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

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Theory:

What is Nagios?

Nagios is an open-source software for continuous monitoring of systems, networks, and infrastructures. It runs plugins stored on a server that is connected with a host or another server on your network or the Internet. In case of any failure, Nagios alerts about the issues so that the technical team can perform the recovery process immediately.

Nagios is used for continuous monitoring of systems, applications, service and business processes in a DevOps culture.

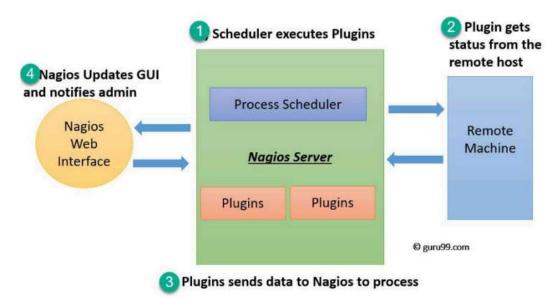
Why We Need Nagios tool?

Here are the important reasons to use Nagios monitoring tool:

- Detects all types of network or server issues
- Helps you to find the root cause of the problem which allows you to get the permanent solution to the Problem
- Active monitoring of your entire infrastructure and business processes
- Allows you to monitor and troubleshoot server performance issues
- Helps you to plan for infrastructure upgrades before outdated systems create failures
- You can maintain the security and availability of the service
- Automatically fix problems in a panic situation Features of Nagios Following are the important features of Nagios monitoring tool:
- Relatively scalable, Manageable, and Secure
- Good log and database system
- Informative and attractive web interfaces
- Automatically send alerts if condition changes
- If the services are running fine, then there is no need to do check that host is an alive
- Helps you to detect network errors or server crashes
- You can troubleshoot the performance issues of the server.
- The issues, if any, can be fixed automatically as they are identified during the monitoring process
- You can monitor the entire business process and IT infrastructure with a single pass
- The product's architecture is easy to write new plugins in the language of your choice
- Nagios allows you to read its configuration from an entire directory which helps you to decide how to define individual files
- Utilises topology to determine dependencies
- Monitor network services like HTTP, SMTP, HTTP, SNMP, FTP, SSH, POP, etc.
- Helps you to define network host hierarchy using parent hosts
- Ability to define event handlers that runs during service or host events for proactive problem resolution
- Support for implementing redundant monitoring hosts

Nagios Architecture:

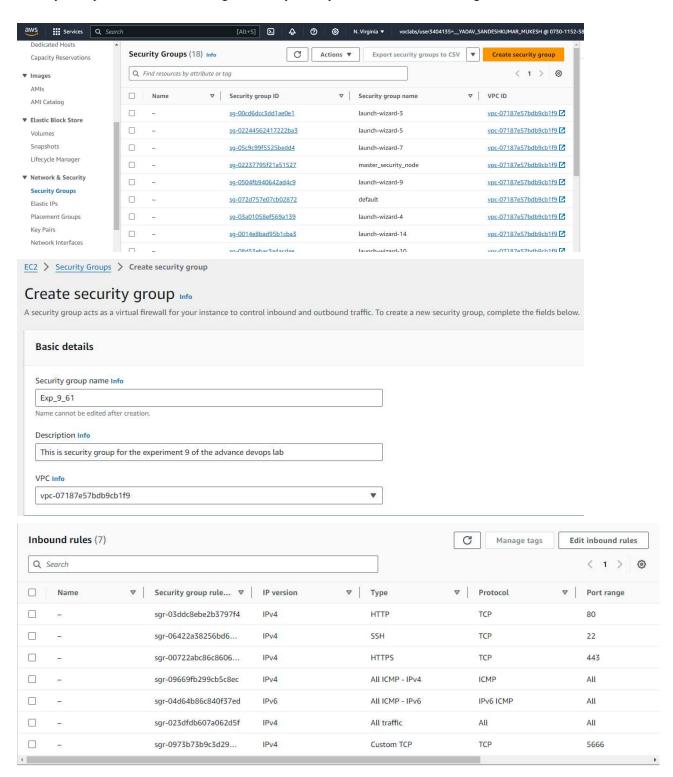
Nagios is a client-server architecture. Usually, on a network, a Nagios server is running on a host, and plugins are running on all the remote hosts which should be monitored.



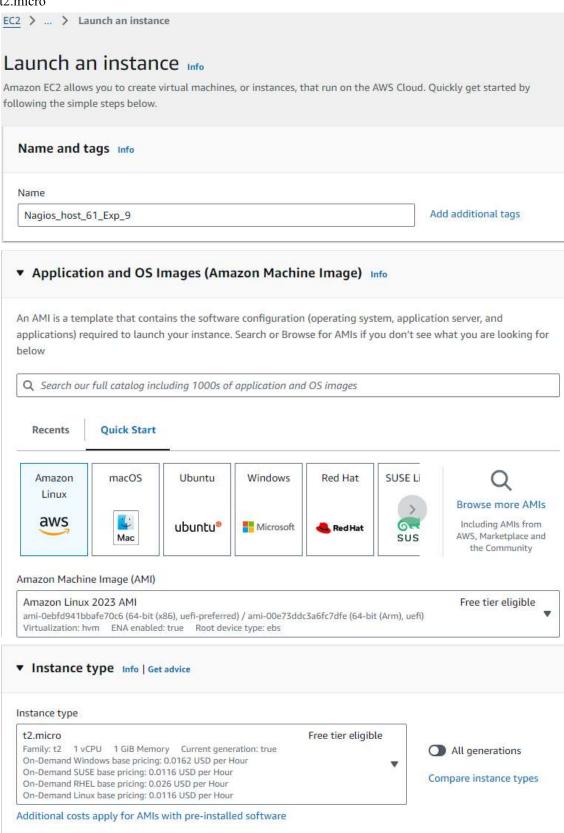
- 1. The scheduler is a component of the server part of Nagios. It sends a signal to execute the plugins at the remote host.
- 2. The plugin gets the status from the remote host
- 3. The plugin sends the data to the process scheduler
- 4. The process scheduler updates the GUI and notifications are sent to admins.

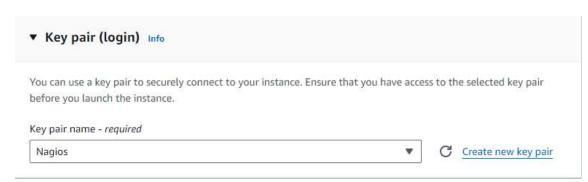
Steps:

Step 1: Login to your AWS account Personal / Academy. Click on EC2 instance then click on Create Security Group. Give the name as Nagios and any description and add the following inbounds rules.

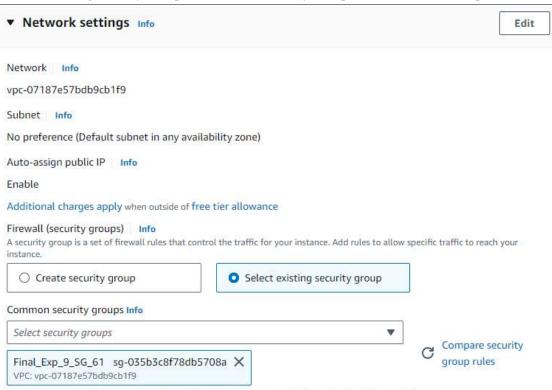


Step 2: Now Create a new EC2 instance. Name: Nagios-host ,AMI: Amazon Linux, Instance Type: t2.micro



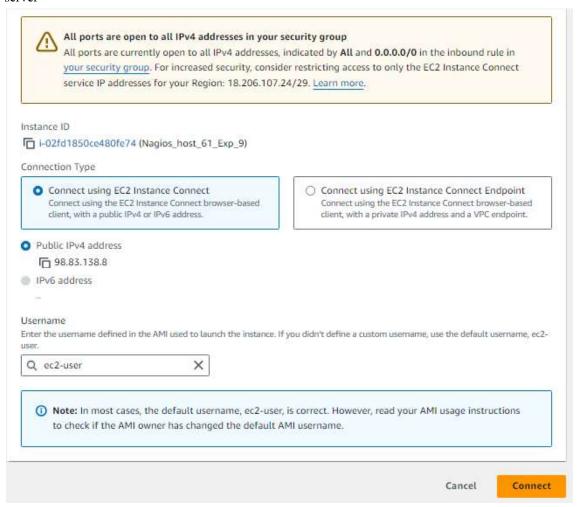


Select the Existing Security Group and select the Security Group we have created in Step 1.



Security groups that you add or remove here will be added to or removed from all your network interfaces.

Step 3: Now After creating the EC2 Instance click on connect and scroll down and connect on web server



Step 4: Now Run the following command to make a new user. sudo adduser -m nagios

sudo passwd nagios

Step 5: Now Run the following command to make a new user group.

sudo groupadd nagemd

sudo usermod -a -G nagemd nagios

sudo usermod -a -G nagcmd apache

```
[root@ip-172-31-41-153 ec2-user]# sudo groupadd nagcmd
[root@ip-172-31-41-153 ec2-user]# sudo usermod -a -G nagcmd nagios
[root@ip-172-31-41-153 ec2-user]# sudo usermod -a -G nagcmd apache
usermod: user 'apache' does not exist
[root@ip-172-31-41-153 ec2-user]#
```

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It looks like the user apache doesn't exist on your Amazon Linux machine. On Amazon Linux, the web server user is typically called apache (for the Apache HTTP Server)

Install Apache (if not installed): If you confirm that Apache is not installed, you can install it with: sudo yum install httpd

Then, start the Apache service: sudo systemetl start httpd sudo systemetl enable httpd

Add the nagios and apache users to the nagcmd group: If the Apache user is confirmed, you can add it to the group as you intended:

sudo usermod -a -G nagcmd nagios sudo usermod -a -G nagcmd apache

Step 6: Now make a new directory and go to that directory.

mkdir ~/downloads

cd ~/downloads

```
[root@ip-172-31-41-153 ec2-user]# mkdir ~/downloads
[root@ip-172-31-41-153 ec2-user]# cd ~/downloads
[root@ip-172-31-41-153 downloads]#
```

Step 7: Now to download the Nagios 4.5.5 and Nagios-plugins 2.4.11 run the following commands respectively.

wget https://go.nagios.org/l/975333/2024-09-17/6kqcx

wget https://nagios-plugins.org/download/nagios-plugins-2.4.11.tar.gz

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Step 8: Now to extract the files from the downloaded Nagios 4.5.5 run the following command. **tar zxvf 6kqcx** (Replace 6kqcx with your saved file name of Nagios 4.5.5 refer above screenshot(1st))

```
[root@ip-172-31-41-153 downloads]# tar zxvf 6kqcx
nagios-4.5.5/
nagios-4.5.5/.github/
nagios-4.5.5/.github/workflows/
nagios-4.5.5/.github/workflows/test.yml
nagios-4.5.5/.gitignore
nagios-4.5.5/CONTRIBUTING.md
nagios-4.5.5/Changelog
nagios-4.5.5/INSTALLING
nagios-4.5.5/LEGAL
nagios-4.5.5/LICENSE
nagios-4.5.5/Makefile.in
nagios-4.5.5/README.md
nagios-4.5.5/xdata/Makefile.in
nagios-4.5.5/xdata/xcddefault.c
nagios-4.5.5/xdata/xcddefault.h
nagios-4.5.5/xdata/xodtemplate.c
nagios-4.5.5/xdata/xodtemplate.h
nagios-4.5.5/xdata/xpddefault.c
nagios-4.5.5/xdata/xpddefault.h
nagios-4.5.5/xdata/xrddefault.c
nagios-4.5.5/xdata/xrddefault.h
nagios-4.5.5/xdata/xsddefault.c
nagios-4.5.5/xdata/xsddefault.h
[root@ip-172-31-41-153 downloads]#
```

Step 9: Now change the directory to nagios-4.5.5

```
[root@ip-172-31-41-153 downloads] # cd nagios-4.5.5
[root@ip-172-31-41-153 nagios-4.5.5] # []
```

Step 10: Now run the following command to configure.

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

```
[root@ip-172-31-41-153 downloads] # cd nagios-4.5.5
[root@ip-172-31-41-153 nagios-4.5.5] # ./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... no checking for cc... no checking for cc... no checking for cl.exe... no checking for clang... no configure: error: in '/root/downloads/nagios-4.5.5': configure: error: no acceptable C compiler found in $PATH See 'config.log' for more details
```

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The error you're encountering indicates that there is no C compiler installed on your system. The ./configure script is trying to find a C compiler (such as gcc or clang) but is failing because none is available.

To resolve this, you need to install a C compiler. You can install gcc, the GNU Compiler Collection, by running the following command on your Amazon Linux machine:

sudo yum groupinstall "Development Tools"

Now rerun the command ./configure --with-command-group=nagcmd

At the end we have found the error of cannot find ssl header

```
checking for Kerberos include files... configure: WARNING: could not find include files checking for pkg-config... pkg-config checking for SSL headers... configure: error: Cannot find ssl headers [root@ip-172-31-41-153 nagios-4.5.5]#
```

So run following command to install ssl. sudo yum install openssl-devel

[root@ip-172-31-41-153 nagios-4.5.5] # sudo yum install openssl-devel Last metadata expiration check: 0:15:35 ago on Wed Oct 2 09:43:20 2024. Dependencies resolved.				
Package	Architecture	Version	Repository	Size
Installing: openssl-devel	x86_64	1:3.0.8-1.amzn2023.0.14	amazonlinux	3.0 M
Transaction Summary				
Install 1 Package Total download size: 3.0 Installed size: 4.7 M Is this ok [y/N]: y	м			
Downloading Packages: openssl-devel-3.0.8-1.amzn2023.0.14.x86_64.rpm			28 MB/s 3.0 MB	00:00
Total			18 MB/s 3.0 MB	00:00

Now rerun the command ./configure --with-command-group=nagcmd

```
[root@ip-172-31-41-153 nagios-4.5.5] # ./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 the compiler supports GNU C... yes checking whether gcc accepts -g... yes checking for gcc option to enable C11 features... none needed
checking whether make sets $(MAKE)... yes
checking whether ln -s works... yes
checking for strip... /usr/bin/strip
checking for sys/wait.h that is POSIX.1 compatible... yes
checking for stdio.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for inttypes.h... yes
checking for stdint.h... yes
checking for strings.h... yes
checking for sys/stat.h... yes
checking for sys/types.h... yes
checking for unistd.h... yes
checking for arpa/inet.h... yes
checking for ctype.h... yes
checking for dirent.h... yes
```

```
*** Configuration summary for nagios 4.5.5 2024-09-17 ***:
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/
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.
[root@ip-172-31-41-153 nagios-4.5.5]#
```

Step 11: Now run the following commands to steup the Nagios. sudo make install

Before that run make all to compile main program and CGIs

```
- 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.
[root@ip-172-31-41-153 nagios-4.5.5]#
```

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```
[root@ip-172-31-41-153 nagios-4.5.5]# sudo make install
cd ./base && make install
make[1]: Entering directory '/root/downloads/nagios-4.5.5/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 '/root/downloads/nagios-4.5.5/base'
cd ./cgi && make install
make[1]: Entering directory '/root/downloads/nagios-4.5.5/cgi'
make install-basic
make[2]: Entering directory '/root/downloads/nagios-4.5.5/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 '/root/downloads/nagios-4.5.5/cgi'
```

sudo make install-init

```
[root@ip-172-31-41-153 nagios-4.5.5] # 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
[root@ip-172-31-41-153 nagios-4.5.5];
```

sudo make install-config

```
[root&ip-172-31-41-153 najos-4.5.5] sudo make install-config
/usr/bin/install -c = m 775 -o nagios -g nagios -d /usr/local/nagios/etc/objects
/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/commands.cfg /usr/local/nagios/etc/objects/commands.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/commands.cfg /usr/local/nagios/etc/objects/contacts.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/contacts.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/timeperiods.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/printer.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/winter.cfg /usr/local/nagios/etc/objects/printer.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/printer.cfg /usr/local/nagios/etc/objects/printer.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/switth.cfg /usr/local/nagios/etc/objects/printer.cfg
           ** Config files installed ***
             emember, these are "SAMPLE" config files. You'll need to read
ne documentation for more information on how to actually define
prvices, hosts, etc. to fit your particular needs.
         root@ip-172-31-41-153 nagios-4.5.5]#
```

sudo make install-webconf

The error you're seeing indicates that the directory /etc/httpd/conf.d/ does not exist, which means that Apache HTTP Server (httpd) might not be installed on your system.

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```
[root@ip-172-31-41-153 nagios-4.5.5] # sudo make install-webconf
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf
/usr/bin/install: cannot create regular file '/etc/httpd/conf.d/nagios.conf': No such file or directory
make: *** [Makefile:351: install-webconf] Error 1
[root@ip-172-31-41-153 nagios-4.5.5] #
```

To resolve this, follow these steps: sudo yum install httpd sudo mkdir -p /etc/httpd/conf.d sudo make install-webconf sudo systemctl start httpd sudo systemctl enable httpd

```
[root@ip-172-31-41-153 nagios-4.5.5] # sudo yum install httpd
Last metadata expiration check: 0:25:04 ago on Wed Oct 2 09:43:20 2024.
Dependencies resolved.
 Package
                                         Architecture
                                                                    Version
Installing:
                                         x86 64
                                                                    2.4.62-1.amzn2023
httpd
Installing dependencies:
 generic-logos-httpd
                                         noarch
                                                                    18.0.0-12.amzn2023.0.3
                                                                    2.4.62-1.amzn2023
 httpd-core
                                         x86 64
                                         noarch
 httpd-filesystem
                                                                    2.4.62-1.amzn2023
 httpd-tools
                                         x86 64
                                                                    2.4.62-1.amzn2023
mailcap
                                                                    2.1.49-3.amzn2023.0.3
                                         noarch
Installing weak dependencies:
 mod http2
                                         x86 64
                                                                    2.0.27-1.amzn2023.0.3
 mod lua
                                         x86 64
                                                                    2.4.62-1.amzn2023
Transaction Summary
Install 8 Packages
```

Now sudo make install-webconf Has been successfully run

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

```
[root@ip-172-31-41-153 nagios-4.5.5] # sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[root@ip-172-31-41-153 nagios-4.5.5] #
```

Now to restart the httpd service run the following command. sudo service httpd restart

```
[root@ip-172-31-41-153 nagios-4.5.5]# sudo service httpd restart Redirecting to /bin/systemctl restart httpd.service [root@ip-172-31-41-153 nagios-4.5.5]#
```

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Step 12: Now to extract the files from the downloaded Nagios plugin 2.4.11 run the following command

first change the directory.

cd ~/downloads

tar zxvf nagios-plugins-2.4.11.tar.gz

```
[root@ip-172-31-41-153 nagios-4.5.5] # cd ~/downloads
[root@ip-172-31-41-153 downloads] # tar zxvf nagios-plugins-2.4.11.tar.gz
nagios-plugins-2.4.11/
nagios-plugins-2.4.11/build-aux/
nagios-plugins-2.4.11/build-aux/compile
nagios-plugins-2.4.11/build-aux/config.guess
nagios-plugins-2.4.11/build-aux/config.rpath
nagios-plugins-2.4.11/build-aux/config.sub
nagios-plugins-2.4.11/build-aux/install-sh
nagios-plugins-2.4.11/build-aux/ltmain.sh
nagios-plugins-2.4.11/build-aux/missing
nagios-plugins-2.4.11/build-aux/mkinstalldirs
nagios-plugins-2.4.11/build-aux/depcomp
nagios-plugins-2.4.11/build-aux/snippet/
nagios-plugins-2.4.11/build-aux/snippet/_Noreturn.h
nagios-plugins-2.4.11/build-aux/snippet/arg-nonnull.h
nagios-plugins-2.4.11/build-aux/snippet/c++defs.h
nagios-plugins-2.4.11/build-aux/snippet/warn-on-use.h
nagios-plugins-2.4.11/build-aux/test-driver
nagios-plugins-2.4.11/config test/
nagios-plugins-2.4.11/config_test/Makefile
nagios-plugins-2.4.11/config_test/run_tests
nagios-plugins-2.4.11/config_test/child_test.c
nagios-plugins-2.4.11/gl/
nagios-plugins-2.4.11/gl/m4/
nagios-plugins-2.4.11/gl/m4/00gnulib.m4
nagios-plugins-2.4.11/gl/m4/absolute-header.m4
nagios-plugins-2.4.11/gl/m4/alloca.m4
nagios-plugins-2.4.11/gl/m4/arpa inet h.m4
nagios-plugins-2.4.11/gl/m4/base64.m4
nagios-plugins-2.4.11/gl/m4/btowc.m4
```

Step 13: Now change the directory to nagios-plugins-2.4.11 and run the config command to configure. cd nagios-plugins-2.4.11

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

```
config.status: creating po/Makefile.in
config.status: creating config.h
config.status: config.h is unchanged
config.status: executing depfiles commands
config.status: executing libtool commands
config.status: executing po-directories commands
config.status: creating po/POTFILES
config.status: creating po/Makefile
[root@ip-172-31-41-153 nagios-plugins-2.4.11]#
```

Step 14: Run the following commands to check nagios and start it. sudo chkconfig --add nagios

sudo chkconfig nagios on

```
[root@ip-172-31-41-153 nagios-plugins-2.4.11]  # sudo chkconfig --add nagios
error reading information on service nagios: No such file or directory
[root@ip-172-31-41-153 nagios-plugins-2.4.11]  # sudo chkconfig nagios on
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.
[root@ip-172-31-41-153 nagios-plugins-2.4.11]  # sudo chkconfig --add nagios
error reading information on service nagios: No such file or directory
[root@ip-172-31-41-153 nagios-plugins-2.4.11]  # □
```

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

```
[root@ip-172-31-41-153 nagios-plugins-2.4.11] sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
Copyright (c) 2009-present Nagios Core Development Team and Community Contributors
Copyright (c) 1999-2009 Ethan Galstad
Last Modified: 2024-09-17
License: GPL
Website: https://www.nagios.org
Reading configuration data...
  Read main config file okay...
Read object config files okay...
 unning pre-flight check on configuration data
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:
Things look okay - No serious problems were detected during the pre-flight check
[root@ip-172-31-41-153 nagios-plugins-2.4.11]#
```

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cd

sudo service nagios start

```
[root@ip-172-31-41-153 nagios-plugins-2.4.11]# cd
[root@ip-172-31-41-153 ~]# sudo service nagios start
Redirecting to /bin/systemctl start nagios.service
[root@ip-172-31-41-153 ~]#
```

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

```
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
[root@ip-172-31-41-153 ~]#
```

Div: D15C

sudo systemetl status nagios

```
* naglos.service - Naglos Coze 4.5.5

Loaded: loaded (/ugr/Lib/aypteud/aystem/ugiga_spryice; enabled; preset: disabled)
Active: active (running) since Wed 2024-10-02 10:23:28 UTC; 2min 14s ago

Docs: https://www.nagica.org/documentation

Main FID: 55480 (nagics)

Tasks: 6 (limit: 1112)

Memory: 5.5M

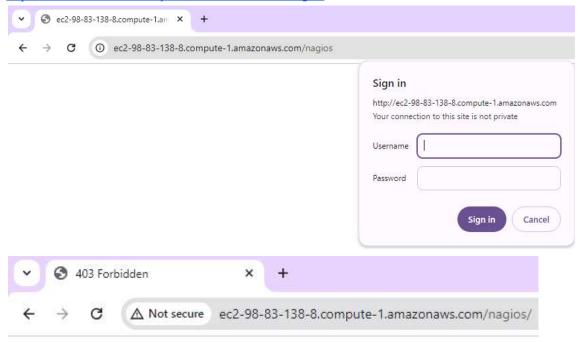
CBU: 109mm

CGroup: /aystem.slice/nagios/service
| 55480 /usr/local/nagios/bin/nagios - worker /usr/local/nagios/var/zw/nagios.qh
| 55481 /usr/local/nagios/bin/nagios - worker /usr/local/nagios/var/zw/nagios.qh
| 55482 /usr/local/nagios/bin/nagios - worker /usr/local/nagios/var/zw/nagios.qh
| 55483 /usr/local/nagios/bin/nagios - worker /usr/local/nagios/var/zw/nagios.qh
| 55485 /usr/local/nagios/bin/nagios - worker /usr/local/nagios/var/zw/nagi
```

Step 15: We can see we have successfully launched the Nagios now . Open http://<instance public ip >/nagios/ here it is http://52.23.153.85/nagios we can see the running web page of nagios

Or else

http://ec2-52-23-153-85.compute-1.amazonaws.com/nagios



Forbidden

You don't have permission to access this resource.

Name: Sandeshkumar.M.Yadav Div: D15C Roll: 61

Step 16:

1. Check Apache Configuration

Make sure that Apache is configured to allow access to the Nagios web interface.

Open the Nagios configuration file for Apache, typically found at /etc/httpd/conf.d/nagios.conf or a similar location.

sudo nano /etc/httpd/conf.d/nagios.conf

Look for the section that defines access controls. It might look something like this:

<Directory "/usr/local/nagios/share">

Options None

AllowOverride None

Require all granted

</Directory>

Ensure that the Require all granted directive is present. If it's set to Require all denied, change it to Require all granted.

2. Check Directory Permissions

Ensure that the Apache user (apache or www-data depending on your distribution) has the correct permissions to access the Nagios web directory.

sudo chown -R apache:apache/usr/local/nagios/share

3.SELinux (if applicable)

If SELinux is enabled, it may block access even if Apache permissions are correct. You can check the status with:

sestatus

If it is enabled, you might need to adjust the security context:

sudo chcon -R -t httpd_sys_content_t /usr/local/nagios/share

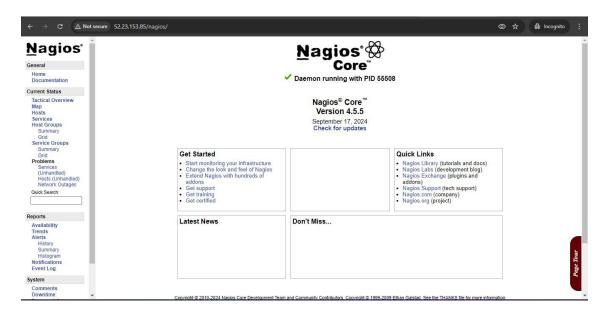
Name: Sandeshkumar.M. Yadav

Roll: 61

4. Restart Apache

After making changes, restart the Apache service:

sudo systemctl restart httpd



Div: D15C

Open

http://<instance public ip >/nagios/ here it is http://18.234.24.186/nagios we can see the running web page of nagios

Or else

http://ec2-52-23-153-85.compute-1.amazonaws.com/nagios

Name: Sandeshkumar.M. Yadav Div: D15C Roll: 61

Conclusion:

In this experiment, we have set up Nagios Core with plugins on Amazon Linux, which will help us understand continuous monitoring and installation. It is important to note that the set of rules added in Step 1 are crucial for the success of this experiment. By configuring Nagios, we enable effective monitoring of systems, networks, and applications, allowing for timely alerts and proactive management of infrastructure performance and security in a DevOps environment.