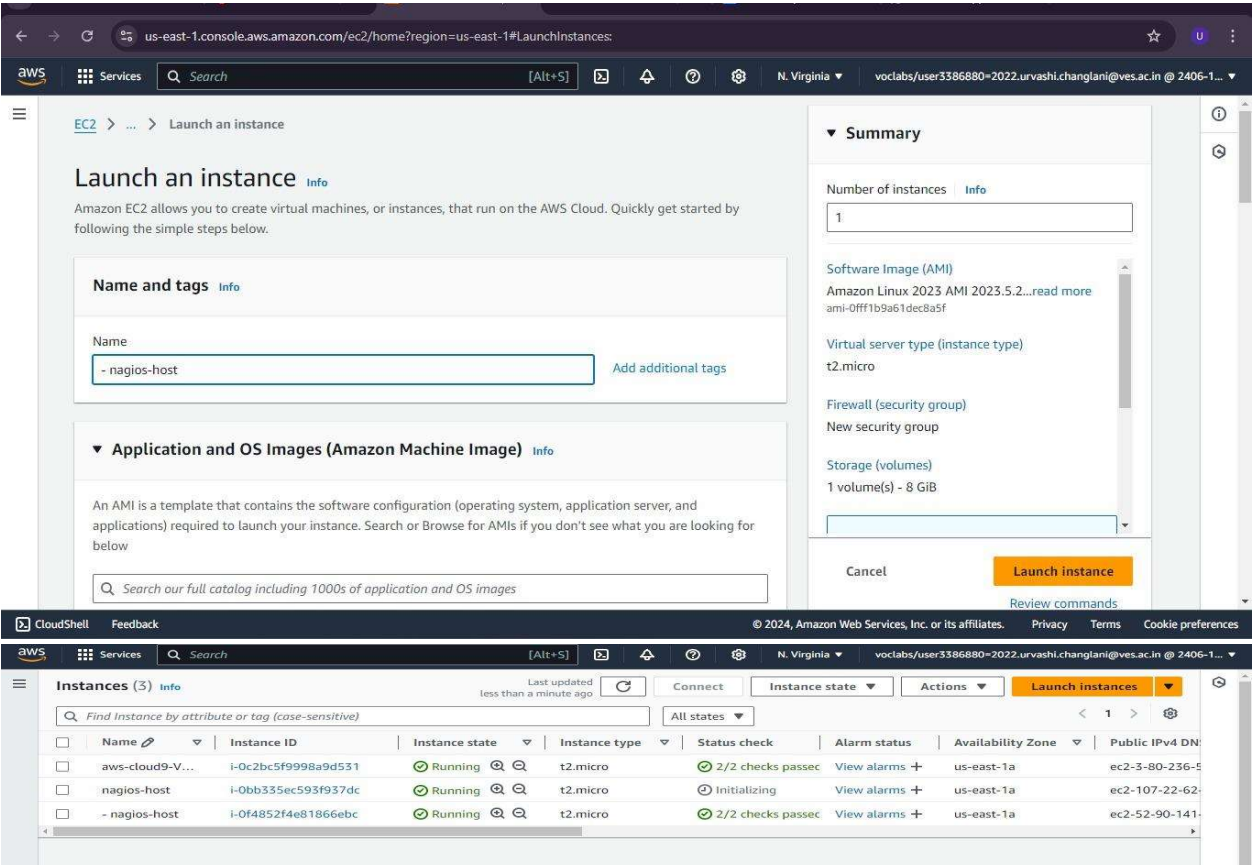
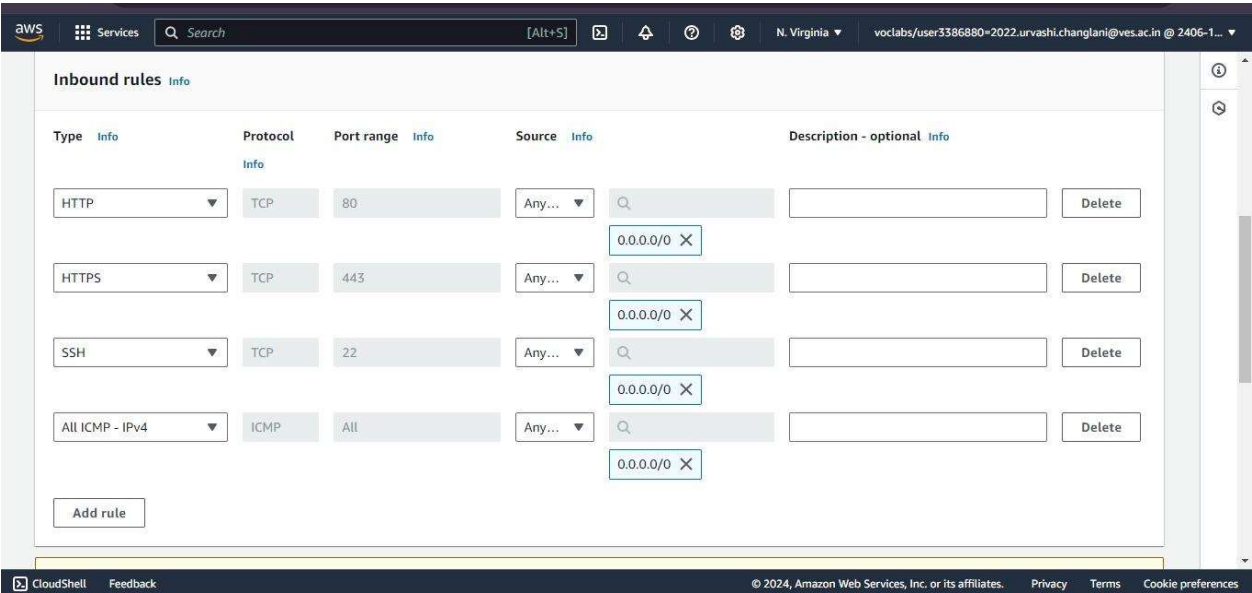


Steps:

1. Create an Amazon Linux EC2 Instance in AWS and name it - nagios-host



Group, make sure HTTP, HTTPS, SSH, ICMP are open from everywhere.



Security group (sg-0ff78fd4c6dc64d90 | MyNagiosSecurityGroup) was created successfully

sg-0ff78fd4c6dc64d90 - MyNagiosSecurityGroup

Details			
Security group name MyNagiosSecurityGroup	Security group ID sg-0ff78fd4c6dc64d90	Description Security group for Nagios monitoring server	VPC ID vpc-0ed40f9be4e40c532
Owner 240616015647	Inbound rules count 4 Permission entries	Outbound rules count 0 Permission entries	

Network settings

Network: vpc-0ed40f9be4e40c532

Subnet: No preference (Default subnet in any availability zone)

Auto-assign public IP: Enable

Firewall (security groups): **MyNagiosSecurityGroup**

Common security groups: MyNagiosSecurityGroup

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.5.2...

Virtual server type (instance type): t2.micro

Storage (volumes): 1 volume(s) - 8 GiB

Launch instance

3. SSH into Your EC2 instance or simply use EC2 Instance Connect from the browser.

Amazon Linux 2023

<https://aws.amazon.com/linux/amazon-linux-2023>

[ec2-user@ip-172-31-45-253 ~]\$

4. Update the package indices and install the following packages using yum

`sudo yum update`

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 240
^Z
[1]+  Stopped                  sudo yum update -y
[ec2-user@ip-172-31-45-253 ~]$ ps aux | grep yum
root      3140  0.0  0.8 233292  7832 ?        S   15:30   0:00 sudo yum install httpd php
root      3142  0.0  0.2 233292  2532 pts/1    Ss  15:30   0:00 sudo yum install httpd php
root      3143  0.0  5.7 363340 55684 pts/1    T+  15:30   0:00 /usr/bin/python3 /usr/bin/yum install httpd php
root      4604  0.0  0.8 233292  7852 pts/2    T   15:52   0:00 sudo yum update -y
root      4606  0.0  0.2 233292  2540 pts/3    Ss  15:52   0:00 sudo yum update -y
root      4607  0.3  4.9 283352 48108 pts/3    T+  15:52   0:00 /usr/bin/python3 /usr/bin/yum update -y
ec2-user  4669  0.0  0.2 222312  2048 pts/2    S+  15:53   0:00 grep --color=auto yum
[ec2-user@ip-172-31-45-253 ~]$ sudo kill -9 3143
[ec2-user@ip-172-31-45-253 ~]$ sudo kill -9 4607
[ec2-user@ip-172-31-45-253 ~]$ ps aux | grep yum
root      4604  0.0  0.8 233292  7852 pts/2    T   15:52   0:00 sudo yum update -y
ec2-user  4738  0.0  0.2 222312  2036 pts/2    S+  15:54   0:00 grep --color=auto yum
[ec2-user@ip-172-31-45-253 ~]$ sudo yum update -y
Amazon Linux 2023 repository                                42 MB/s | 28 MB   00:00
Amazon Linux 2023 Kernel Livepatch repository              64 kB/s | 11 kB   00:00
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-45-253 ~]$
```

sudo yum install httpd php

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2406-1...
[ec2-user@ip-172-31-45-253 ~]$ sudo kill -9 4607
[ec2-user@ip-172-31-45-253 ~]$ ps aux | grep yum
root      4604  0.0  0.8 233292  7852 pts/2    T   15:52   0:00 sudo yum update -y
ec2-user  4738  0.0  0.2 222312  2036 pts/2    S+  15:54   0:00 grep --color=auto yum
[ec2-user@ip-172-31-45-253 ~]$ sudo yum update -y
Amazon Linux 2023 repository                                42 MB/s | 28 MB   00:00
Amazon Linux 2023 Kernel Livepatch repository              64 kB/s | 11 kB   00:00
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-45-253 ~]$ sudo yum install httpd php
Last metadata expiration check: 0:05:33 ago on Thu Oct 10 15:55:15 2024.
Dependencies resolved.

=====
Package                                     Architecture      Version            Repository          Size
=====
Installing:
httpd                                       x86_64            2.4.62-1.amzn2023  amazonlinux         48 k
php8.3                                     x86_64            8.3.10-1.amzn2023.0.1  amazonlinux         10 k
Installing dependencies:
apr                                         x86_64            1.7.2-2.amzn2023.0.2  amazonlinux         129 k
apr-util                                  x86_64            1.6.3-1.amzn2023.0.1  amazonlinux         98 k
generic-logos-httpd                       noarch            18.0.0-12.amzn2023.0.3  amazonlinux         19 k
httpd-core                                 x86_64            2.4.62-1.amzn2023    amazonlinux         1.4 M
httpd-filesystem                          noarch            2.4.62-1.amzn2023    amazonlinux         14 k
httpd-tools                               x86_64            2.4.62-1.amzn2023    amazonlinux         81 k
libbrotli                                 x86_64            1.0.9-4.amzn2023.0.2  amazonlinux         315 k
libsodium                                 x86_64            1.0.19-4.amzn2023    amazonlinux         176 k
libxslt                                   x86_64            1.1.34-5.amzn2023.0.2  amazonlinux         241 k
=====
```

sudo yum install gcc glibc glibc-common

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2406
[ec2-user@ip-172-31-45-253 ~]$ sudo yum install gcc glibc glibc-common
Last metadata expiration check: 0:07:35 ago on Thu Oct 10 15:55:15 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          Size
=====
Installing:
gcc                                         x86_64            11.4.1-2.amzn2023.0.2  amazonlinux         32 M
Installing dependencies:
annobin-docs                             noarch            10.93-1.amzn2023.0.1  amazonlinux         92 k
annobin-plugin-gcc                       x86_64            10.93-1.amzn2023.0.1  amazonlinux         887 k
cpp                                        x86_64            11.4.1-2.amzn2023.0.2  amazonlinux         10 M
gc                                          x86_64            8.0.4-5.amzn2023.0.2  amazonlinux         105 k
glibc-devel                               x86_64            2.34-52.amzn2023.0.11  amazonlinux         27 k
glibc-headers-x86                         noarch            2.34-52.amzn2023.0.11  amazonlinux         427 k
guile22                                   x86_64            2.2.7-2.amzn2023.0.3  amazonlinux         6.4 M
kernel-headers                           x86_64            6.1.109-118.189.amzn2023  amazonlinux         1.4 M
libmpc                                    x86_64            1.2.1-2.amzn2023.0.2  amazonlinux         62 k
libtool-ltdl                             x86_64            2.4.7-1.amzn2023.0.3  amazonlinux         38 k
libxcrypt-devel                          x86_64            4.4.33-7.amzn2023     amazonlinux         32 k
make                                       x86_64            1:4.3-5.amzn2023.0.2  amazonlinux         534 k
=====

Transaction Summary
Install 13 Packages
Total download size: 52 M
```

sudo yum install gd gd-devel

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880-2022.urvashi.changlani@ves.ac.in @ 2406-1...
[ec2-user@ip-172-31-45-253 ~]$ sudo yum install gd gd-devel
Last metadata expiration check: 0:09:17 ago on Thu Oct 10 15:55:15 2024.
Dependencies resolved.

```

Package	Architecture	Version	Repository	Size
Installing:				
gd	x86_64	2.3.3-5.amzn2023.0.3	amazonlinux	139 k
gd-devel	x86_64	2.3.3-5.amzn2023.0.3	amazonlinux	38 k
Installing dependencies:				
brtoli	x86_64	1.0.9-4.amzn2023.0.2	amazonlinux	314 k
brtoli-devel	x86_64	1.0.9-4.amzn2023.0.2	amazonlinux	31 k
bzip2-devel	x86_64	1.0.8-6.amzn2023.0.2	amazonlinux	214 k
cairo	x86_64	1.17.6-2.amzn2023.0.1	amazonlinux	684 k
cmake-filessystem	x86_64	3.22.2-1.amzn2023.0.4	amazonlinux	16 k
fontconfig	x86_64	2.13.94-2.amzn2023.0.2	amazonlinux	273 k
fontconfig-devel	x86_64	2.13.94-2.amzn2023.0.2	amazonlinux	128 k
fonta-filessystem	noarch	1:2.0.5-12.amzn2023.0.2	amazonlinux	9.5 k
freetype	x86_64	2.13.2-5.amzn2023.0.1	amazonlinux	423 k
freetype-devel	x86_64	2.13.2-5.amzn2023.0.1	amazonlinux	912 k
glib2-devel	x86_64	2.74.7-689.amzn2023.0.2	amazonlinux	486 k
google-noto-fonts-common	noarch	20201206-2.amzn2023.0.2	amazonlinux	15 k
google-noto-sans-vf-fonts	noarch	20201206-2.amzn2023.0.2	amazonlinux	492 k
graphite2	x86_64	1.3.14-7.amzn2023.0.2	amazonlinux	97 k
graphite2-devel	x86_64	1.3.14-7.amzn2023.0.2	amazonlinux	21 k
harfbuzz	x86_64	7.0.0-2.amzn2023.0.1	amazonlinux	868 k
harfbuzz-devel	x86_64	7.0.0-2.amzn2023.0.1	amazonlinux	404 k
harfbuzz-icu	x86_64	7.0.0-2.amzn2023.0.1	amazonlinux	18 k
jbigkit-libs	x86_64	2.1-21.amzn2023.0.2	amazonlinux	54 k

5. Create a new Nagios User with its password. You'll have to enter the password twice for confirmation.

```
sudo adduser -m nagios
```

```
sudo passwd nagios
```

6. Create a new user group

```
sudo groupadd nagcmd
```

7. Use these commands so that you don't have to use sudo for Apache and Nagios

```
sudo usermod -a -G nagcmd nagios
```

```
sudo usermod -a -G nagcmd apache
```

8. Create a new directory for Nagios downloads

```
mkdir ~/downloads
```

```
cd ~/downloads
```

9. Use wget to download the source zip files.

```
wget
```

```
http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.
```

```
gz
```

```
wget http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz
```



```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2406-1

[ec2-user@ip-172-31-45-253 ~]$ sudo adduser -m nagios
adduser: user 'nagios' already exists
[ec2-user@ip-172-31-45-253 ~]$ sudo passwd nagios
Changing password for user nagios.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-45-253 ~]$ sudo groupadd nagcmd
[ec2-user@ip-172-31-45-253 ~]$ sudo usermod -a -G nagcmd nagios
[ec2-user@ip-172-31-45-253 ~]$ sudo usermod -a -G nagcmd apache
[ec2-user@ip-172-31-45-253 ~]$ mkdir ~/downloads
[ec2-user@ip-172-31-45-253 ~]$ cd ~/downloads
[ec2-user@ip-172-31-45-253 downloads]$ wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
--2024-10-10 16:11:04-- http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
Resolving prdownloads.sourceforge.net (prdownloads.sourceforge.net)... 204.68.111.105
Connecting to prdownloads.sourceforge.net (prdownloads.sourceforge.net) [204.68.111.105]:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz [following]
--2024-10-10 16:11:04-- http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz
Resolving downloads.sourceforge.net (downloads.sourceforge.net)... 204.68.111.105
Reusing existing connection to prdownloads.sourceforge.net:80.
HTTP request sent, awaiting response... 302 Found
Location: http://versaweb.dl.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz?viasf=1 [following]
--2024-10-10 16:11:04-- http://versaweb.dl.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz?viasf=1
Resolving versaweb.dl.sourceforge.net (versaweb.dl.sourceforge.net)... 162.251.232.173
Connecting to versaweb.dl.sourceforge.net (versaweb.dl.sourceforge.net) [162.251.232.173]:80... connected.
HTTP request sent, awaiting response... 200 OK
```

10. Use tar to unzip and change to that directory.

`tar zxvf nagios-4.0.8.tar.gz`

11. Run the configuration script with the same group name you previously created.

`./configure --with-command-group=nagcmd`

12. Configure the web interface.

`sudo make install-webconf`

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2406-1

[ec2-user@ip-172-31-45-253 nagioscore-nagios-4.4.7]$ sudo make install
cd ./base && make install
make[1]: Entering directory '/tmp/nagioscore-nagios-4.4.7/base'
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/bin
/usr/bin/install -c -s -m 774 -o nagios -g nagios nagios /usr/local/nagios/bin
/usr/bin/install -c -s -m 774 -o nagios -g nagios nagiosstats /usr/local/nagios/bin
make[1]: Leaving directory '/tmp/nagioscore-nagios-4.4.7/base'
cd ./cgi && make install
make[1]: Entering directory '/tmp/nagioscore-nagios-4.4.7/cgi'
make install-basic
make[2]: Entering directory '/tmp/nagioscore-nagios-4.4.7/cgi'
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/sbin
for file in *.cgi; do \
    /usr/bin/install -c -s -m 775 -o nagios -g nagios $file /usr/local/nagios/sbin; \
done
make[2]: Leaving directory '/tmp/nagioscore-nagios-4.4.7/cgi'
make[1]: Leaving directory '/tmp/nagioscore-nagios-4.4.7/cgi'
cd ./html && make install
make[1]: Entering directory '/tmp/nagioscore-nagios-4.4.7/html'
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/media
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/stylesheets
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/contexthelp
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/docs
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/docs/images
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/js
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/images
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/images/logos
```

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2406-1...

Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Thu Oct 10 16:43:00 2024 from 18.206.107.29
[ec2-user@ip-172-31-45-253 ~]$ cd ~/downloads/nagios-4.0.8
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo make install-webconf
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf

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

[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
htpasswd: password verification error
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$
```

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2406-1...

*** Support Notes *****

If you have questions about configuring or running Nagios,
please make sure that you:

- Look at the sample config files
- Read the documentation on the Nagios Library at:
  https://library.nagios.com

before you post a question to one of the mailing lists.
Also make sure to include pertinent information that could
help others help you. This might include:

- What version of Nagios you are using
- What version of the plugins you are using
- Relevant snippets from your config files
- Relevant error messages from the Nagios log file

For more information on obtaining support for Nagios, visit:
https://support.nagios.com

*****

Enjoy.

[ec2-user@ip-172-31-45-253 nagioscore-nagios-4.4.7]$
```

14. Edit the config file and change the email address.

`sudo nano /usr/local/nagios/etc/objects/contacts.cfg`

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2406-1...

GNU nano 5.8 /usr/local/nagios/etc/objects/contacts.cfg
#####
# CONTACTS.CFG - SAMPLE CONTACT/CONTACTGROUP DEFINITIONS
#
# NOTES: This config file provides you with some example contact and contact
# group definitions that you can reference in host and service
# definitions.
#
# You don't need to keep these definitions in a separate file from your
# other object definitions. This has been done just to make things
# easier to understand.
#
#####

#####

#####

#####
^G Help      ^O Write Out  ^W Where Is   ^R Cut        ^T Execute    ^C Location   ^U Undo       ^M Set Mark   ^I To Bracket
^X Exit      ^R Read File  ^_ Replace    ^V Paste      ^J Justify    ^_ Go To Line ^E Redo       ^G Copy       ^C Where Was
```

16. Create a nagiosadmin account for nagios login along with password. You'll have to

specify the password twice.

```
sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
```

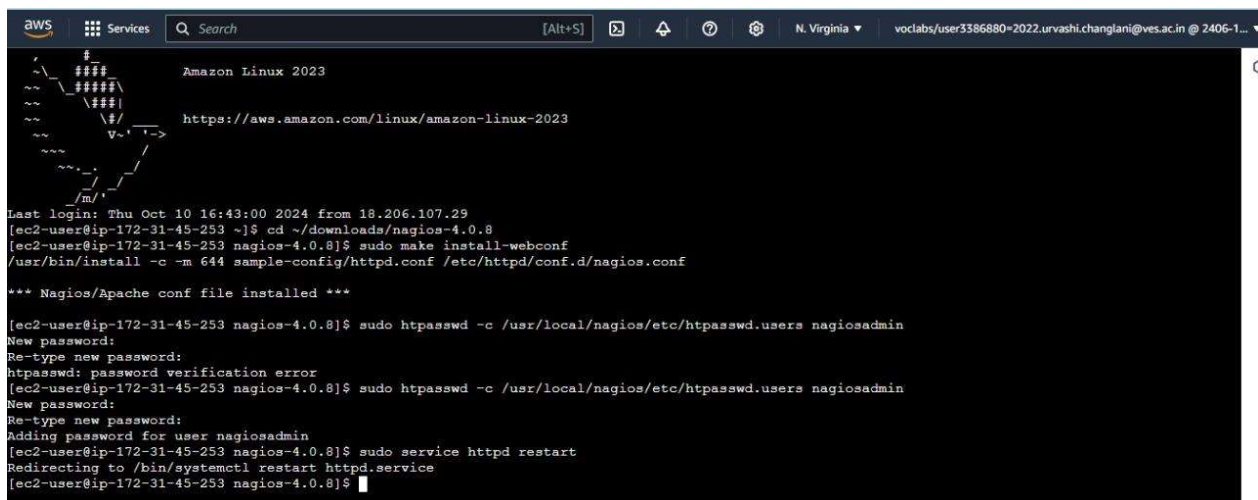
17. Restart Apache

```
sudo service httpd restart
```

18. Go back to the downloads folder and unzip the plugins zip file.

```
cd ~/downloads
```

```
tar zxvf nagios-plugins-2.0.3.tar.gz
```



```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Thu Oct 10 16:43:00 2024 from 18.206.107.29
[ec2-user@ip-172-31-45-253 ~]$ cd ~/downloads/nagios-4.0.8
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo make install-webconf
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf

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

[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
htpasswd: password verification error
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$ sudo service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[ec2-user@ip-172-31-45-253 nagios-4.0.8]$
```

19. Compile and install plugins

```
cd nagios-plugins-2.0.3
```

```
./configure --with-nagios-user=nagios --with-nagios-group=nagios
```

```
make
```

```
sudo make install
```

```
[ec2-user@ip-172-31-45-253 nagioscore-nagios-4.4.7]$ sudo make install-init
/usr/bin/install -c -m 755 -d -o root -g root /lib/systemd/system
/usr/bin/install -c -m 755 -o root -g root startup/default-service /lib/systemd/system/nagios.service

[ec2-user@ip-172-31-45-253 nagioscore-nagios-4.4.7]$ sudo make install-config
/usr/bin/install -c -m 775 -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.
```

20. Start Nagios

Add Nagios to the list of system services

```
sudo chkconfig --add nagios
```

```
sudo chkconfig nagios on
```

Verify the sample configuration files

```
sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
```

If there are no errors, you can go ahead and start Nagios.

```
sudo service nagios start
```

```
[ec2-user@ip-172-31-45-253 nagioscore-nagios-4.4.7]$ sudo make install-commandmode
/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-172-31-45-253 nagioscore-nagios-4.4.7]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[ec2-user@ip-172-31-45-253 nagioscore-nagios-4.4.7]$ sudo service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[ec2-user@ip-172-31-45-253 nagioscore-nagios-4.4.7]$
```



```
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.
  Checked 0 host escalations.
  Checked 0 service escalations.
Checking for circular paths...
  Checked 1 hosts
  Checked 0 service dependencies
  Checked 0 host dependencies
  Checked 5 timeperiods
Checking global event handlers...
Checking obsessive compulsive processor commands...
Checking misc settings...

Total Warnings: 0
Total Errors: 0

Things look okay - No serious problems were detected during the pre-flight check

[ec2-user@ip-172-31-45-253 nagios-plugins-2.0.3]$ sudo service nagios start
Starting nagios (via systemctl): [ OK ]
```

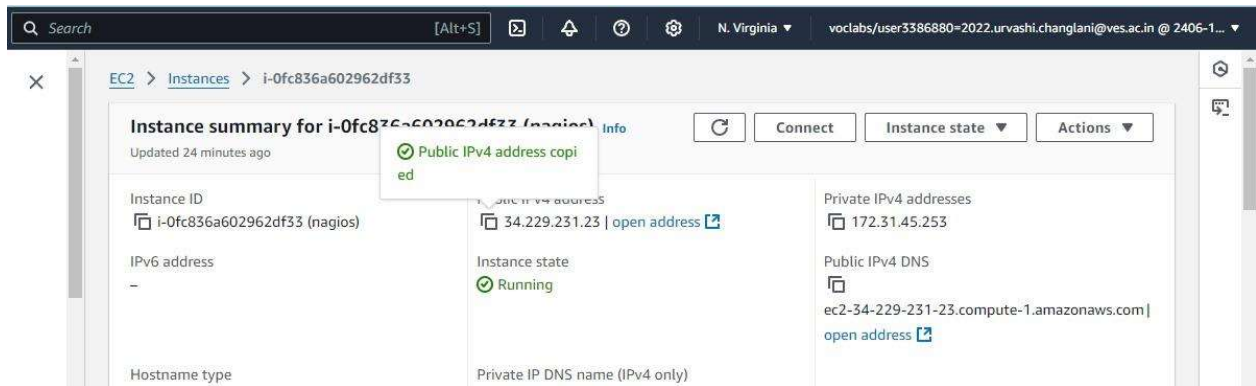
21. Check the status of Nagios

sudo systemctl status nagios

```
aws Services Search [Alt+S] N. Virginia voclabs/user3386880=2022.urvashi.changlani@ves.ac.in @ 2400
lines 8-28/28 (END)
[ec2-user@ip-172-31-45-253 nagios-plugins-2.0.3]$ http://123.45.67.89/nagios
-bash: http://123.45.67.89/nagios: No such file or directory
[ec2-user@ip-172-31-45-253 nagios-plugins-2.0.3]$ curl http://169.254.169.254/latest/meta-data/public-ipv4
[ec2-user@ip-172-31-45-253 nagios-plugins-2.0.3]$ http://34.229.231.23/nagios
-bash: http://34.229.231.23/nagios: No such file or directory
[ec2-user@ip-172-31-45-253 nagios-plugins-2.0.3]$ sudo systemctl status nagios
● nagios.service - Nagios Core 4.4.7
   Loaded: loaded (/usr/lib/systemd/system/nagios.service; enabled; preset: disabled)
   Active: active (running) since Thu 2024-10-10 17:40:03 UTC; 12min ago
     Docs: https://www.nagios.org/documentation
   Process: 100336 ExecStartPre=/usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
   Process: 100337 ExecStart=/usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
   Main PID: 100338 (nagios)
    Tasks: 6 (limit: 1112)
   Memory: 7.2M
      CPU: 240ms
   CGroup: /system.slice/nagios.service
           └─100338 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
             └─100339 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
               └─100340 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                 └─100341 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                   └─100342 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                     └─100343 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg

Oct 10 17:44:55 ip-172-31-45-253.ec2.internal nagios[100338]: SERVICE ALERT: localhost;HTTP;WARNING;HARD;4;HTTP WARNING: HTTP/1.1 403 Forbidden
Oct 10 17:45:25 ip-172-31-45-253.ec2.internal nagios[100338]: SERVICE ALERT: localhost;Swap Usage;CRITICAL;SOFT;2;SWAP CRITICAL - 0% free (0 MB)
Oct 10 17:46:25 ip-172-31-45-253.ec2.internal nagios[100338]: SERVICE ALERT: localhost;Swap Usage;CRITICAL;SOFT;3;SWAP CRITICAL - 0% free (0 MB)
```

22. Go back to EC2 Console and copy the Public IP address of this instance



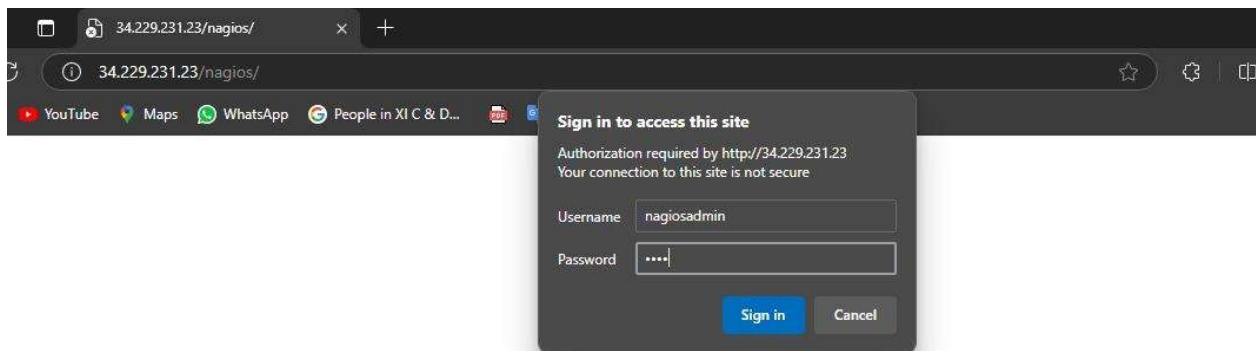
23. Open up your browser and look for `http://<your_public_ip_address>/nagios`

Enter username as `nagiosadmin` and password which you set in

Step 16

24. After entering the correct credentials, you will see this page.

This means that Nagios was correctly installed and configured with its plugins so far.



Nagios: 34.229.231.23

Not secure | 34.229.231.23/nagios/

Gmail

YouTube

Maps

WhatsApp

People in Xi C & D...

Translate

News

Bing

Nagios

General

Home

Documentation

Current Status

Tactical Overview

Map (Legacy)

Hosts

Services

Host Groups

Summary

Grid

Service Groups

Summary

Grid

Problems

Services (Unhandled)

Hosts (Unhandled)

Network Outages

Quick Search:

Reports

Availability

Trends (Legacy)

Alerts

History

Summary

Histogram (Legacy)

Notifications

Event Log

System

Nagios

Core

Daemon running with PID 100338

Nagios Core

Version 4.4.7

April 14, 2022

Check for updates

Get Started

- Start monitoring your infrastructure
- Change the look and feel of Nagios
- Extend Nagios with hundreds of addons
- Get support
- Get training
- Get certified

Quick Links

- Nagios Library (tutorials and docs)
- Nagios Labs (development blog)
- Nagios Exchange (plugins and addons)
- Nagios Support (tech support)
- Nagios.com (company)
- Nagios.org (project)

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