Advance devops 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.

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.

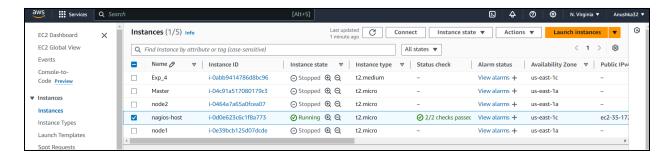
Features of Nagios

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
- Utilizes 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

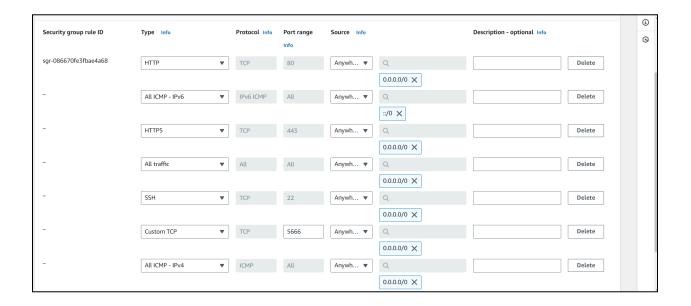
1. Create an Amazon Linux EC2 Instance

• Name it nagios-host.



2. Configure Security Group

- Ensure HTTP, HTTPS, SSH, and ICMP are open from everywhere.
- Edit the inbound rules of the specified Security Group



3. Connect to Your EC2 Instance

• SSH into your EC2 instance or use EC2 Instance Connect from the browser

4. Update Package Indices and Install Required Packages

Commands -

sudo yum update
sudo yum install httpd php
sudo yum install gcc glibc glibc-common
sudo yum install gd gd-devel

```
Close permanently
   (i) Keyboard shortcut
             to tab out of the terminal window and select the next button element, press the left and right Shift keys together.
   _/my'
ec2-user@ip-172-31-80-174 ~1$ sudo yum update
ast metadata expiration check: 0:15:44 ago on Tue Oct 1 04:26:43 2024.
  ependencies resolved.
Tothing to do.
Complete!
   omp.ece:
ec2-userEip-172-31-80-174 ~]S sudo yum install httpd php
ast metadata expiration check: 0:16:34 ago on Tue Oct 1 04:26:43 2024.
ependencies resolved.
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1.0.9-4.amzn2023

1.0.9-4.amzn2023
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1:1.24.0-1.amzn2023.0.4

8.3.10-1.amzn2023.0.1

8.3.10-1.amzn2023.0.1
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    libxslt
   mailcap
nginx-filesystem
php8.3-cli
php8.3-common
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php8.3-ecil-8.3.10-1.amzn2023.0.1.x86_64
php8.3-mbstring-8.3.10-1.amzn2023.0.1.x86_64
php8.3-process-8.3.10-1.amzn2023.0.1.x86_64
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mailcap-2.1.49-3.amzn2023.0.3.noarch
nginx-filesystem-1:1.24.0-1.amzn2023.0.4.noarch
php8.3-ocommon-8.3.10-1.amzn2023.0.1.x86_64
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   omplete!
ec2-user@ip-172-31-80-174 ~]$
    i-0d08dddee33dde6db (nagios-host)
```

 Keyboard shortcut To tab out of the terminal window and select the next button element, press the left and right Shift keys together. 	Close permanently
0/62): libwebp-devel-1.2.4-1.amzn2023.0.6.x86_64.rpm 1/62): libxml2-devel-2.10.4-1.amzn2023.0.6.x86_64.rpm 2/62): libtiff-devel-4.4.0-4.amzn2023.0.18.x86_64.rpm 3/62): libtiff-devel-1.13.1-7.amzn2023.0.18.x86_64.rpm 3/62): libtxd-devel-1.13.1-7.amzn2023.0.3.x86_64.rpm 4/62): pcre2-devel-10.40-1.amzn2023.0.3.x86_64.rpm 5/62): pcre2-utf16-10.40-1.amzn2023.0.3.x86_64.rpm 6/62): pcre2-utf18-10.40-1.amzn2023.0.3.x86_64.rpm 7/62): sysprof-capture-devel-3.41-2.amzn2023.0.2.x86_64.rpm 8/62): pixnan-0.40.0-3.amzn2023.0.3.x86_64.rpm 9/62): xml-common-0.6.3-56.amzn2023.0.2.x66_64.rpm 9/62): xml-eownon-0.6.3-56.amzn2023.0.2.x66_64.rpm 1/62): xpi-devel-5.2.5-9.amzn2023.0.2.x66_64.rpm 1/62): xpi-devel-5.2.5-9.amzn2023.0.2.x66_64.rpm 1/62): xlib-devel-1.2.11-33.amzn2023.0.5.x86_64.rpm	644 kB/s 37 kB
tal nning transaction check ansaction check succeeded. nning transaction test ansaction test succeeded. nning transaction test succeeded. nning transaction preparing	24 MB/s 23 MB 00:00 1/1 1/62 2/63 3/62 4/63 5/63 6/63 7/63
i-0d08dddee33dde6db (nagios-host) PubliclPs: 35.173.200.53	×

5. Create a New Nagios User

Commands -

sudo adduser -m nagios sudo passwd nagios

```
Last login: Mon Sep 30 17:45:34 2024 from 18.206.107.27

[ec2-user@ip-172-31-88-250 ~]$ sudo adduser -m nagios
adduser: user 'nagios' already exists

[ec2-user@ip-172-31-88-250 ~]$ sudo passwd nagios
Changing password for user nagios.

New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.

New password:
Retype new password:
passwd: all authentication tokens updated successfully.

[ec2-user@ip-172-31-88-250 ~]$
```

6. Create a New User Group

Commands -

sudo groupadd nagcmd

```
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-88-250 ~]$ sudo groupadd nagcmd
[ec2-user@ip-172-31-88-250 ~]$ sudo usermod -a -G nagcmd nagios
[ec2-user@ip-172-31-88-250 ~]$ sudo usermod -a -G nagcmd apache
[ec2-user@ip-172-31-88-250 ~]$
```

7. Add Users to the Group

Commands -

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

```
[ec2-user@ip-172-31-80-22 ~]$ sudo usermod -aG nagcmd nagios sudo usermod -aG nagcmd apache_
```

8. Create a Directory for Nagios Downloads

Commands -

```
mkdir ~/downloads
```

cd ~/downloads

```
[ec2-user@ip-172-31-88-250 ~]$ sudo usermod -a -G
[ec2-user@ip-172-31-88-250 ~]$ mkdir ~/downloads
[ec2-user@ip-172-31-88-250 ~]$ cd ~/downloads
```

9. Download Nagios and Plugins Source Files

Commands -

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

10. Extract the Nagios Source File

Commands -

tar zxvf nagios-4.4.6.tar.gz

cd nagios-4.4.6

```
[ec2-user@ip-172-31-80-174 downloads]& tar zxvf nagios-4.0.8.tar.gz nagios-4.0.8/
nagios-4.0.8/,gitignore
nagios-4.0.8/,gitignore
nagios-4.0.8/,hamgelog
nagios-
```

11. Run the Configuration Script

Commands -

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

```
nagios-4.0.8 nagios-4.0.8.tar.gz nagios-plugins-2.0.3.tar.gz

[ec2-user@ip-172-31-80-174 downloads]$ cd nagios-4.0.8

[ec2-user@ip-172-31-80-174 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 whether make sets $(MAKE)... yes

checking for strip... /usr/bin/strip

checking for strip... /usr/bin/strip

checking for gerp that handles long lines and -e... /usr/bin/grep

checking for egrep... /usr/bin/grep -E

checking for ANSI C header files... yes

checking for sys/types.h... yes

checking for sys/vyes.h... yes

checking for sys/types.h... yes

checking for sys/types.h... yes

checking for sys/types.h... yes

checking for stdlib.h... yes
```

12. Compile the Source Code

Commands -

make all

```
done
/usr/bin/install: cannot stat '*.cgi': No such file or directory
make[2]: *** [Makefile:205: install-basic] Error 1
make[2]: Leaving directory '/home/ec2-user/downloads/nagios-4.0.8/cgi'
make[1]: *** [Makefile:197: install] Error 2
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.0.8/cgi'
make: *** [Makefile:235: install] Error 2
[ec2-user@ip-172-31-80-174 nagios-4.0.8]$ sudo make install-init
/usr/bin/install -c -m 755 -d -o root -g root /etc/rc.d/init.d
/usr/bin/install -c -m 755 -o root -g root daemon-init /etc/rc.d/init.d/nagios

*** Init script installed ***

[ec2-user@ip-172-31-80-174 nagios-4.0.8]$
```

13. Install Binaries, Init Script, and Sample Config Files

Commands -

./sudo make install

sudo make install-init

sudo make install-config

sudo make install-commandmode

```
*** External command directory configured ***

[ec2-user@ip-172-31-80-174 nagios-4.0.8]$ sudo nano /usr/local/nagios/etc/objects/contacts.cfg
[ec2-user@ip-172-31-80-174 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 ***

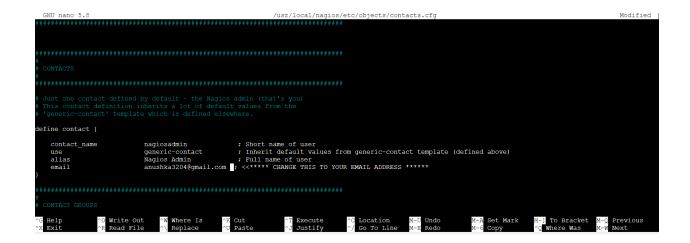
[ec2-user@ip-172-31-80-174 nagios-4.0.8]$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Re-type new password for user nagiosadmin
[ec2-user@ip-172-31-80-174 nagios-4.0.8]$ sudo service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[ec2-user@ip-172-31-80-174 nagios-4.0.8]$ cd ~/downloads
[ec2-user@ip-172-31-80-174 downloads]$ tar zxvf nagios-plugins-2.0.3.tar.gz
nagios-plugins-2.0.3/perlmods/config-Tiny-2.14.tar.gz
nagios-plugins-2.0.3/perlmods/Config-Tiny-2.14.tar.gz
nagios-plugins-2.0.3/perlmods/Makefile.in
nagios-plugins-2.0.3/perlmods/Makefile.in
nagios-plugins-2.0.3/perlmods/Makefile.in
nagios-plugins-2.0.3/perlmods/Makefile.in
nagios-plugins-2.0.3/perlmods/Makefile.in
nagios-plugins-2.0.3/perlmods/Module-Metadata-1.000014.tar.gz
nagios-plugins-2.0.3/perlmods/Module-Metadata-1.08.tar.gz
nagios-plugins-2.0.3/perlmods/Params-validate-1.08.tar.gz
nagios-plugins-2.0.3/perlmods/Params-validate-1.08.tar.gz
nagios-plugins-2.0.3/perlmods/Params-validate-1.08.tar.gz
nagios-plugins-2.0.3/perlmods/Params-validate-1.08.tar.gz
```

14. Edit the Config File to Change the Email Address

Commands -

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

• Change the email address in the contacts.cfg file to your preferred email.



15. Configure the Web Interface

Commands -

sudo make install-webconf

16. Create a Nagios Admin Account

Commands -

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

• You will be prompted to enter and confirm the password for the nagiosadmin user

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

[ec2-user@ip-172-31-88-250 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-172-31-88-250 nagios-4.4.6]$

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/psinfo.in 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-172-31-88-250 downloads]$ cd nagios-plugins-2.3.3 [ec2-user@ip-172-31-88-250 nagios-plugins-2.3.3]$
```

```
make install-exec-hook
make(3): Entering directory '/home/ec2-user/downloads/nagios-plugins-2.3.3/plugins'
cd /usr/local/nagios/libexec % \
for i in check ftp check imap check nntp check pop check_udp check_clamd ; do rm -f $i; ln -s check_tcp $i; done; \
if [-x check_cldap]; j then rm -f check_cldaps; ln -s check_ldap check_clamd; do rm -f $i; ln -s check_tcp $i; done; \
if [-x check_cldap]; hen rm -f check_cldaps; ln -s check_ldaps; fi
make(3): Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.3.3/plugins'
make(2): Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.3.3/plugins'
make(1): Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.3.3/plugins'
Making install in plugins-scripts
make(1): Entering directory '/home/ec2-user/downloads/nagios-plugins-2.3.3/plugins-scripts'
make(2): Entering directory '/home/ec2-user/downloads/nagios-plugins-2.3.3/plugins-scripts'
test -z "/usr/local/nagios/libexec" | /usr/bin/mkdir -p "/usr/local/nagios/libexec"
/usr/bin/install -c -o nagios -g nagios check breeze check_disk mbc check flexm check_ircd_check_log_check_oracle_check_user_scheck_list_smbc.enter_local/nagios/libexec'
make(2): Leaving_directory '/home/ec2-user/downloads/nagios-plugins-2.3.3/plugins-scripts'
```

17. Restart Apache

Commands -

sudo systemctl restart httpd

```
[ec2-user@ip-172-31-80-22 nagios-4.4.6]$ sudo systemctl restart httpd
[ec2-user@ip-172-31-80-22 nagios-4.4.6]$
```

18. Extract the Plugins Source File

Commands -

cd ~/downloads

tar zxvf nagios-plugins-2.3.3.tar.gz

cd nagios-plugins-2.3.3

```
[ec2-user@ip-172-31-80-22 nagios-4.4.6]$ sudo systemctl restart httpd
[ec2-user@ip-172-31-80-22 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
```

```
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.0.3/po'
make[2]: Entering directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'
make[2]: Entering directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'
make[2]: Make [1]: Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'
make [2]: Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'

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Make [2]: Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'

Make [2]: Leaving directory '/home/ec2-user/downloads/nagios-plugins-2.0.3'

Make [2]: Leaving directory '/
```

```
Read object config files okay...

Running pre-flight check on configuration data...

Checking objects...
Checked 8 services.
Checked 1 hosts.
Checked 1 hosts.
Checked 1 ost groups.
Checked 1 ornacts.
Checked 1 contacts.
Checked 1 contacts.
Checked 1 contact groups.
Checked 2 commands.
Checked 5 time periods.
Checked 5 time periods.
Checked 0 host escalations.
Checked 0 host escalations.
Checked 0 host escalations.
Checked 0 host scalations.
Checked 1 hosts
Checked 0 service dependencies
Checked 5 timeperiods

Checking for circular paths...
Checking for circular paths...
Checked 1 hosts
Checked 2 host service dependencies
Checked 3 hosts
Checked 5 timeperiods
Checked 6 timeperiods
Checked 6 timeperiods
Checked 7 timeperiods
Checked 7 timeperiods
Checked 8 timeperiods
Checked 9 timeperio
```

If Error

sudo mkdir -p /usr/local/nagios/var/spool/checkresults sudo chown -R nagios:nagcmd /usr/local/nagios/var

```
Things look okay - No serious problems were detected during the pre-flight check
[ec2-user@ip-172-31-80-174 nagios-plugins-2.0.3]$ sudo service nagios start
Reloading systemd:
[ OK ]
Starting nagios (via systemctl):
[ OK ]
[ec2-user@ip-172-31-80-174 nagios-plugins-2.0.3]$
```

19. Compile and Install Plugins

Commands -

./configure --with-nagios-user=nagios --with-nagios-group=nagios
make
sudo make install

```
[ec2-user@ip-172-31-80-22 nagios-plugins-2.3.3]$ ./configure --with-nagios-user=nagios --with-nagios-group=nagios make
sudo make install
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 bost 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 esceutables...
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 for style of include used by make... GNU
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -e... /usr/bin/grep
```

20. Start Nagios

Commands -

```
sudo chkconfig --add nagios
sudo chkconfig nagios on
sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
sudo systemctl start nagios
```

```
[ec2-user@ip-172-31-80-22 nagios-plugins-2.3.3]$ sudo chkconfig --add nagios
sudo chkconfig nagios on
sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
sudo systemctl start nagios
error reading information on service nagios: No such file or directory
Note: Forwarding request to 'systemctl enable nagios.service'.

Treated symlink /etc/systemd/system/multi-user.target.wants/nagios.service → /usr/lib/systemd/system/nagios.service.

Nagios Core 4.4.6

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Last Modified: 2020-04-28
License: GPL

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

Read object config files check on configuration data...

Checked 8 services.

Checked 8 services.

Checked 1 hosts.
```

21. Check the Status of Nagios

Commands -

sudo systemetl status nagios

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

[ec2-user@ip-172-31-80-174 nagios-plugins-2.0.3]$ sudo service nagios start

Reloading systemd:

[ OK ]

Starting nagios (via systemctl):

[ ec2-user@ip-172-31-80-174 nagios-plugins-2.0.3]$ sudo systemctl status nagios

• nagios.service - LSB: Starts and stops the Nagios monitoring server

Loaded: loaded (/etc/rc.g/init.d/nagios; generated)

Active: active (running) since Tue 2024-10-01 05:25:27 UTC; 38s ago

Docs: manisystemd-sysy-generator.(8)

Process: 67937 ExecStart=/etc/rc.d/init.d/nagios start (code=exited, status=0/SUCCESS)

Tasks: 6 (limit: 1112)

Memory: 2.1M

CPU: 49ms

CGroup: /system.slice/nagios.service

|-67961 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
|-67962 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67962 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67964 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67964 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67965 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67966 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67966 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67965 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67965 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/ctc/nagios.cfg

Oct 01 05:25:27 ip-172-31-80-174.ec2.internal nagios[67959]: nerd: Channel hostchecks registered successfully
Oct 01 05:25:27 ip-172-31-80-174.ec2.internal nagios[67959]: nerd: Channel opathchecks registered successfully
Oct 01 05:25:27 ip-172-31-80-174.ec2.internal nagios[67959]: nerd: Channel opathchecks registered successfully
Oct 01 05:25:27 ip-172-31-80-174.ec2.internal nagios[67959]: nerd: Channel opathchecks registered successfully
Oct 01 05:25:27 ip-172-31-80-174.ec2.internal nagios[67959]: nerd: Channel opathchecks registe
```

```
Starting nagios (Via systemcti): [ OK ]
[ec2-userPip-172-31-80-174 nagios-plugins-2.0.3]$ sudo systemcti ]
[ec2-userPip-172-31-80-174 nagios plugins-2.0.3]$ sudo systemcti status nagios

nagios.service - LSB: Starts and stops the Nagios monitoring server

Loaded: loaded (/stc.d/Jnit.d/nagios; generated)
Active: active (running) since Twe 2024-10-01 05:25:27 UTC; 38s ago
Docs: manlsystemd-aysv-generator.(8)

Process: 67937 Execstart=/etc/rc.d/init.d/nagios start (code=exited, status=0/SUCCESS)

Tasks: 6 (limit: 1112)

Memory: 2.1M

CUU: 49ms

CGroup: /system.slice/nagios.service
|-67959 /usr/local/nagios/bin/nagios -d /usr/local/nagios/var/rw/nagios.qh
|-67961 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67962 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67963 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67964 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67965 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67966 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67965 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
|-67964 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qf

Oct 01 05:25:27 ip-172-31-80-174.ec2.internal nagios[67959]: nerd: Channel bostchecks registered successfully
oct 01 05:25:27:27 ip-172-31-80-174.ec2.internal nagios[67959]: nerd: Channel servicechecks registered successfully
oct 01 05:25:27:27 ip-172-31-80-174.ec2.internal nagios[67959]: wproc: Registry request: name=Core Worker 67964;pid=67964
Oct 01 05:25:27:27 ip-172-31-80-174.ec2.internal nagios[67959]: wproc: Registry request: name=Core Worker 67964;pid=67965
oct 01 05:25:27:27 ip-172-31-80-174.ec2.internal nagios[67959]: wproc: Registry request: name=Core Worker 67963;pid=67963
oct 01 05:25:27:27 ip-172-31-80-174.ec2.internal nagios[67959]: wproc: Registry request: name=Core Worker 67963;pid=67963
oct 01 05:25:27:27 ip-1
```

22. Access Nagios Web Interface

Anushka Shahane D15A 55

- Copy the Public IP address of your EC2 instance.
- Open your browser and navigate to http://<your_public_ip_address>/nagios.
- Enter the username nagiosadmin and the password you set in Step 16.



