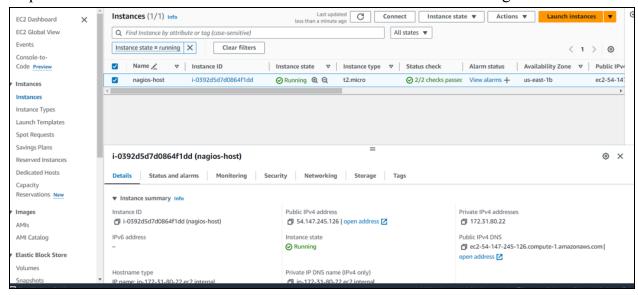
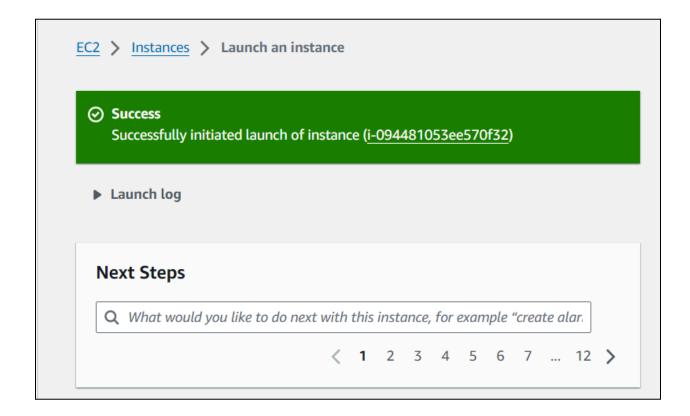
Experiment.9

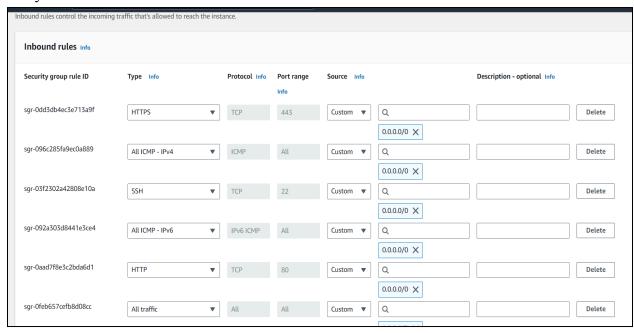
Aim: To Understand Continuous monitoring and Installation and configuration of Nagios Core, Nagios Plugins and NRPE (Nagios Remote Plugin Executor) on Linux Machine.

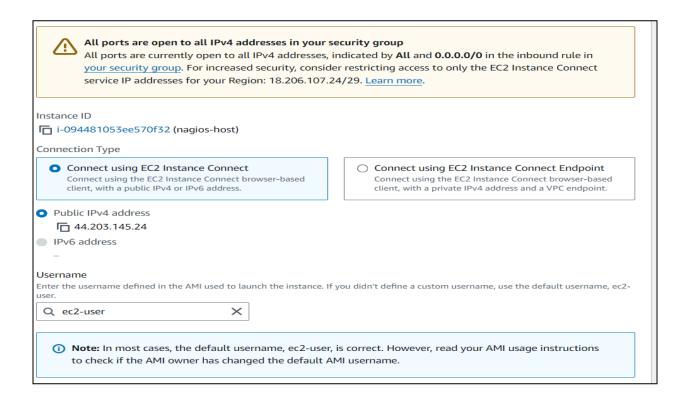
Step.1 Create an Amazon Linux EC2 Instance in AWS and name it - nagios-host





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





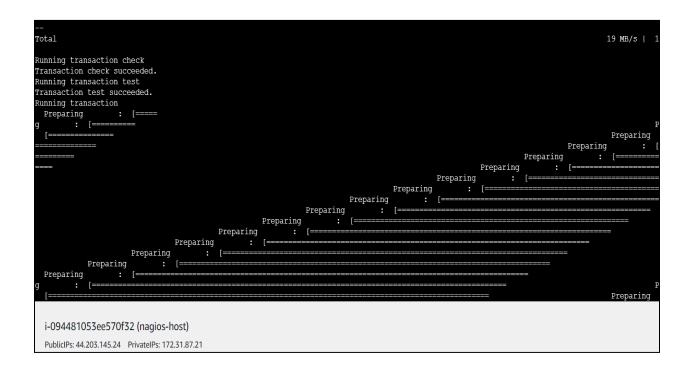
Step.3 SSH into Your EC2 instance or simply use EC2 Instance Connect from the browser.

Step.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-172-31-87-21 ~]$ sudo yum update
Last metadata expiration check: 0:10:07 ago on Tue Oct 1 08:30:38 2024.
Dependencies resolved.
Nothing to do.
Complete!
```

Shreya Sawant D15A-54

= Package	Architecture	Version	Repository
======================================			
httpd	x86_64	2.4.62-1.amzn2023	amazonlinux
php8.3	x86_64	8.3.10-1.amzn2023.0.1	amazonlinux
nstalling dependencies:			
apr	x86_64	1.7.2-2.amzn2023.0.2	amazonlinux
apr-util	x86_64	1.6.3-1.amzn2023.0.1	amazonlinux
generic-logos-httpd	noarch	18.0.0-12.amzn2023.0.3	amazonlinux
httpd-core	x86_64	2.4.62-1.amzn2023	amazonlinux
httpd-filesystem	noarch	2.4.62-1.amzn2023	amazonlinux



Installed: apr-1.7.2-2.amzn2023.0.2.x86_64	apr-util-1.6.3-1.amzn2023.0.1.x86_64	apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64		
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch	httpd-2.4.62-1.amzn2023.x86_64	httpd-core-2.4.62-1.amzn2023.x86_64		
httpd-filesystem-2.4.62-1.amzn2023.noarch	httpd-tools-2.4.62-1.amzn2023.x86_64	libbrotli-1.0.9-4.amzn2023.0.2.x86_64		
libsodium-1.0.19-4.amzn2023.x86_64	libxslt-1.1.34-5.amzn2023.0.2.x86_64	mailcap-2.1.49-3.amzn2023.0.3.noarch		
mod_http2-2.0.27-1.amzn2023.0.3.x86_64	mod_lua-2.4.62-1.amzn2023.x86_64	nginx-filesystem-1:1.24.0-1.amzn2023.0.4.noa		
php8.3-8.3.10-1.amzn2023.0.1.x86_64	php8.3-cli-8.3.10-1.amzn2023.0.1.x86_64	php8.3-common-8.3.10-1.amzn2023.0.1.x86_64		
php8.3-fpm-8.3.10-1.amzn2023.0.1.x86_64	php8.3-mbstring-8.3.10-1.amzn2023.0.1.x86_64	php8.3-opcache-8.3.10-1.amzn2023.0.1.x86_64		
php8.3-pdo-8.3.10-1.amzn2023.0.1.x86_64	php8.3-process-8.3.10-1.amzn2023.0.1.x86_64	php8.3-sodium-8.3.10-1.amzn2023.0.1.x86_64		
php8.3-xml-8.3.10-1.amzn2023.0.1.x86_64				
Complete! [ec2-user@ip-172-31-87-21 ~15 ■				

```
Verifying
                 : libxcb-devel-1.13.1-7.amzn2023.0.2.x86 64
Verifying
                 : libxml2-devel-2.10.4-1.amzn2023.0.6.x86_64
Verifying
                 : pcre2-devel-10.40-1.amzn2023.0.3.x86_64
Verifying
                : pcre2-utf16-10.40-1.amzn2023.0.3.x86 64
                : pcre2-utf32-10.40-1.amzn2023.0.3.x86_64
Verifying
Verifying
                : pixman-0.40.0-3.amzn2023.0.3.x86_64
Verifying
                 : sysprof-capture-devel-3.40.1-2.amzn2023.0.2.x86_64
Verifying
                : xml-common-0.6.3-56.amzn2023.0.2.noarch
Verifying
                : xorg-x11-proto-devel-2021.4-1.amzn2023.0.2.noarch
Verifying
                 : xz-devel-5.2.5-9.amzn2023.0.2.x86_64
Verifying
                : zlib-devel-1.2.11-33.amzn2023.0.5.x86_64
brotli-1.0.9-4.amzn2023.0.2.x86_64
                                                                                 brotli-devel-1.0.9-4.amzn2023.0.2.x86_64
bzip2-devel-1.0.8-6.amzn2023.0.2.x86_64
                                                                                 cairo-1.17.6-2.amzn2023.0.1.x86_64
```

```
libicu-devel-67.1-7.amzn2023.0.3.x86 64
                                                                                   libjpeg-turbo-2.1.4-2.amzn2023.0.5.x86 64
 libjpeg-turbo-devel-2.1.4-2.amzn2023.0.5.x86 64
                                                                                   libmount-devel-2.37.4-1.amzn2023.0.4.x86_64
 libpng-2:1.6.37-10.amzn2023.0.6.x86_64
                                                                                   libpng-devel-2:1.6.37-10.amzn2023.0.6.x86_64
 libselinux-devel-3.4-5.amzn2023.0.2.x86_64
                                                                                   libsepol-devel-3.4-3.amzn2023.0.3.x86 64
                                                                                   libtiff-devel-4.4.0-4.amzn2023.0.18.x86_64
 libtiff-4.4.0-4.amzn2023.0.18.x86_64
 libwebp-1.2.4-1.amzn2023.0.6.x86_64
                                                                                   libwebp-devel-1.2.4-1.amzn2023.0.6.x86_64
 libxcb-1.13.1-7.amzn2023.0.2.x86_64
                                                                                   libxcb-devel-1.13.1-7.amzn2023.0.2.x86_64
 libxml2-devel-2.10.4-1.amzn2023.0.6.x86_64
                                                                                   pcre2-devel-10.40-1.amzn2023.0.3.x86_64
 pcre2-utf16-10.40-1.amzn2023.0.3.x86_64
                                                                                   pcre2-utf32-10.40-1.amzn2023.0.3.x86_64
 pixman-0.40.0-3.amzn2023.0.3.x86_64
                                                                                   sysprof-capture-devel-3.40.1-2.amzn2023.0.2.x86_64
 xml-common-0.6.3-56.amzn2023.0.2.noarch
                                                                                   xorg-x11-proto-devel-2021.4-1.amzn2023.0.2.noarch
 xz-devel-5.2.5-9.amzn2023.0.2.x86_64
                                                                                   zlib-devel-1.2.11-33.amzn2023.0.5.x86_64
omplete!
[ec2-user@ip-172-31-87-21 ~]$
```

Step.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-172-31-87-21 ~]$ sudo useradd nagios
sudo passwd nagios
Changing password for user nagios.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-87-21 ~]$
```

Step.6 Create a new user group sudo groupadd nagcmd

```
[ec2-user@ip-172-31-87-21 ~]$ sudo groupadd nagcmd
[ec2-user@ip-172-31-87-21 ~]$ sudo usermod -aG nagcmd nagios
sudo usermod -aG nagcmd apache
[ec2-user@ip-172-31-87-21 ~]$ mkdir ~/downloads
cd ~/downloads
[ec2-user@ip-172-31-87-21 downloads]$ wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
wget https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
--2024-10-01 08:50:36-- 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:fef7:45ce
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
nagios-4.4.6.tar.gz
                                          68 [====>
                                                                                                                                751.62K 3.56MB/s
                                                                                                                                  3.45M 8.18MB/s
nagios-4.4.6.tar.gz
                                          31%[=
nagios-4.4.6.tar.gz
                                          56%[
                                                                                                                                  6.09M 9.73MB/s
nagios-4.4.6.tar.gz
                                          79%[:
                                                                                                                                  8.63M 10.4MB/s
nagios-4.4.6.tar.gz
                                                                                                                              =>] 10.81M 10.9MB/s
2024-10-01 08:50:37 (10.9 MB/s) - 'nagios-4.4.6.tar.gz' saved [11333414/11333414]
 -2024-10-01 08:50:37-- https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.g
```

Step.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

Step.8 Use wget to download the source zip files. wget http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz

```
2024-10-01 08:50:38 (7.06 MB/s) - 'nagios-plugins-2.3.3.tar.gz' saved [2782610/2782610]
[ec2-user@ip-172-31-87-21 downloads]$ tar zxvf nagios-4.4.6.tar.gz
cd nagios-4.4.6
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/LEGAL
nagios-4.4.6/LICENSE
nagios-4.4.6/Makefile.in
nagios-4.4.6/README.md
nagios-4.4.6/THANKS
nagios-4.4.6/UPGRADING
nagios-4.4.6/aclocal.m4
nagios-4.4.6/autoconf-macros/
nagios-4.4.6/autoconf-macros/.gitignore
nagios-4.4.6/autoconf-macros/CHANGELOG.md
nagios-4.4.6/autoconf-macros/LICENSE
nagios-4.4.6/autoconf-macros/LICENSE.md
nagios-4.4.6/autoconf-macros/README.md
nagios-4.4.6/autoconf-macros/add_group_user
nagios-4.4.6/autoconf-macros/ax nagios get distrib
```

```
nagios-4.4.6/tap/tests/todo/Makefile.in
nagios 4.4.6/tap/tests/todo/Hakeiii
nagios-4.4.6/tap/tests/todo/test.c
nagios-4.4.6/tap/tests/todo/test.pl
nagios-4.4.6/tap/tests/todo/test.t
nagios-4.4.6/test/
nagios-4.4.6/test/test-downtime.pl
nagios-4.4.6/update-version
nagios-4.4.6/worker/
nagios-4.4.6/worker/Makefile.in
nagios-4.4.6/worker/ping/
nagios-4.4.6/worker/ping/.gitignore
nagios-4.4.6/worker/ping/Makefile.in
nagios-4.4.6/worker/ping/worker-ping.c
nagios-4.4.6/xdata/
nagios-4.4.6/xdata/.gitignore
nagios-4.4.6/xdata/Makefile.in
nagios-4.4.6/xdata/xcddefault.c
nagios-4.4.6/xdata/xcddefault.h
nagios-4.4.6/xdata/xodtemplate.c
nagios-4.4.6/xdata/xodtemplate.h
nagios-4.4.6/xdata/xpddefault.c
nagios-4.4.6/xdata/xpddefault.h
nagios-4.4.6/xdata/xrddefault.c
nagios-4.4.6/xdata/xrddefault.h
nagios-4.4.6/xdata/xsddefault.c
nagios-4.4.6/xdata/xsddefault.h
[ec2-user@ip-172-31-87-21 nagios-4.4.6]$ 🗍
```

Step.9 Run the configuration script with the same group name you previously created. ./configure --with-command-group=nagcmd

```
[ec2-user@ip-172-31-87-21 nagios-4.4.6]$ ./configure --with-command-group=nagcmd
checking for a BSD-compatible install... /usr/bin/install -c
checking build system type... x86 64-pc-linux-gnu
checking host system type... x86 64-pc-linux-gnu
checking for gcc... gcc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
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 whether ln -s works... yes
checking for strip... /usr/bin/strip
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for ANSI C header files... yes
checking whether time.h and sys/time.h may both be included... yes
checking for sys/wait.h that is POSIX.1 compatible... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
```

```
General Options:
       Nagios executable:
                            nagios
       Nagios user/group:
                            nagios, nagios
       Command user/group:
                            nagios, nagcmd
             Event Broker:
                            yes
        Install ${prefix}:
                            /usr/local/nagios
                            /usr/local/nagios/include/nagios
    Install ${includedir}:
                Lock file:
                            /run/nagios.lock
   Check result directory:
                            /usr/local/nagios/var/spool/checkresults
           Init directory:
                            /lib/systemd/system
 Apache conf.d directory:
                            /etc/httpd/conf.d
                            /bin/mail
             Mail program:
                  Host OS:
                            linux-gnu
          IOBroker Method:
                            epol1
 Web Interface Options:
                 HTML URL:
                            http://localhost/nagios/
                  CGI URL:
                            http://localhost/nagios/cgi-bin/
 Traceroute (used by WAP):
                            /usr/bin/traceroute
Review the options above for accuracy. If they look okay,
type 'make all' to compile the main program and CGIs.
[ec2-user@ip-172-31-87-21 nagios-4.4.6]$
```

Step.10 Compile the source code. make all

```
[ec2-user@ip-172-31-87-21 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 -02 -DHAVE_CONFIG_H -DNSCORE -c -o broker.o broker.c
gcc -Wall -I.. -g -02 -DHAVE_CONFIG_H -DNSCORE -c -o nebmods.o nebmods.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=]
                              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 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 -02 -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=]
                     snprintf(port_str, sizeof(port_str), "%d", port);
```

Step.11 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

```
[ec2-user@ip-172-31-87-21 nagios-4.4.6]$ sudo make install
sudo make install-init
sudo make install-config
sudo make install-commandmode
cd ./base && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/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 nagiostats /usr/local/nagios/bin
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.6/base'
cd ./cgi && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/cgi'
make install-basic
make[2]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/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 '/home/ec2-user/downloads/nagios-4.4.6/cgi'
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.6/cgi'
cd ./html && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.6/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 755 -d -o root -g root /lib/systemd/system
 /usr/bin/install -c -m 755 -o root -g root startup/default-service /lib/systemd/syst
/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/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/cgi.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios -d /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios -d /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios -d /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios -d /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios -d /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios -d /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nagios -d /usr/local/nusr/bin/install -c -b -m 660 -o nagios -g nag
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/temp
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/comm
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/cont
/usr/bin/install -c -b -m 664 -o nagios -q nagios sample-config/template-object/time
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/loca
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/wind
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/print
/usr/bin/install -c -b -m 664 -o nagios -q nagios sample-config/template-object/switc
*** 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 ***
      c2_userdin_172_31_97_21 nagios_4 / 615
```

Step.12 Edit the config file and change the email address. sudo nano /usr/local/nagios/etc/objects/contacts.cfg

Step.13 Configure the web interface.

sudo make install-webconf

Step.14 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-172-31-87-21 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-172-31-87-21 nagios-4.4.6]$
```

Step.15 Restart Apache sudo service httpd restart

Go back to the downloads folder and unzip the plugins zip file. cd ~/downloads

tar zxvf nagios-plugins-2.0.3.tar.gz

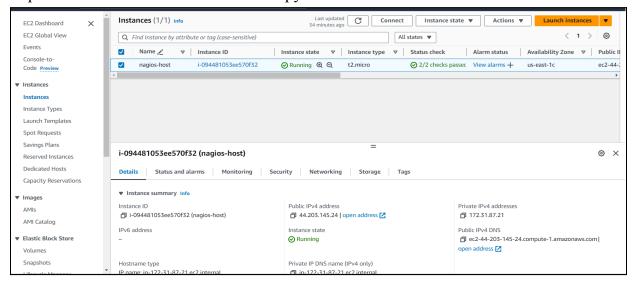
```
[ec2-user@ip-172-31-87-21 nagios-4.4.6]$ sudo systemctl restart httpd
[ec2-user@ip-172-31-87-21 nagios-4.4.6]$ cd ~/downloads
tar zxvf nagios-plugins-2.3.3.tar.gz
cd nagios-plugins-2.3.3
nagios-plugins-2.3.3/
nagios-plugins-2.3.3/perlmods/
nagios-plugins-2.3.3/perlmods/Config-Tiny-2.14.tar.gz
nagios-plugins-2.3.3/perlmods/parent-0.226.tar.gz
nagios-plugins-2.3.3/perlmods/Test-Simple-0.98.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile.in
nagios-plugins-2.3.3/perlmods/version-0.9903.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile.am
nagios-plugins-2.3.3/perlmods/Module-Runtime-0.013.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Metadata-1.000014.tar.gz
nagios-plugins-2.3.3/perlmods/Params-Validate-1.08.tar.gz
nagios-plugins-2.3.3/perlmods/Class-Accessor-0.34.tar.gz
nagios-plugins-2.3.3/perlmods/Try-Tiny-0.18.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Implementation-0.07.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile
nagios-plugins-2.3.3/perlmods/Perl-OSType-1.003.tar.gz
nagios-plugins-2.3.3/perlmods/install_order
nagios-plugins-2.3.3/perlmods/Nagios-Plugin-0.36.tar.gz
nagios-plugins-2.3.3/perlmods/Math-Calc-Units-1.07.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Build-0.4007.tar.gz
nagios-plugins-2.3.3/ABOUT-NLS
nagios-plugins-2.3.3/configure.ac
nagios-plugins-2.3.3/Makefile.in
nagios-plugins-2.3.3/config.h.in
nagios-plugins-2.3.3/ChangeLog
nagios-plugins-2.3.3/AUTHORS
nagios-plugins-2.3.3/lib/
nagios-plugins-2.3.3/lib/parse ini.h
```

```
nagios-plugins-2.3.3/plugins-scripts/Makefile.in
nagios-plugins-2.3.3/plugins-scripts/check ifoperstatus.pl
nagios-plugins-2.3.3/plugins-scripts/Makefile.am
nagios-plugins-2.3.3/plugins-scripts/check_breeze.pl
nagios-plugins-2.3.3/plugins-scripts/check_log.sh
nagios-plugins-2.3.3/plugins-scripts/check_ssl_validity.pl
nagios-plugins-2.3.3/plugins-scripts/check flexlm.pl
nagios-plugins-2.3.3/plugins-scripts/check rpc.pl
nagios-plugins-2.3.3/plugins-scripts/check_oracle.sh
nagios-plugins-2.3.3/plugins-scripts/utils.pm.in
nagios-plugins-2.3.3/plugins-scripts/check_disk_smb.pl
nagios-plugins-2.3.3/plugins-scripts/t/
nagios-plugins-2.3.3/plugins-scripts/t/check ifoperstatus.t
nagios-plugins-2.3.3/plugins-scripts/t/check_rpc.t
nagios-plugins-2.3.3/plugins-scripts/t/check_file_age.t
nagios-plugins-2.3.3/plugins-scripts/t/check_disk_smb.t
nagios-plugins-2.3.3/plugins-scripts/t/check ifstatus.t
nagios-plugins-2.3.3/plugins-scripts/t/utils.t
nagios-plugins-2.3.3/plugins-scripts/check_mailq.pl
nagios-plugins-2.3.3/plugins-scripts/check_wave.pl
nagios-plugins-2.3.3/plugins-scripts/check_ircd.pl
nagios-plugins-2.3.3/plugins-scripts/utils.sh.in
nagios-plugins-2.3.3/plugins-scripts/check ifstatus.pl
nagios-plugins-2.3.3/plugins-scripts/check sensors.sh
nagios-plugins-2.3.3/pkg/
nagios-plugins-2.3.3/pkg/fedora/
nagios-plugins-2.3.3/pkg/fedora/requires
nagios-plugins-2.3.3/pkg/solaris/
nagios-plugins-2.3.3/pkg/solaris/preinstall
nagios-plugins-2.3.3/pkg/solaris/solpkg
nagios-plugins-2.3.3/pkg/solaris/pkginfo.in
nagios-plugins-2.3.3/pkg/solaris/pkginfo
nagios-plugins-2.3.3/pkg/redhat/
nagios-plugins-2.3.3/pkg/redhat/requires
[ec2-user@ip-172-31-87-21 nagios-plugins-2.3.3]$
```

```
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-172-31-87-21 nagios-plugins-2.3.3]$ ■
```

```
Checking misc settings...
                                                                                                                                                              Search anything on thi
Total Warnings: 0
Total Errors: 0
Things look okay - No serious problems were detected during the pre-flight check
[ec2-user@ip-172-31-87-21 nagios-plugins-2.3.3]$ 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 Tue 2024-10-01 09:04:30 UTC; 41s ago Docs: https://www.nagios.org/documentation
     Process: 69042 ExecStartPre=/usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
     Process: 69043 ExecStart=/usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
   Main PID: 69044 (nagios)
       Tasks: 6 (limit: 1112)
      Memory: 2.1M
         CPU: 21ms
      CGroup: /system.slice/nagios.service
                 -69048 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-69047 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-69048 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-69049 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal magios[69044]: qh: Socket '/usr/local/magios/var/rw/magios.qh' successfully initialized
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: qh: core query handler registered
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: qh: echo service query handler registered
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: qh: help for the query handler registered
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: wproc: Successfully registered manager as @wproc with query handler Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: wproc: Registry request: name=Core Worker 69047;pid=69047
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: wproc: Registry request: name=Core Worker 69048:pid=69048
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: wproc: Registry request: name=Core Worker 69046;pid=69046
Oct 01 09:04:30 ip-172-31-87-21.ec2.internal nagios[69044]: wproc: Registry request: name=Core Worker 69045;pid=69045
```

Step.16 Go back to EC2 Console and copy the Public IP address of this instance



Step.17 Open up your browser and look for http://<your public ip address>/nagios

