman support for Nagios Core ended with Core version 4.4.14. Mod-Gearman no longer worked with new versions for Core, which was included with Nagios XI 2024R1.2 and newer.

Nagios has re-compiled and has made a new version available called Nagios Mod-Gearman (NMG) that works with Nagios Core 4.5.3 and newer, which in turn will work with Nagios XI 2024R1.2 and newer. You will need to be running Nagios XI version 2024R1.2 or above, for Nagios Mod-Gearman to install and work properly. **Note** that NMG is automatically loaded in Nagios XI 2024R2.1+.

The Process

If you are currently using Mod-Gearman (3.x) and wish to migrate to Nagios Mod-Gearman (1.x), you will need to first upgrade XI.

Our recommendation is to set up a test (target) server and backup/restore your current XI (source) to the new server.

<https://assets.nagios.com/downloads/nagiosxi/docs/Nagios-XI-License-Information.pdf>
<https://assets.nagios.com/downloads/nagiosxi/docs/Backing-Up-and-Restoring-Nagios-XI-2024.pdf>

Once you have restored your XI instance, on the target server, before upgrading XI, you will need to remove the `broker_module` line in the main Nagios Core configuration file corresponding to `mod_gearman`.

You can edit this file via the XI UI at **Configure > Core Config Manager > CCM Admin > Core Configs** or you can access it from the command line at:

```
/usr/local/nagios/etc/nagios.cfg
```

The line to remove will look something like this (this is a single line):

```
broker_module=/usr/lib64/mod_gearman/mod_gearman_nagios4.o  
config=/etc/mod_gearman/module.conf eventhandler=no
```

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Once the line is removed, upgrade the target server to at least version XI 2024R1.2.

<https://assets.nagios.com/downloads/nagiosxi/docs/Upgrade-Instructions-in-Nagios-XI-2024.pdf>

After the upgrade, and verification that the XI instance is running properly, on the target server, you can download the Nagios Mod-Gearman tarball and run the installation process. Follow the directions on Github to get Nagios Mod Gearman set up. Make sure to read the **README.md** file for full installation steps.

<https://github.com/NagiosEnterprises/nagios-mod-gearman>

Once Nagios Mod-Gearman has been installed on the target server, add the Nagios Mod-Gearman broker line to the core config file.

You can edit this file via the XI UI at **Configure > Core Config Manager > CCM Admin > Core Configs** or you can access it from the command line at:

```
/usr/local/nagios/etc/nagios.cfg
```

Add this line (note this is a single line) and save the core config file:

```
broker_module=/usr/lib64/nagios-mod-gearman/nagios-mod-gearman.o  
config=/etc/nagios-mod-gearman/module.conf eventhandler=no
```

Copying the configuration files

If you have installed the new broker on your nagios server, you will need to copy the configuration files

Copy the following from the nagios server:

```
/etc/mod_gearman/module.conf
```

To this location on the nagios server:

```
/etc/nagios-mod-gearman/module.conf
```

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If the `worker.conf` file exists on the nagios server, copy this file:

```
/etc/mod_gearman/worker.conf
```

To this location on the nagios server:

```
/etc/nagios-mod-gearman/worker.conf
```

Cleaning up the target XI instance

Make sure port 4730 is open/accessible on your Nagios server, by the Nagios Mod-Gearman client machines.

Update the workers

You will want to replace the old Mod-Gearman workers with the new Nagios Mod-Gearman workers on the client machines. Even though the old Mod-Gearman workers (3.x) may work with your new nagios server, additional changes to the product may cause licensing problems and issues with the legacy Mod-Gearman workers.

Stop and disable `mod_gearman_worker` and install Nagios Mod-Gearman worker using process in GitHub. Make sure to follow instructions using **README.md** file.

<https://github.com/NagiosEnterprises/nagios-mod-gearman>

Once you have installed Nagios Mod-Gearman, you will want to copy the configuration of your old Mod-Gearman checks:

Copy the old `worker.conf` file from this location:

```
/etc/mod_gearman/worker.conf
```

To this location on the worker server:

```
/etc/nagios-mod-gearman/worker.conf
```

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Modify

```
/etc/nagios-mod-gearman/worker.conf
```

...with the IP address of the new XI server

Then restart Nagios Mod-Gearman by running this as root:

```
systemctl restart nagios-mod-gearman-worker
```

Finishing Up

This completes the documentation on Migrating Mod-Gearman to Nagios Mod-Gearman on Nagios XI. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Nagios Knowledge Base](#)

[Visit Nagios Library](#)