

Compiling Nagios Mod-Gearman in Nagios XI

Purpose

This document describes how to Compile Nagios Mod-Gearman (NMG) for use with Nagios XI 2024R1.2 and newer. If you are installing Nagios Mod-Gearman on Nagios XI, please make sure that you are running Nagios XI **2024R1.2+**, as Nagios Core version **>= 4.5.x** is required.

Also note that NMG is **pre-loaded** in Nagios XI **2024R2.1+**. You can easily configure and [manage NMG from the web UI](#) in the **Configure > Remote Workers** menu. This is a Premium feature, so is available as long as you have active Maintenance benefits.

Installing Nagios Mod Gearman Prerequisites

To ensure that the development environment is installed for compiling, the following packages need to be installed by running the following commands as **root**:

Debian / Ubuntu

Note that this is a single long command, wrapped over two lines in this document:

```
apt install automake libncurses-dev gearman libgearman-dev help2man dctrl-tools  
libperl-dev g++ libltdl-dev pkgconf make dpkg-dev debhelper libssl-dev
```

Centos Stream / Redhat / Oracle Linux

Note that this is a single long command, wrapped over two lines in this document:

```
yum install autoconf automake libtool boost-devel boost-program-options libgearman  
libgearman-devel libtool-ltdl-devel ncurses-devel rpm-build
```

Compiling Nagios Mod-Gearman From Source

Download the most current Nagios Mod Gearman tarball from GitHub to the Nagios XI server.

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

1. Extract the tarball

```
tar xvfz nagios-mod-gearman-<version>.tar.gz
```

2. Change to the nagios-mod-gearman directory

```
cd nagios-mod-gearman
```

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3. Run the following as **root** to compile and install Nagios-Mod-Gearman.

```
chmod a+x autogen.sh
./autogen.sh
./configure
make
make install
```

4. Edit this file to enable Nagios Core to load the Nagios Mod Gearman broker:

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

5. And add the following line to the bottom of the `nagios.cfg` file and save (note that this is a single long line, wrapped over two lines in this document)

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

Install gearmand on the Nagios XI server

RHEL / Centos Stream / Oracle Linux

The gearmand package is available on the Extra Packages for Enterprise Linux (EPEL) repository which needs to be available/accessible by the Nagios XI server.

1. Run this command as root to install gearmand:

```
dnf install gearmand
```

2. Run these commands as **root**, to enable to run at restart and launch:

```
systemctl enable gearmand
systemctl start gearmand
```

Ubuntu / Debian

1. Run this command as **root**, to install gearmand:

```
apt-get install gearman-job-server
```

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2. Edit this file:

```
/etc/default/gearman-job-server file
```

3. And delete this entry:

```
--listen=localhost
```

4. Restart gearmand to listen for any worker connection.

Run these commands as **root**, to enable NMG to run at launch and restart gearmand and gearman-job-server:

```
systemctl enable gearman-job-server  
systemctl restart gearman-job-server
```

Restart Nagios XI

Once gearmand or the gearman-job-server is running, run this command as **root**, to restart Nagios XI:

```
systemctl restart nagios
```

Configuring Nagios Mod-Gearman to Run Checks

To configure Nagios Mod Gearman to run the Host and Service Checks, see [Nagios-Mod-Gearman-Queues-and-Workers](#) document.

Finishing Up

This completes the documentation on Compile Nagios Mod Gearman. 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](#)