

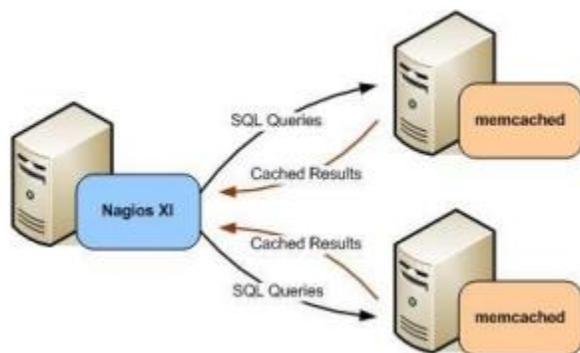
# How To Enable Memcached Support In Nagios XI 2024 And 2026

## Purpose

This document describes How to Enable Memcached Support In Nagios XI 2024 and 2026.

## Memcached Host Setup

You can setup one or more memcached servers (hosts) for use by Nagios XI. These instructions walk you through setting up a memcached instance on your Nagios XI server. The following steps require you to establish a terminal server to your Nagios XI server as a root user.



## Install Memcached

Install the required packages with the following command:

**RHEL | CentOS | Oracle Linux**

```
yum -y install memcached php-pecl-memcached
```

**Debian | Ubuntu**

```
apt-get install -y memcached php-memcached
```

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## Firewall Rules

Each memcached host must have its firewall configured to allow traffic on TCP port 11211 to allow Nagios XI to contact the memcached server. Execute the following commands to create the firewall rules.

### RHEL | CentOS | Oracle Linux

```
firewall-cmd --zone=public --add-port=11211/tcp
firewall-cmd --zone=public --add-port=11211/tcp --permanent
```

### Ubuntu

```
ufw allow proto tcp from any to any port 11211
ufw reload
```

### Debian

```
iptables -I INPUT -p tcp --dport 11211 -j ACCEPT
```

## Configure Memcached

This ensures the memcached server will start when the server boots and is also started by issuing the following commands:

### RHEL | CentOS | Oracle Linux | Debian | Ubuntu

```
systemctl enable memcached
systemctl start memcached
```

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## Enabling Memcached Support In PHP

An extension line (`extension=memcache.so`) needs to be added to your `php.ini` file. The location of the `php.ini` file differs depending on your operating system / version. The following command will determine the location:

```
find /etc -name php.ini
```

If there are multiple results then the one in the `apache` directory is the one that needs changing.

Add the extension line with the following command (the following example is using `/etc/php.ini`):

```
echo "extension=memcached.so" >> /etc/php.ini
```

You now need to restart the Apache service:

### RHEL | CentOS | Oracle Linux

```
systemctl restart httpd.service
```

### Debian | Ubuntu

```
systemctl restart apache2.service
```

## Enabling Memcached Support In Nagios XI

Edit your Nagios XI configuration file to enable memcached by executing the following command:

```
vi /usr/local/nagiosxi/html/config.inc.php
```

When using the `vi` editor, to make changes press `i` on the keyboard first to enter insert mode.

Press **Esc** to exit insert mode.

Find the following line:

```
$cfg['memcached_enable'] = false;
```

Change it to:

```
$cfg['memcached_enable'] = true;
```

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When you have finished, save the changes in vi by typing:

```
:wq
```

and press **Enter**.

Alternatively, these commands will make the change for you:

```
cd /usr/local/nagiosxi/html/  
sed -i "s/memcached_enable'] = false/memcached_enable'] = true/g" config.inc.php
```

Nagios XI will now start using memcached to cache SQL query results.

## Viewing Memcached Statistics

You can view the cache statistics of your running memcached server by downloading and installing the useful memcached-tool using the following commands:

```
cd ~  
wget https://raw.githubusercontent.com/memcached/memcached/master/scripts/memcached-tool  
chmod +x memcached-tool  
./memcached-tool 127.0.0.1 display  
./memcached-tool 127.0.0.1 stats
```

## Multiple Memcache Servers

Nagios XI supports using multiple memcache servers. In the config file `/usr/local/nagiosxi/html/config.inc.php` the following line dictates this:

```
$cfg['memcached_hosts']=array('127.0.0.1');
```

This is an array of addresses of the memcached servers you want Nagios XI to use. The address is surrounded by 'single quotes' and a comma , is used to separate each entry. For example:

```
$cfg['memcached_hosts']=array('192.168.1.3', '192.168.1.4', '192.168.1.5');
```

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## More Information

More information on memcached can be found at: <https://memcached.org/>

Additional documents on improving the performance of Nagios XI can be found in the following documentation:

[Maximizing Performance In Nagios XI](#)

## Finishing Up

This completes the documentation on enabling memcached in 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 Documentation Hub](#)

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