



```
[ec2-user@ip-172-31-39-132 ~]$ sudo yum install gcc glibc glibc-common
Last metadata expiration check: 0:06:34 ago on Thu Oct 10 05:36:53 2024.
Package glibc-2.34-52.amzn2023.0.11.x86_64 is already installed.
Package glibc-common-2.34-52.amzn2023.0.11.x86_64 is already installed.
Dependencies resolved.
```

Package	Architecture	Version	Repository
Installing:			
gcc	x86_64	11.4.1-2.amzn2023.0.2	amazonlinux
Installing dependencies:			
annobin-docs	noarch	10.93-1.amzn2023.0.1	amazonlinux
annobin-plugin-gcc	x86_64	10.93-1.amzn2023.0.1	amazonlinux
cpp	x86_64	11.4.1-2.amzn2023.0.2	amazonlinux
gc	x86_64	8.0.4-5.amzn2023.0.2	amazonlinux
glibc-devel	x86_64	2.34-52.amzn2023.0.11	amazonlinux
glibc-headers-x86	noarch	2.34-52.amzn2023.0.11	amazonlinux
guile22	x86_64	2.2.7-2.amzn2023.0.3	amazonlinux
kernel-headers	x86_64	6.1.109-118.189.amzn2023	amazonlinux
libmpc	x86_64	1.2.1-2.amzn2023.0.2	amazonlinux
libtool-ltdl	x86_64	2.4.7-1.amzn2023.0.3	amazonlinux
libxcrypt-devel	x86_64	4.4.33-7.amzn2023	amazonlinux
make	x86_64	1:4.3-5.amzn2023.0.2	amazonlinux

```
[ec2-user@ip-172-31-39-132 ~]$ sudo yum install gd gd-devel
Last metadata expiration check: 0:08:03 ago on Thu Oct 10 05:36:53 2024.
Dependencies resolved.
```

Package	Architecture	Version	Repository
Installing:			
gd	x86_64	2.3.3-5.amzn2023.0.3	amazonlinux
gd-devel	x86_64	2.3.3-5.amzn2023.0.3	amazonlinux
Installing dependencies:			
brtli	x86_64	1.0.9-4.amzn2023.0.2	amazonlinux
brtli-devel	x86_64	1.0.9-4.amzn2023.0.2	amazonlinux
bzip2-devel	x86_64	1.0.8-6.amzn2023.0.2	amazonlinux
cairo	x86_64	1.17.6-2.amzn2023.0.1	amazonlinux
cmake-filesystem	x86_64	3.22.2-1.amzn2023.0.4	amazonlinux
fontconfig	x86_64	2.13.94-2.amzn2023.0.2	amazonlinux
fontconfig-devel	x86_64	2.13.94-2.amzn2023.0.2	amazonlinux
fonts-filestream	noarch	1:2.0.5-12.amzn2023.0.2	amazonlinux
freetype	x86_64	2.13.2-5.amzn2023.0.1	amazonlinux
freetype-devel	x86_64	2.13.2-5.amzn2023.0.1	amazonlinux
glib2-devel	x86_64	2.74.7-689.amzn2023.0.2	amazonlinux
google-noto-fonts-common	noarch	20201206-2.amzn2023.0.2	amazonlinux
google-noto-sans-vf-fonts	noarch	20201206-2.amzn2023.0.2	amazonlinux
graphite2	x86_64	1.3.14-7.amzn2023.0.2	amazonlinux
graphite2-devel	x86_64	1.3.14-7.amzn2023.0.2	amazonlinux
harfbuzz	x86_64	7.0.0-2.amzn2023.0.1	amazonlinux
harfbuzz-devel	x86_64	7.0.0-2.amzn2023.0.1	amazonlinux

Complete!

```
[ec2-user@ip-172-31-39-132 ~]$ sudo adduser -m nagios
[ec2-user@ip-172-31-39-132 ~]$ sudo passwd nagios
Changing password for user nagios.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-39-132 ~]$
```

```
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-39-132 ~]$ sudo groupadd nagcmd
[ec2-user@ip-172-31-39-132 ~]$ sudo usermod -a -G nagcmd nagios
[ec2-user@ip-172-31-39-132 ~]$ sudo usermod -a -G nagcmd apache
[ec2-user@ip-172-31-39-132 ~]$ mkdir ~/downloads
[ec2-user@ip-172-31-39-132 ~]$
```

```
[ec2-user@ip-172-31-39-132 downloads]$ Wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz wget
-bash: Wget: command not found
[ec2-user@ip-172-31-39-132 downloads]$ wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
--2024-10-10 05:50:31-- https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
Resolving assets.nagios.com (assets.nagios.com)... 45.79.49.120, 2600:3c00:f03c:92ff:fe7f:45ce
Connecting to assets.nagios.com (assets.nagios.com)[45.79.49.120]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11333414 (11M) [application/x-gzip]
Saving to: 'nagios-4.4.6.tar.gz'

nagios-4.4.6.tar.gz          100%[=====>] 10.81M  13.3MB/s  in 0.8s

2024-10-10 05:50:32 (13.3 MB/s) - 'nagios-4.4.6.tar.gz' saved [11333414/11333414]
[ec2-user@ip-172-31-39-132 downloads]$
```

```
[ec2-user@ip-172-31-39-132 downloads]$ tar zxvf nagios-4.4.6.tar.gz
nagios-4.4.6/
nagios-4.4.6/.gitignore
nagios-4.4.6/.travis.yml
nagios-4.4.6/CONTRIBUTING.md
nagios-4.4.6/Changelog
nagios-4.4.6/INSTALLING
nagios-4.4.6/LLEGAL
nagios-4.4.6/LICENSE
```

```
Creating sample config files in sample-config/ ...
```

```
*** Configuration summary for nagios 4.4.6 2020-04-28 ***:
```

#### General Options:

```
-----
Nagios executable:  nagios
Nagios user/group:  nagios,nagios
Command user/group: nagios,nagcmd
Event Broker:      yes
Install ${prefix}:  /usr/local/nagios
Install ${includedir}: /usr/local/nagios/include/nagios
Lock file:         /run/nagios.lock
Check result directory: /usr/local/nagios/var/spool/checkresults
Init directory:    /lib/systemd/system
Apache conf.d directory: /etc/httpd/conf.d
Mail program:      /bin/mail
Host OS:           linux-gnu
IOBroker Method:   epoll
```

#### Web Interface Options:

```
-----
HTML URL:  http://localhost/nagios/
CGI URL:   http://localhost/nagios/cgi-bin/
```

```
[ec2-user@ip-172-31-39-132 nagios-4.4.6]$ make all
cd ./base && make
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/base'
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o nagios.o nagios.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o broker.o broker.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o nehmodes.o nehmodes.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o ../common/shared.o ../common/shared.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o query-handler.o query-handler.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o workers.o workers.c
In function 'get_wproc_list',
    inlined from 'get_worker' at workers.c:277:12:
workers.c:253:17: warning: '%s' directive argument is null [-Wformat-overflow=]
    253 |         log_debug_info(DEBUGL_CHECKS, 1, "Found specialized worker(s) for '%s'", (slash && *slash != '/') ? slash : cmd_name);
        |         ~~~~~^~~~~~
        |         |
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o checks.o checks.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o config.o config.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o commands.o commands.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o events.o events.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o flapping.o flapping.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o logging.o logging.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o macros-base.o ../common/macros.c
gcc -Wall -I. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o netutils.o netutils.c
netutils.c: In function 'my_tcp_connect':
netutils.c:50:47: warning: '%d' directive output may be truncated writing between 1 and 11 bytes into a region of size 6 [-Wformat-truncation=]
    50 |         snprintf(port_str, sizeof(port_str), "%d", port);
```

```

/usr/bin/install -c -m 755 -o root -g root /lib/systemd/system
/usr/bin/install -c -m 755 -o nagios -g nagios -d /usr/local/nagios/etc
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/etc/objects
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/nagios.cfg /usr/local/nagios/etc/nagios.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/cgi.cfg /usr/local/nagios/etc/cgi.cfg
/usr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nagios/etc/resource.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/templates.cfg /usr/local/nagios/etc/objects/templates.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/commands.cfg /usr/local/nagios/etc/objects/commands.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/contacts.cfg /usr/local/nagios/etc/objects/contacts.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/timeperiods.cfg /usr/local/nagios/etc/objects/timeperiods.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/localhost.cfg /usr/local/nagios/etc/objects/localhost.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/windows.cfg /usr/local/nagios/etc/objects/windows.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/printer.cfg /usr/local/nagios/etc/objects/printer.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/switch.cfg /usr/local/nagios/etc/objects/switch.cfg

*** Config files installed ***

Remember, these are *SAMPLE* config files. You'll need to read
the documentation for more information on how to actually define
services, hosts, etc. to fit your particular needs.

/usr/bin/install -c -m 775 -o nagios -g nagcmd -d /usr/local/nagios/var/rw
chmod g+s /usr/local/nagios/var/rw

*** External command directory configured ***

[ec2-user@ip-172-31-39-132 nagios-4.4.6]$

```

```

GNU nano 3.3 /usr/local/nagios/etc/objects/contacts.cfg MODIFIED
#####
# CONTACTS
#####
# Just one contact defined by default - the Nagios admin (that's you)
# This contact definition inherits a lot of default values from the
# 'generic-contact' template which is defined elsewhere.

define contact {
    contact_name      nagiosadmin          ; Short name of user
    use                generic-contact      ; Inherit default values from generic-contact template (defined above)
    alias              Nagios Admin         ; Full name of user
    email              tarunsha786@gmail.com; <***** CHANGE THIS TO YOUR EMAIL ADDRESS *****>
)

#####
# CONTACT GROUPS
#####

```

```

*** Config files installed ***

remember, these are *SAMPLE* config files. You'll need to read
the documentation for more information on how to actually define
services, hosts, etc. to fit your particular needs.

/usr/bin/install -c -m 775 -o nagios -g nagcmd -d /usr/local/nagios/var/rw
chmod g+s /usr/local/nagios/var/rw

*** External command directory configured ***

ec2-user@ip-172-31-39-132 nagios-4.4.6]$ sudo nano /usr/local/nagios/etc/objects/contacts.cfg
ec2-user@ip-172-31-39-132 nagios-4.4.6]$ sudo make install-webconf
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf
if [ 0 -eq 1 ]; then \
    ln -s /etc/httpd/conf.d/nagios.conf /etc/apache2/sites-enabled/nagios.conf; \
fi

*** Nagios/Apache conf file installed ***

ec2-user@ip-172-31-39-132 nagios-4.4.6]$

```

```

*** Nagios/Apache conf file installed ***

[ec2-user@ip-172-31-39-132 nagios-4.4.6]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[ec2-user@ip-172-31-39-132 nagios-4.4.6]$

```

```
tar zxvf nagios-plugins-2.0.3.tar.gz
tar (child): nagios-plugins-2.0.3.tar.gz: Cannot open: No such file or directory
tar (child): Error is not recoverable: exiting now
tar: Child returned status 2
tar: Error is not recoverable: exiting now
[ec2-user@ip-172-31-39-132 downloads]$
[ec2-user@ip-172-31-39-132 downloads]$ cd ~/downloads
[ec2-user@ip-172-31-39-132 downloads]$ tar zxvf nagios-plugins-2.0.3.tar.gz
tar (child): nagios-plugins-2.0.3.tar.gz: Cannot open: No such file or directory
tar (child): Error is not recoverable: exiting now
tar: Child returned status 2
tar: Error is not recoverable: exiting now
[ec2-user@ip-172-31-39-132 downloads]$
```

```
make
sudo make install
-bash: cd: nagios-plugins-2.0.3: No such file or directory
-bash: ./configure: No such file or directory
make: *** No targets specified and no makefile found. Stop.
make: *** No rule to make target 'install'. Stop.
[ec2-user@ip-172-31-39-132 downloads]$ sudo chkconfig --add nagios
sudo chkconfig nagios on
error reading information on service nagios: No such file or directory
Note: Forwarding request to 'systemctl enable nagios.service'.
Created symlink /etc/systemd/system/multi-user.target.wants/nagios.service → /usr/lib/systemd/system/nagios.service.
[ec2-user@ip-172-31-39-132 downloads]$
```

```
Created symlink /etc/systemd/system/multi-user.target.wants/nagios.service → /usr/lib/systemd/system/nagios.service.
[ec2-user@ip-172-31-39-132 downloads]$ sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
```

```
Nagios Core 4.4.6
Copyright (c) 2009-present Nagios Core Development Team and Community Contributors
Copyright (c) 1999-2009 Ethan Galstad
Last Modified: 2020-04-28
License: GPL
```

```
Website: https://www.nagios.org
Reading configuration data...
  Read main config file okay...
  Read object config files okay...
```

```
Running pre-flight check on configuration data...
```

```
Checking objects...
  Checked 8 services.
  Checked 1 hosts.
  Checked 1 host groups.
  Checked 0 service groups.
  Checked 1 contacts.
  Checked 1 contact groups.
  Checked 24 commands.
  Checked 5 time periods
```

Everything Look Okay - No serious problems were detected during the pre-flight check

```
[ec2-user@ip-172-31-39-132 downloads]$ sudo service nagios start
Redirecting to /bin/systemctl start nagios.service
[ec2-user@ip-172-31-39-132 downloads]$
```

```

Things look okay - No serious problems were detected during the pre-flight check
[ec2-user@ip-172-31-39-132 downloads]$ sudo service nagios start
Redirecting to /bin/systemctl start nagios.service
[ec2-user@ip-172-31-39-132 downloads]$ sudo systemctl status nagios
● nagios.service - Nagios Core 4.4.6
   Loaded: loaded (/usr/lib/systemd/system/nagios.service; enabled; preset: disabled)
   Active: active (running) since Thu 2024-10-10 08:46:15 UTC; 23s ago
     Docs: https://www.nagios.org/documentation
   Process: 54490 ExecStartPre=/usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
   Process: 54491 ExecStart=/usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
  Main PID: 54492 (nagios)
    Tasks: 6 (limit: 1112)
   Memory: 1.8M
      CPU: 16ms
   CGroup: /system.slice/nagios.service
           └─54492 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
           └─54493 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─54494 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─54495 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─54496 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─54497 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg

Oct 10 08:46:15 ip-172-31-39-132.ec2.internal nagios[54492]: qh: core query handler registered
Oct 10 08:46:15 ip-172-31-39-132.ec2.internal nagios[54492]: qh: echo service query handler registered
Oct 10 08:46:15 ip-172-31-39-132.ec2.internal nagios[54492]: qh: help for the query handler registered
Oct 10 08:46:15 ip-172-31-39-132.ec2.internal nagios[54492]: wproc: Successfully registered manager as @wproc with query handler
Oct 10 08:46:15 ip-172-31-39-132.ec2.internal nagios[54492]: wproc: Registry request: name=Core Worker 54496;pid=54496

```

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  - Documentation
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  - Tactical Overview
  - Map (Legacy)
  - Hosts
  - Services
  - Host Groups
    - Summary
    - Grid
  - Service Groups
    - Summary
    - Grid
  - Problems
    - Services (Unhandled)
    - Hosts (Unhandled)
    - Network Outages

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## Reports

- Availability
- Trends (Legacy)
- Alerts
  - History
  - Summary
  - Histogram (Legacy)
- Notifications
- Event Log

## System

- Comments
- Downtime
- Process Info
- Performance Info
- Scheduling Queue
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✓ **Daemon running with PID 54492**

**Nagios® Core™**  
Version 4.4.6  
April 28, 2020  
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Page Four