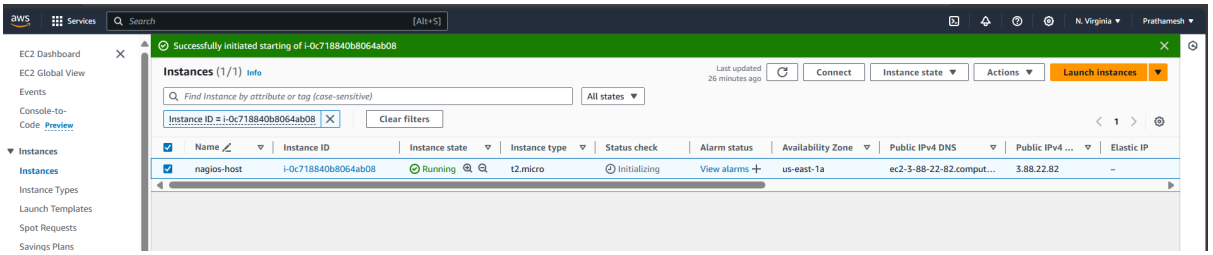
Prathamesh Palve **D15A-32** **Batch B**

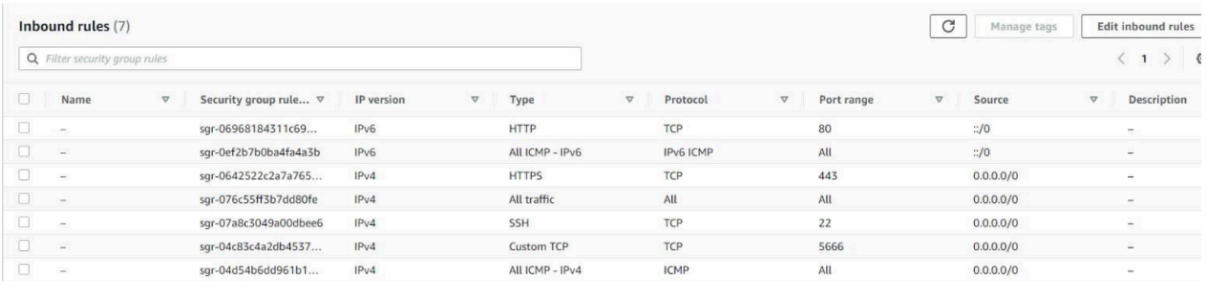
Experiment No 9

AIM: To Understand Continuous monitoring and Installation and configuration of Nagios Core,Nagios Plugins and NRPE (Nagios Remote Plugin Executor) on Linux Machine.

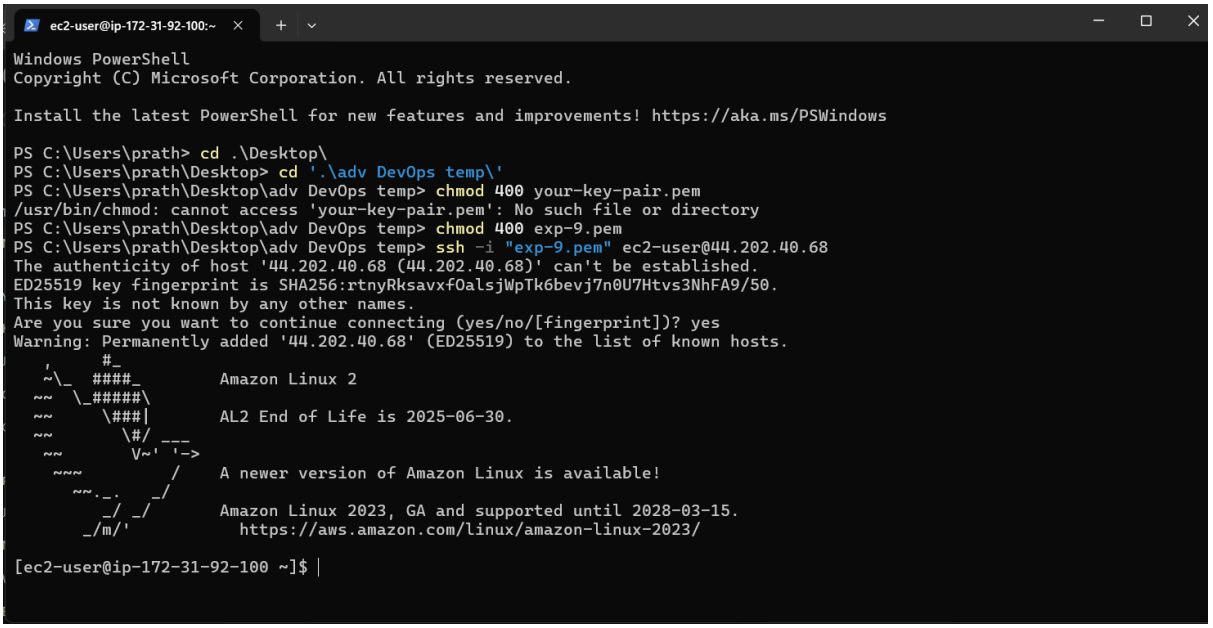
1. Create an Amazon Linux EC2 Instance in AWS and name it - nagios-host



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



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



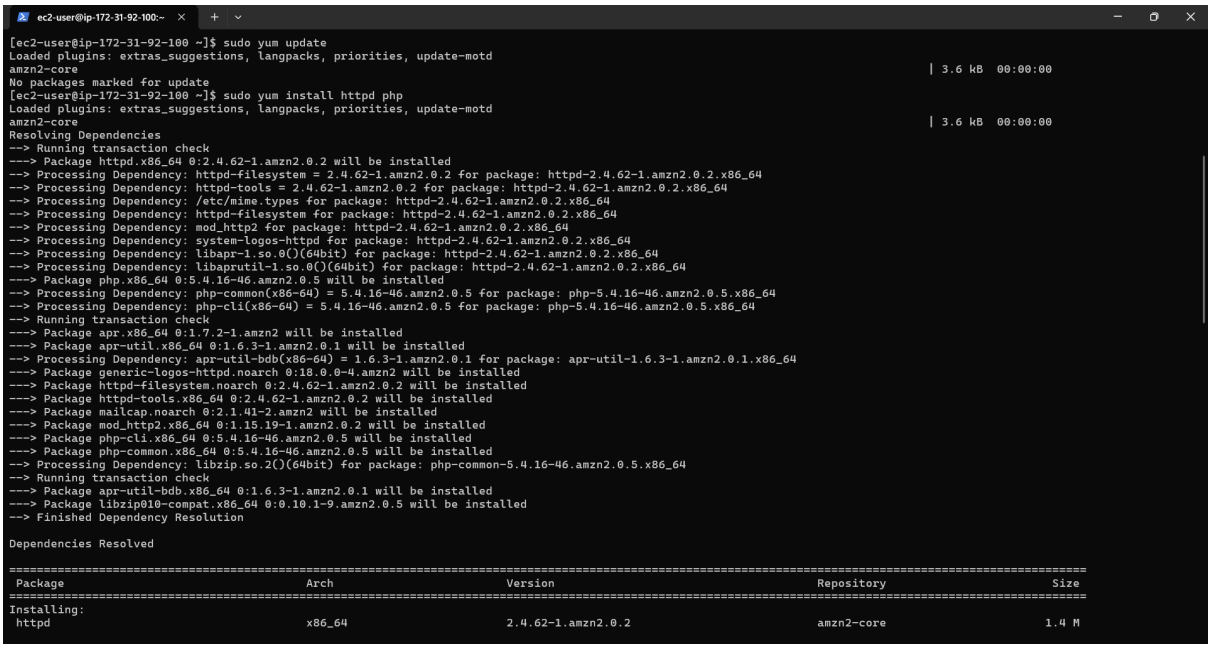
4. Update the package indices and install the following packages using yum

    sudo yum update

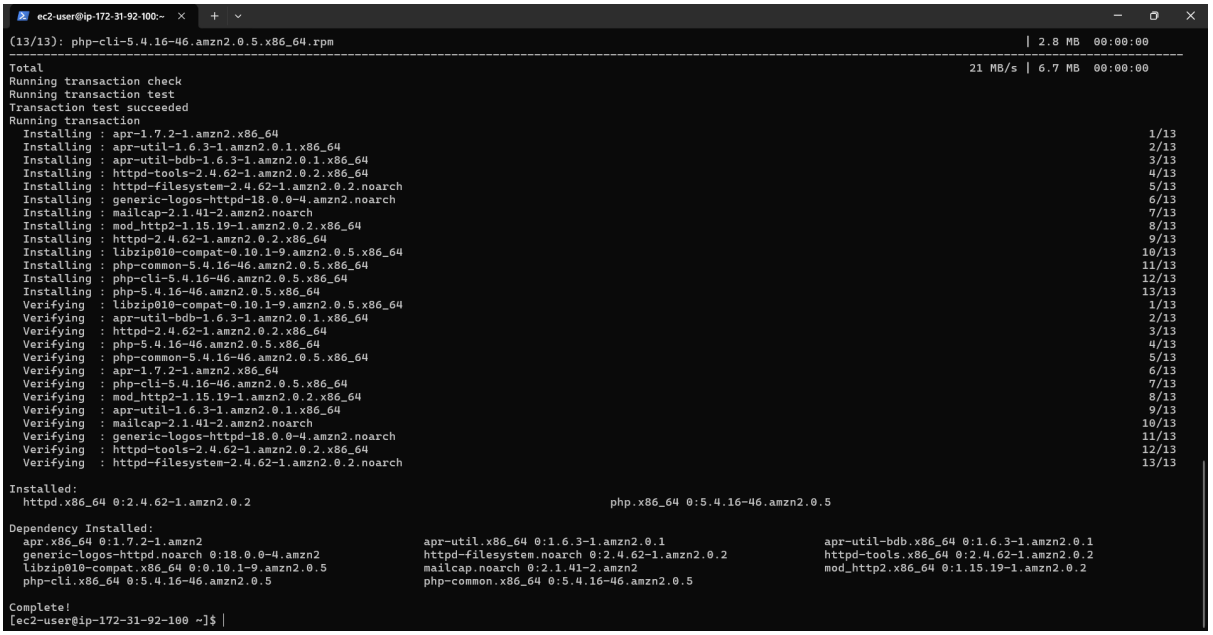
    sudo yum install httpd php

    sudo yum install gcc glibc glibc-common

    sudo yum install gd gd-devel



```
ec2-user@ip-172-31-92-100:~
[ec2-user@ip-172-31-92-100 ~]$ sudo yum update
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                                                                                                                | 3.6 kB  00:00:00
No packages marked for update
[ec2-user@ip-172-31-92-100 ~]$ sudo yum install httpd php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                                                                                                                | 3.6 kB  00:00:00
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.62-1.amzn2.0.2 will be installed
--> Processing Dependency: httpd-filesystem = 2.4.62-1.amzn2.0.2 for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: httpd-tools = 2.4.62-1.amzn2.0.2 for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.62-1.amzn2.0.2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.62-1.amzn2.0.2.x86_64
---> Package php.x86_64 0:5.4.16-46.amzn2.0.5 will be installed
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.5 for package: php-5.4.16-46.amzn2.0.5.x86_64
--> Processing Dependency: php-cli(x86-64) = 5.4.16-46.amzn2.0.5 for package: php-5.4.16-46.amzn2.0.5.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.7.2-1.amzn2 will be installed
---> Package apr-util.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.3-1.amzn2.0.1 for package: apr-util-1.6.3-1.amzn2.0.1.x86_64
---> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
---> Package httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2 will be installed
---> Package httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2 will be installed
---> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
---> Package mod_http2.x86_64 0:1.15.19-1.amzn2.0.2 will be installed
---> Package php-cli.x86_64 0:5.4.16-46.amzn2.0.5 will be installed
---> Package php-common.x86_64 0:5.4.16-46.amzn2.0.5 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-46.amzn2.0.5.x86_64
--> Running transaction check
---> Package apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
---> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================================================================================================
 Package                                Arch                       Version                                  Repository                          Size
================================================================================================================================================================
Installing:
 httpd                                  x86_64                     2.4.62-1.amzn2.0.2                       amzn2-core                         1.4 M
```



```
ec2-user@ip-172-31-92-100:~
(13/13): php-cli-5.4.16-46.amzn2.0.5.x86_64.rpm                                                                                                           | 2.8 MB  00:00:00
----------------------------------------------------------------------------------------------------------------------------------------------------------------
Total                                                                                                                                          21 MB/s | 6.7 MB  00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : apr-1.7.2-1.amzn2.x86_64                                                                                                                          1/13
  Installing : apr-util-1.6.3-1.amzn2.0.1.x86_64                                                                                                                 2/13
  Installing : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64                                                                                                             3/13
  Installing : httpd-tools-2.4.62-1.amzn2.0.2.x86_64                                                                                                             4/13
  Installing : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch                                                                                                        5/13
  Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch                                                                                                         6/13
  Installing : mailcap-2.1.41-2.amzn2.noarch                                                                                                                     7/13
  Installing : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                                                                              8/13
  Installing : httpd-2.4.62-1.amzn2.0.2.x86_64                                                                                                                   9/13
  Installing : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64                                                                                                       10/13
  Installing : php-common-5.4.16-46.amzn2.0.5.x86_64                                                                                                            11/13
  Installing : php-cli-5.4.16-46.amzn2.0.5.x86_64                                                                                                               12/13
  Installing : php-5.4.16-46.amzn2.0.5.x86_64                                                                                                                   13/13
  Verifying  : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64                                                                                                        1/13
  Verifying  : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64                                                                                                             2/13
  Verifying  : httpd-2.4.62-1.amzn2.0.2.x86_64                                                                                                                   3/13
  Verifying  : php-5.4.16-46.amzn2.0.5.x86_64                                                                                                                    4/13
  Verifying  : php-common-5.4.16-46.amzn2.0.5.x86_64                                                                                                             5/13
  Verifying  : apr-1.7.2-1.amzn2.x86_64                                                                                                                          6/13
  Verifying  : php-cli-5.4.16-46.amzn2.0.5.x86_64                                                                                                                7/13
  Verifying  : mod_http2-1.15.19-1.amzn2.0.2.x86_64                                                                                                              8/13
  Verifying  : apr-util-1.6.3-1.amzn2.0.1.x86_64                                                                                                                 9/13
  Verifying  : mailcap-2.1.41-2.amzn2.noarch                                                                                                                    10/13
  Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch                                                                                                        11/13
  Verifying  : httpd-tools-2.4.62-1.amzn2.0.2.x86_64                                                                                                            12/13
  Verifying  : httpd-filesystem-2.4.62-1.amzn2.0.2.noarch                                                                                                       13/13

Installed:
  httpd.x86_64 0:2.4.62-1.amzn2.0.2                                  php.x86_64 0:5.4.16-46.amzn2.0.5

Dependency Installed:
  apr.x86_64 0:1.7.2-1.amzn2                apr-util.x86_64 0:1.6.3-1.amzn2.0.1          apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1
  generic-logos-httpd.noarch 0:18.0.0-4.amzn2   httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2   httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2
  libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5  mailcap.noarch 0:2.1.41-2.amzn2              mod_http2.x86_64 0:1.15.19-1.amzn2.0.2
  php-cli.x86_64 0:5.4.16-46.amzn2.0.5      php-common.x86_64 0:5.4.16-46.amzn2.0.5

Complete!
[ec2-user@ip-172-31-92-100 ~]$
```

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

```
[ec2-user@ip-172-31-92-100 ~]$  sudo adduser -m nagios
adduser: user 'nagios' already exists
[ec2-user@ip-172-31-92-100 ~]$ sudo passwd nagios
Changing password for user nagios.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-92-100 ~]$
```

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

```
[ec2-user@ip-172-31-92-100 ~]$ sudo groupadd nagcmd
[ec2-user@ip-172-31-92-100 ~]$ sudo usermod -a -G nagcmd nagios
[ec2-user@ip-172-31-92-100 ~]$ sudo usermod -a -G nagcmd apache
```

8. Create a new directory for Nagios downloads

mkdir ~/downloads

cd ~/downloads

```
[ec2-user@ip-172-31-92-100 ~]$ mkdir ~/downloads
[ec2-user@ip-172-31-92-100 ~]$ 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

```
[ec2-user@ip-172-31-92-100 downloads]$ wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
--2024-09-29 20:39:25--  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]
```

```
[ec2-user@ip-172-31-92-100 ~]$ sudo groupadd nagcmd
[ec2-user@ip-172-31-92-100 ~]$ sudo usermod -a -G nagcmd nagios
[ec2-user@ip-172-31-92-100 ~]$ sudo usermod -a -G nagcmd apache
[ec2-user@ip-172-31-92-100 ~]$ mkdir ~/downloads
[ec2-user@ip-172-31-92-100 ~]$ cd ~/downloads
[ec2-user@ip-172-31-92-100 downloads]$ wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
--2024-09-29 20:39:25--  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]
--2024-09-29 20:39:25--  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]
--2024-09-29 20:39:25--  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
Length: 1805059 (1.7M) [application/x-gzip]
Saving to: 'nagios-4.0.8.tar.gz'

100%[=====================================================================================================================>] 1,805,059   3.53MB/s   in 0.5s

2024-09-29 20:39:26 (3.53 MB/s) - 'nagios-4.0.8.tar.gz' saved [1805059/1805059]

[ec2-user@ip-172-31-92-100 downloads]$ wget http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz
--2024-09-29 20:39:26--  http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz
Resolving nagios-plugins.org (nagios-plugins.org)... 45.56.123.251
Connecting to nagios-plugins.org (nagios-plugins.org)|45.56.123.251|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2659772 (2.5M) [application/x-gzip]
Saving to: 'nagios-plugins-2.0.3.tar.gz'

100%[=====================================================================================================================>] 2,659,772   6.77MB/s   in 0.4s

2024-09-29 20:39:26 (6.77 MB/s) - 'nagios-plugins-2.0.3.tar.gz' saved [2659772/2659772]

[ec2-user@ip-172-31-92-100 downloads]$
```

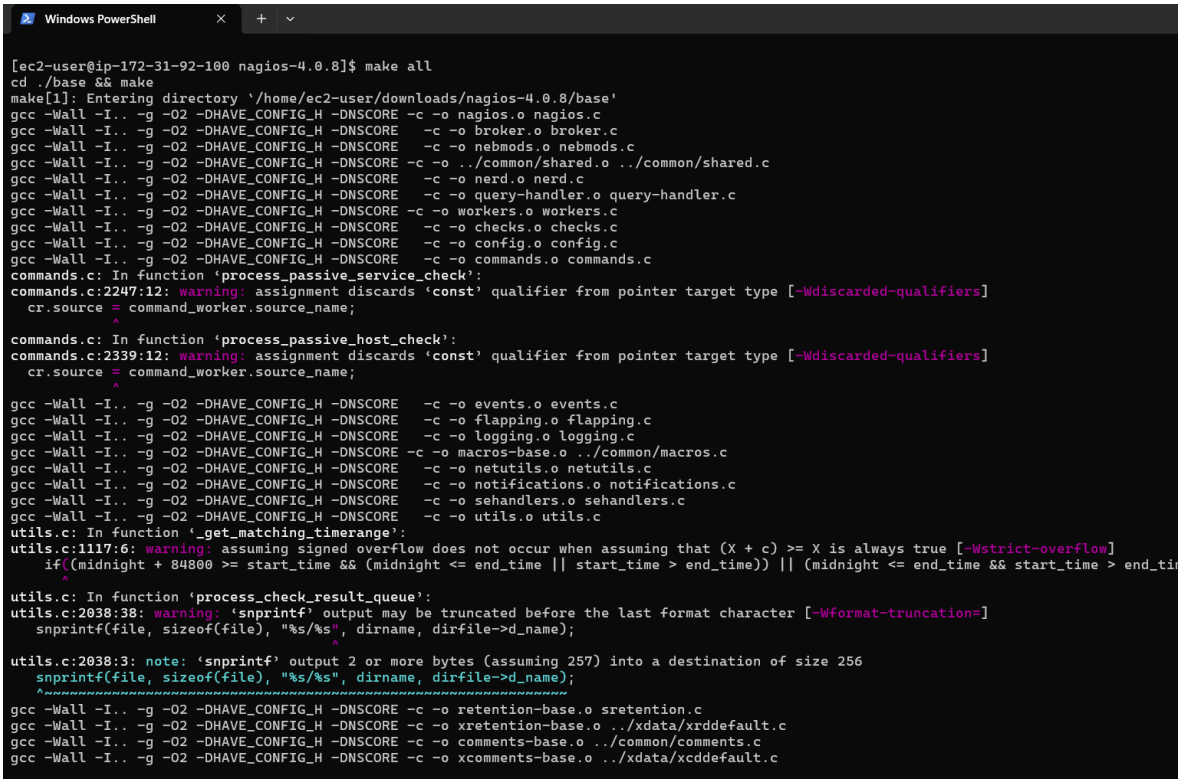
10. Use tar to unzip and change to that directory.
    tar zxvf nagios-4.0.8.tar.gz

```
ec2-user@ip-172-31-92-100:~,
[ec2-user@ip-172-31-92-100 downloads]$ tar zxvf nagios-4.0.8.tar.gz
nagios-4.0.8/
nagios-4.0.8/.gitignore
nagios-4.0.8/Changelog
nagios-4.0.8/INSTALLING
nagios-4.0.8/LEGAL
nagios-4.0.8/LICENSE
nagios-4.0.8/Makefile.in
nagios-4.0.8/README
nagios-4.0.8/README.asciidoc
nagios-4.0.8/THANKS
nagios-4.0.8/UPGRADING
nagios-4.0.8/base/
nagios-4.0.8/base/.gitignore
nagios-4.0.8/base/Makefile.in
nagios-4.0.8/base/broker.c
```

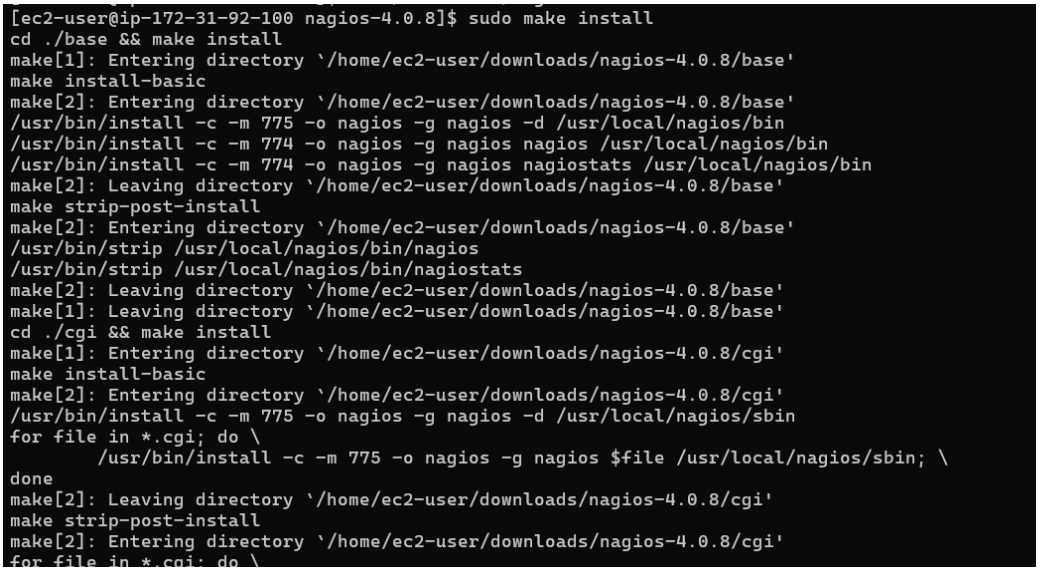
11. Run the configuration script with the same group name you previously created.
    ./configure --with-command-group=nagcmd

```
Windows PowerShell
[ec2-user@ip-172-31-92-100 downloads]$ cd nagios-4.0.8
[ec2-user@ip-172-31-92-100 nagios-4.0.8]$ ./configure --with-command-group=nagcmd
checking for a BSD-compatible install... /usr/bin/install -c
checking build system type... x86_64-unknown-linux-gnu
checking host system type... x86_64-unknown-linux-gnu
checking for gcc... gcc
checking for C compiler default output file name... a.out
checking whether the C compiler works... yes
checking whether we are cross compiling... no
checking for suffix of executables...
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking whether make sets $(MAKE)... yes
checking for strip... /usr/bin/strip
checking how to run the C preprocessor... gcc -E
```

12. Compile the source code.
    make all



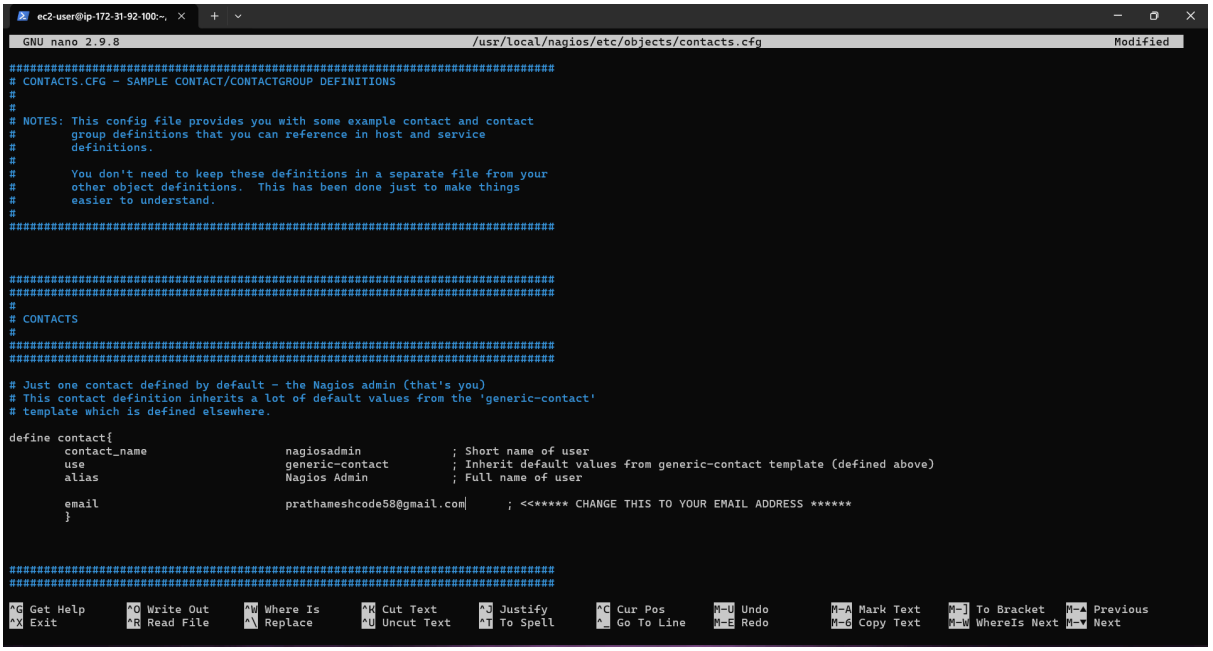
13. Install binaries, init script and sample config files. Lastly, set permissions on the external command directory.
    sudo make install
    sudo make install-init
    sudo make install-config
    sudo make install-commandmode



```
*** 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:
          http://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:

       http://support.nagios.com

************************************************************

Enjoy.
```

14. Edit the config file and change the email address.
    sudo nano /usr/local/nagios/etc/objects/contacts.cfg

```
[ec2-user@ip-172-31-92-100 nagios-4.0.8]$ sudo nano /usr/local/nagios/etc/objects/contacts.cfg
```




```
define contact{
        contact_name                    nagiosadmin             ; Short name of user
        use                             generic-contact         ; Inherit default values from generic-contact template (defined
        alias                           Nagios Admin            ; Full name of user

        email                           prathameshcode58@gmail.com      ; <****** CHANGE THIS TO YOUR EMAIL ADDRESS ******
        }
```

15. Configure the web interface.

sudo make install-webconf

```
[ec2-user@ip-172-31-92-100 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 ***
```

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

```
[ec2-user@ip-172-31-92-100 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
```

17. Restart Apache

sudo service httpd restart

```
[ec2-user@ip-172-31-92-100 nagios-4.0.8]$ sudo service httpd restart
Redirecting to /bin/systemctl restart httpd.service
```

19. Compile and install plugins

cd nagios-plugins-2.0.3

```
[ec2-user@ip-172-31-92-100 nagios-4.0.8]$ cd ~/downloads
[ec2-user@ip-172-31-92-100 downloads]$ tar zxvf nagios-plugins-2.0.3.tar.gz
nagios-plugins-2.0.3/
nagios-plugins-2.0.3/perlmods/
nagios-plugins-2.0.3/perlmods/Config-Tiny-2.14.tar.gz
nagios-plugins-2.0.3/perlmods/parent-0.226.tar.gz
nagios-plugins-2.0.3/perlmods/Test-Simple-0.98.tar.gz
nagios-plugins-2.0.3/perlmods/Makefile.in
nagios-plugins-2.0.3/perlmods/version-0.9903.tar.gz
nagios-plugins-2.0.3/perlmods/Makefile.am
nagios-plugins-2.0.3/perlmods/Module-Runtime-0.013.tar.gz
nagios-plugins-2.0.3/perlmods/Module-Metadata-1.000014.tar.gz
nagios-plugins-2.0.3/perlmods/Params-Validate-1.08.tar.gz
nagios-plugins-2.0.3/perlmods/Class-Accessor-0.34.tar.gz
nagios-plugins-2.0.3/perlmods/Try-Tiny-0.18.tar.gz
nagios-plugins-2.0.3/perlmods/Module-Implementation-0.07.tar.gz
```

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

make

sudo make install

```
[ec2-user@ip-172-31-92-100 downloads]$ cd nagios-plugins-2.0.3
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$ ./configure --with-nagios-user=nagios --with-nagios-group=nagios
checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p... /usr/bin/mkdir -p
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking whether to disable maintainer-specific portions of Makefiles... yes
checking build system type... x86_64-unknown-linux-gnu
checking host system type... x86_64-unknown-linux-gnu
```

20. Start Nagios

Add Nagios to the list of system services

sudo chkconfig --add nagios

sudo chkconfig nagios on

```
make[1]: Leaving directory `/home/ec2-user/downloads/nagios-plugins-2.0.3'
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$ sudo chkconfig --add nagios
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$ sudo chkconfig nagios on
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$ sudo service nagios start
```

Verify the sample configuration files

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

```
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$ sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg

Nagios Core 4.0.8
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Last Modified: 08-12-2014
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Website: http://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.
        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-172-31-92-100 nagios-plugins-2.0.3]$
```

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

```
Total Warnings: 0
Total Errors:   0

Things look okay - No serious problems were detected during the pre-flight check
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$
```

sudo service nagios start

```
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$ sudo service nagios start
Starting nagios (via systemctl):                           [  OK  ]
```

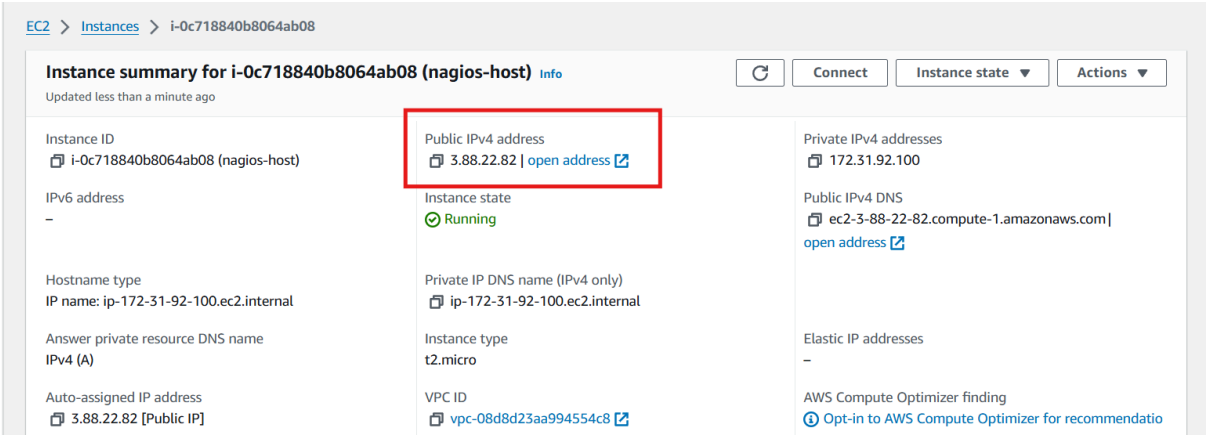
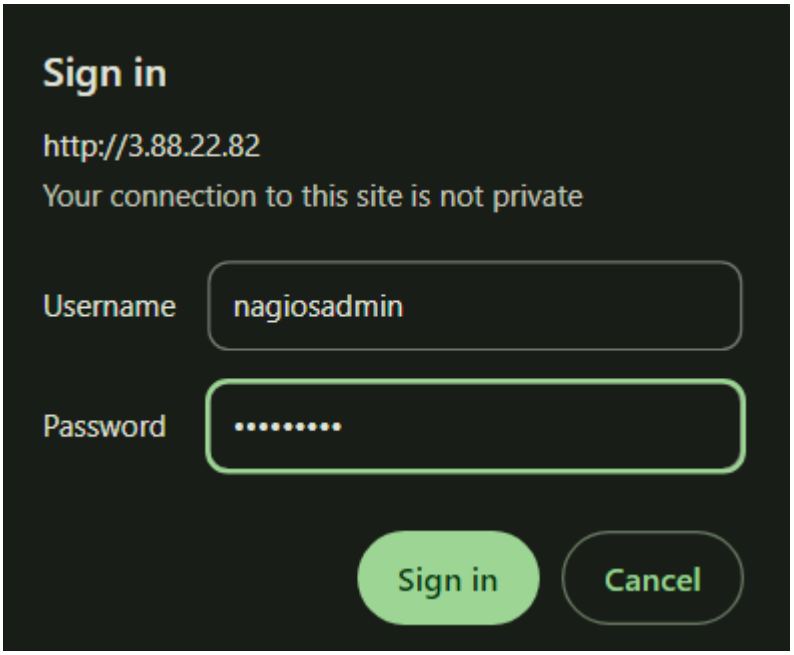
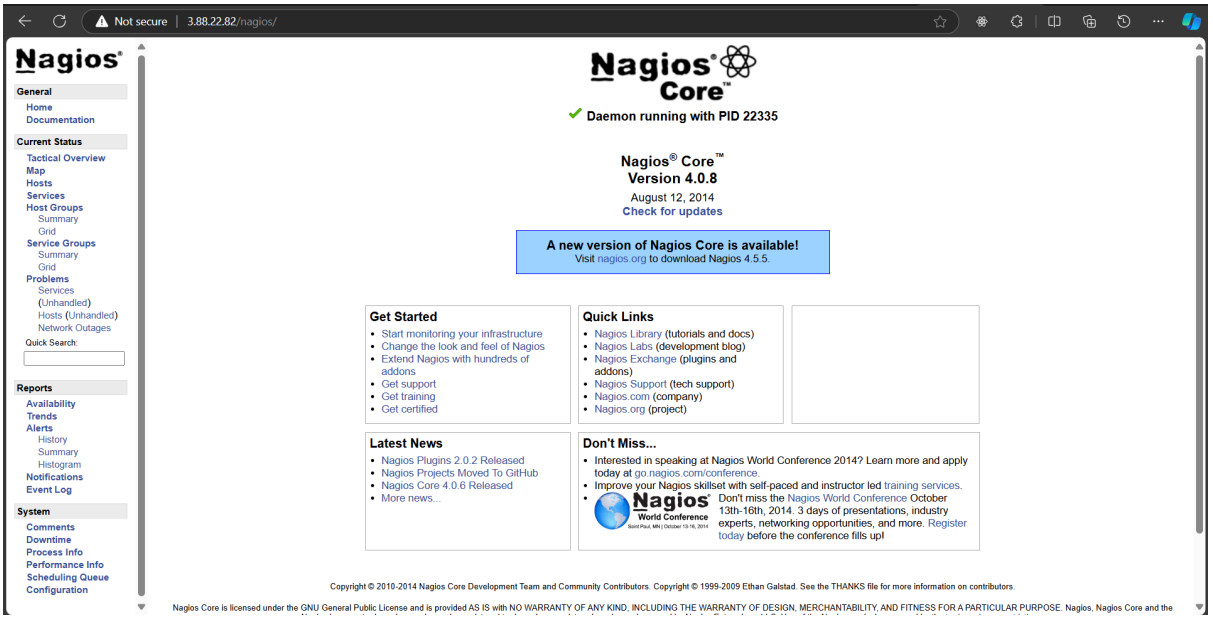
21. Check the status of Nagios

sudo systemctl status nagios

```
[ec2-user@ip-172-31-92-100 nagios-plugins-2.0.3]$ sudo systemctl status nagios
● nagios.service - LSB: Starts and stops the Nagios monitoring server
   Loaded: loaded (/etc/rc.d/init.d/nagios; bad; vendor preset: disabled)
   Active: active (running) since Sun 2024-09-29 21:06:29 UTC; 44min ago
     Docs: man:systemd-sysv-generator(8)
  Process: 22314 ExecStart=/etc/rc.d/init.d/nagios start (code=exited, status=0/SUCCESS)
   CGroup: /system.slice/nagios.service
           ├─22335 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
           ├─22337 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           ├─22338 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           ├─22339 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           ├─22340 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─22341 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg

Sep 29 21:11:21 ip-172-31-92-100.ec2.internal nagios[22335]: SERVICE ALERT: localhost;HTTP;WARNING;HARD;4;HTTP WA
Sep 29 21:11:51 ip-172-31-92-100.ec2.internal nagios[22335]: SERVICE ALERT: localhost;Swap Usage;CRITICAL;SOFT;2;
Sep 29 21:12:51 ip-172-31-92-100.ec2.internal nagios[22335]: SERVICE ALERT: localhost;Swap Usage;CRITICAL;SOFT;3;
Sep 29 21:13:51 ip-172-31-92-100.ec2.internal nagios[22335]: SERVICE ALERT: localhost;Swap Usage;CRITICAL;HARD;4;
Sep 29 21:13:51 ip-172-31-92-100.ec2.internal nagios[22335]: SERVICE NOTIFICATION: nagiosadmin;localhost;Swap Usa
Sep 29 21:13:51 ip-172-31-92-100.ec2.internal nagios[22335]: wproc: NOTIFY job 6 from worker Core Worker 22340 is
Sep 29 21:13:51 ip-172-31-92-100.ec2.internal nagios[22335]: wproc:   host=localhost; service=Swap Usage; contact
Sep 29 21:13:51 ip-172-31-92-100.ec2.internal nagios[22335]: wproc:   early_timeout=0; exited_ok=1; wait_status=3
Sep 29 21:13:51 ip-172-31-92-100.ec2.internal nagios[22335]: wproc:   stderr line 01: /bin/sh: /bin/mail: No such
Sep 29 21:13:51 ip-172-31-92-100.ec2.internal nagios[22335]: wproc:   stderr line 02: /usr/bin/printf: write erro
Hint: Some lines were ellipsized, use -l to show in full.
```

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