

EXPERIMENT NO. 9

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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 monitoring tool designed to monitor systems, networks, and infrastructure. It helps organizations identify and resolve IT infrastructure issues before they affect critical business processes. Nagios provides monitoring and alerting services for servers, switches, applications, and services.

Key Features of Nagios

1. **Monitoring:** Nagios can monitor a wide range of network services (HTTP, SMTP, POP3, etc.), host resources (processor load, disk usage, system logs, etc.), and environmental factors (temperature, humidity, etc.).
2. **Alerting:** When an issue is detected, Nagios can send alerts via email, SMS, or custom scripts to notify administrators.
3. **Reporting:** Nagios provides detailed reports and logs of outages, events, notifications, and alert responses, helping in historical analysis and SLA compliance.
4. **Scalability:** Nagios is designed to scale and can monitor large, complex environments.
5. **Flexibility:** With a wide range of plugins and add-ons, Nagios can be customized to meet specific monitoring needs.

How Nagios Works

1. **Configuration:** Administrators configure Nagios to monitor specific services and hosts. This involves defining what to monitor, how to monitor it, and what actions to take when issues are detected.
2. **Plugins:** Nagios uses plugins to gather information about the status of various services and hosts. These plugins can be custom scripts or pre-built ones available in the Nagios community.
3. **Scheduling:** Nagios schedules regular checks of the defined services and hosts using the configured plugins.

4. **Alerting:** If a check indicates a problem, Nagios triggers an alert. Alerts can be configured to escalate if not acknowledged within a certain timeframe.
5. **Web Interface:** Nagios provides a web interface for viewing the status of monitored services and hosts, acknowledging alerts, and generating reports.

Continuous Monitoring

Continuous monitoring is a process that involves constantly tracking and analyzing the performance and security of IT systems. This practice is crucial for identifying and responding to issues in real-time, ensuring system reliability, and maintaining security. Key benefits include:

- **Real-time insights** into system performance.
- **Early detection** of issues to prevent downtime.
- **Enhanced security** through continuous threat detection.
- **Improved compliance** with regulatory standards.

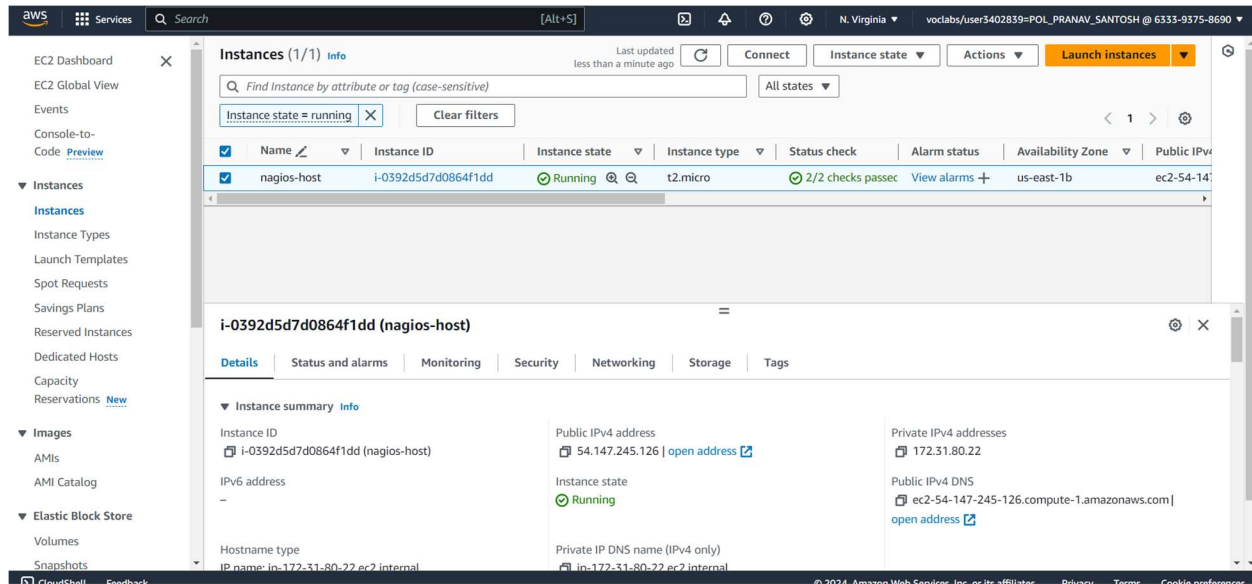
Setting Up Nagios

1. **Installation:** Install Nagios on a server, typically a Linux-based system.
2. **Configuration Files:** Edit configuration files to define what to monitor and how to monitor it. This includes defining hosts, services, contacts, and notification methods.
3. **Plugins:** Install and configure necessary plugins to monitor specific services and hosts.
4. **Web Interface:** Set up the web interface to allow easy access to monitoring data and alert management.
5. **Testing:** Test the configuration to ensure that Nagios is correctly monitoring the defined services and hosts and that alerts are being sent as expected.

Implementation :

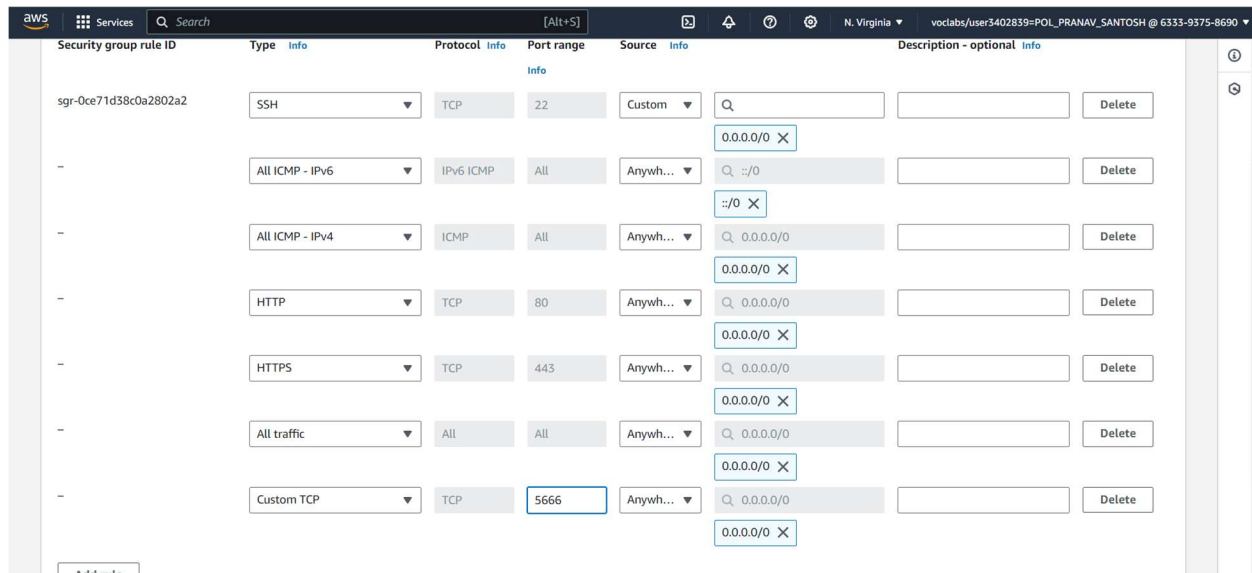
1. Create an Amazon Linux EC2 Instance

- Name it nagios-host.



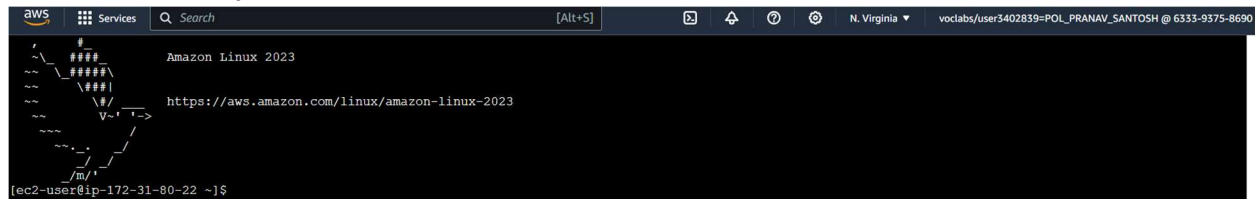
2. Configure Security Group

- 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

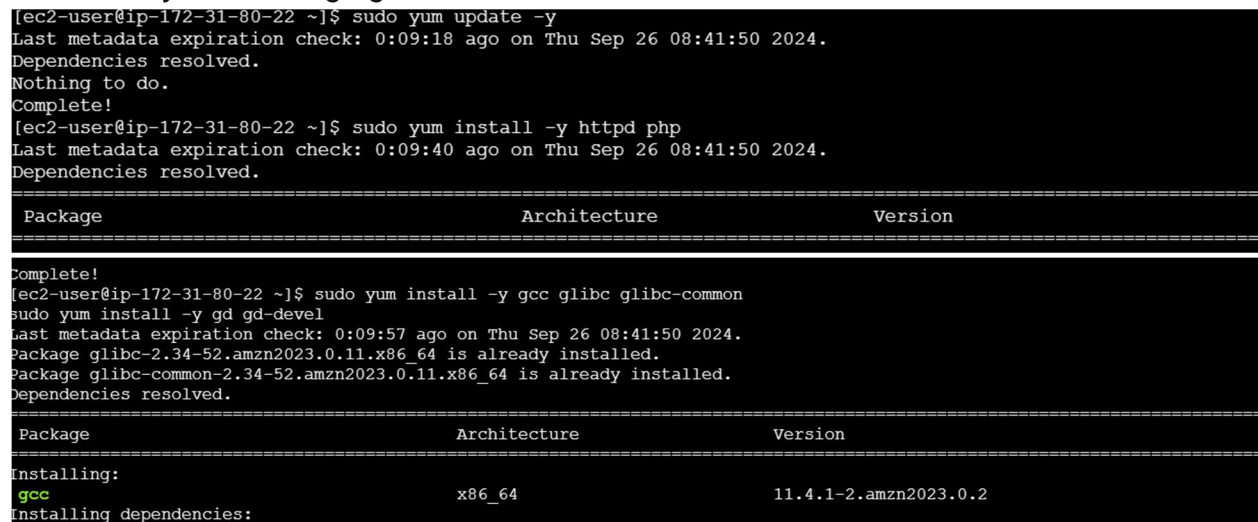
- SSH into your EC2 instance or use EC2 Instance Connect from the browser

A screenshot of the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services' link, a search bar, and user information 'N. Virginia' and 'voclabs/user3402839=POL_PRANAV_SANTOSH @ 6333-9375-8690'. Below this, a terminal window titled 'Amazon Linux 2023' is shown. It displays the Amazon Linux logo, the URL 'https://aws.amazon.com/linux/amazon-linux-2023', and the command prompt '[ec2-user@ip-172-31-80-22 ~]\$'.

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
```

A screenshot of a terminal window showing the execution of yum commands. The first command is 'sudo yum update -y', which outputs 'Last metadata expiration check: 0:09:18 ago on Thu Sep 26 08:41:50 2024. Dependencies resolved. Nothing to do. Complete!'. The second command is 'sudo yum install -y httpd php', which outputs 'Last metadata expiration check: 0:09:40 ago on Thu Sep 26 08:41:50 2024. Dependencies resolved.' followed by a table of installed packages. The third command is 'sudo yum install -y gcc glibc glibc-common', which outputs 'Last metadata expiration check: 0:09:57 ago on Thu Sep 26 08:41:50 2024. Package glibc-2.34-52.amzn2023.0.11.x86_64 is already installed. Package glibc-common-2.34-52.amzn2023.0.11.x86_64 is already installed. Dependencies resolved.' followed by another table of installed packages. The fourth command is 'sudo yum install -y gd gd-devel', which outputs 'Last metadata expiration check: 0:09:57 ago on Thu Sep 26 08:41:50 2024. Dependencies resolved.' followed by a table of installed packages. The first table has columns 'Package', 'Architecture', and 'Version'. The second table has columns 'Package', 'Architecture', and 'Version'. The third table has columns 'Package', 'Architecture', and 'Version'.

Package	Architecture	Version
httpd	x86_64	2.4.62-1.amzn2023.0.1
php	x86_64	8.2.13-1.amzn2023.0.1

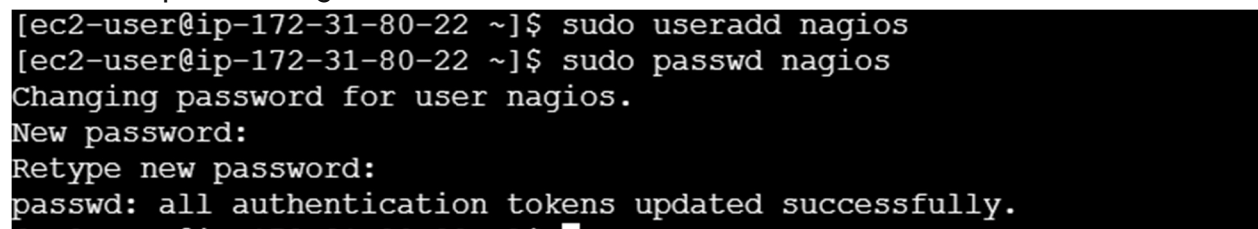
Package	Architecture	Version
gcc	x86_64	11.4.1-2.amzn2023.0.2
glibc	x86_64	2.34-52.amzn2023.0.11
glibc-common	x86_64	2.34-52.amzn2023.0.11

Package	Architecture	Version
gd	x86_64	2.3.3-9.amzn2023.0.1
gd-devel	x86_64	2.3.3-9.amzn2023.0.1

5. Create a New Nagios User

Commands -

```
sudo adduser -m nagios
sudo passwd nagios
```

A screenshot of a terminal window showing the execution of useradd and passwd commands. The first command is 'sudo useradd nagios', which outputs 'useradd: user 'nagios' added'. The second command is 'sudo passwd nagios', which outputs 'Changing password for user nagios. New password: Retype new password: passwd: all authentication tokens updated successfully.' followed by a prompt for the new password.

```
[ec2-user@ip-172-31-80-22 ~]$ sudo useradd nagios
[ec2-user@ip-172-31-80-22 ~]$ sudo passwd nagios
Changing password for user nagios.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-80-22 ~]$
```

6. Create a New User Group

Commands -

```
sudo groupadd nagcmd
```

```
[ec2-user@ip-172-31-80-22 ~]$ sudo groupadd nagcmd
[ec2-user@ip-172-31-80-22 ~]$
```

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-172-31-80-22 ~]$ mkdir ~/downloads
cd ~/downloads
[ec2-user@ip-172-31-80-22 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
```

```
[ec2-user@ip-172-31-80-22 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
--2024-09-26 08:56:36-- 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:fe77:45ce
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          100%[=====>] 10.81M  12.6MB/s  in 0.9
2024-09-26 08:56:37 (12.6 MB/s) - 'nagios-4.4.6.tar.gz' saved [11333414/11333414]

--2024-09-26 08:56:37-- https://nagios-plugins.org/download/nagios-plugins-2.3.3.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|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2782610 (2.7M) [application/x-gzip]
Saving to: 'nagios-plugins-2.3.3.tar.gz'
```

10. Extract the Nagios Source File

Commands -

```
tar xzvf nagios-4.4.6.tar.gz
cd nagios-4.4.6
```

```
[ec2-user@ip-172-31-80-22 downloads]$ tar xzvf 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/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
```

11. Run the Configuration Script

Commands -

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

```
[ec2-user@ip-172-31-80-22 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
```

12. Compile the Source Code

Commands -

```
make all
```

```
[ec2-user@ip-172-31-80-22 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 -O2 -DHAVE_CONFIG_H -DNSCORE -c -o broker.o broker.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o nebmodes.o nebmodes.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=]
   253 |         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 flapping.o flapping.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
```

*** Support Notes *****

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

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

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

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

For more information on obtaining support for Nagios, visit:

<https://support.nagios.com>

Enjoy.

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

```
[ec2-user@ip-172-31-80-22 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 nagiosstats /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 -D -m 664 -o nagios -g nagios sample-config/template-object/switch.cfg /
*** Config files installed ***

Remember, these are *SAMPLE* config files. You'll need to read
the documentation for more information on how to actually define
services, hosts, etc. to fit your particular needs.

/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 ***

```

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.

```

GNU nano 5.8 /usr/local/nagios/etc/objects/contacts.cfg
#####
#
# CONTACTS
#
#####

# Just one contact defined by default - the Nagios admin (that's you)
# This contact definition inherits a lot of default values from the
# 'generic-contact' template which is defined elsewhere.

define contact {
    contact_name    nagiosadmin        ; Short name of user
    use             generic-contact    ; Inherit default values from generic-contact template (defined above)
    alias           Nagios Admin       ; Full name of user
    email           Pranav.s.poll44@gmail.com ; <<***** CHANGE THIS TO YOUR EMAIL ADDRESS *****>>
}

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

```

15. Configure the Web Interface

Commands -

```
sudo make install-webconf
```

```

[ec2-user@ip-172-31-80-22 nagios-4.4.6]$ sudo nano /usr/local/nagios/etc/objects/contacts.cfg
[ec2-user@ip-172-31-80-22 nagios-4.4.6]$ sudo make install-webconf
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf
if [ 0 -eq 1 ]; then \
    ln -s /etc/httpd/conf.d/nagios.conf /etc/apache2/sites-enabled/nagios.conf; \
fi

*** Nagios/Apache conf file installed ***
[ec2-user@ip-172-31-80-22 nagios-4.4.6]$

```

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.


```
[ec2-user@ip-172-31-80-22 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
```

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
nagios-plugins-2.3.3/Makefile.in
```

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 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 for style of include used by make... GNU  
checking dependency style of gcc... gcc3  
checking how to run the C preprocessor... gcc -E  
checking for grep that handles long lines and -e... /usr/bin/grep  
checking for... /usr/bin/grep -E
```

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'.  
Created symlink /etc/systemd/system/multi-user.target.wants/nagios.service → /usr/lib/systemd/system/nagios.service.  
  
Nagios Core 4.4.6  
Copyright (c) 2009-present Nagios Core Development Team and Community Contributors  
Copyright (c) 1999-2009 Ethan Galstad  
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...  
  
Running pre-flight check on configuration data...  
  
Checking objects...  
  Checked 8 services.  
  Checked 1 hosts.  
  Checked 1 host groups.
```

21. Check the Status of Nagios

Commands -

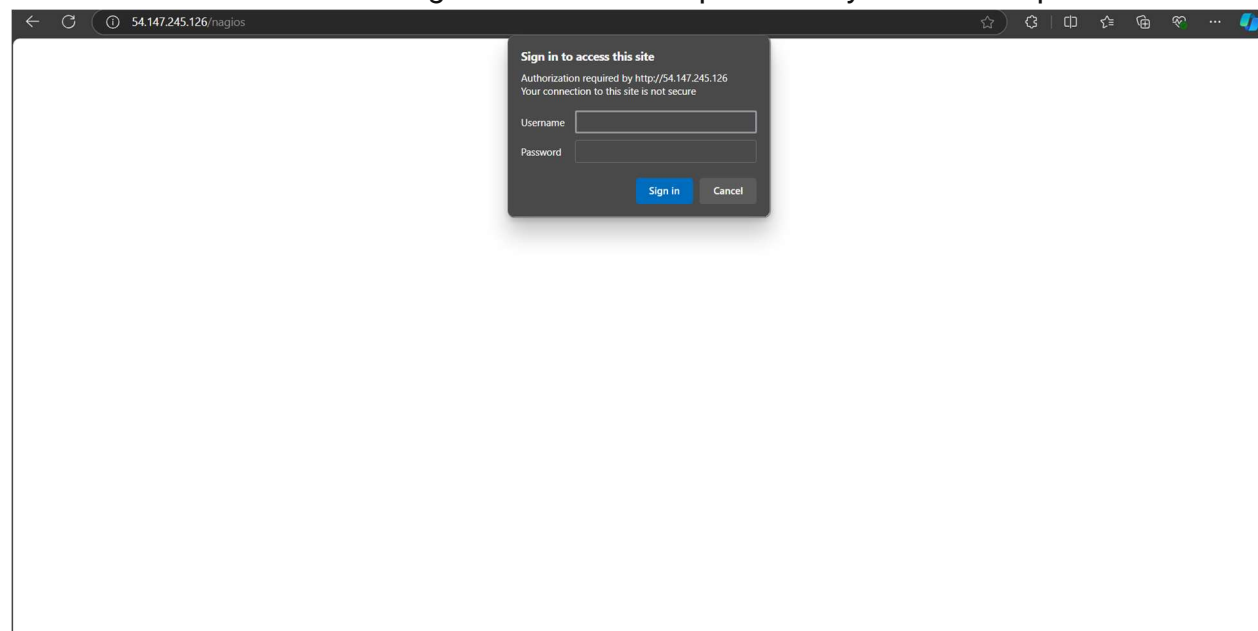
`sudo systemctl status nagios`

```
[ec2-user@ip-172-31-80-22 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 Thu 2024-09-26 09:09:51 UTC; 1min 34s ago
     Docs: https://www.nagios.org/documentation
   Process: 68229 ExecStartPre=/usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
   Process: 68230 ExecStart=/usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
  Main PID: 68231 (nagios)
    Tasks: 6 (limit: 1112)
   Memory: 2.3M
      CPU: 33ms
   CGroup: /system.slice/nagios.service
           └─68231 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
             └─68232 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.gh
               └─68233 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.gh
                 └─68234 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.gh
                   └─68235 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.gh
                     └─68236 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg

Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: qh: Socket '/usr/local/nagios/var/rw/nagios.gh' successfully initialized
Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: qh: core query handler registered
Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: qh: echo service query handler registered
Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: qh: help for the query handler registered
Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: wproc: Successfully registered manager as @wproc with query handler
Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: wproc: Registry request: name=Core Worker 68234;pid=68234
Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: wproc: Registry request: name=Core Worker 68235;pid=68235
Sep 26 09:09:51 ip-172-31-80-22.ec2.internal nagios[68231]: wproc: Registry request: name=Core Worker 68233;pid=68233
```

22. Access Nagios Web Interface

- 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.



Get Started

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

Quick Links

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

Latest News

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Conclusion:

After installing and configuring Nagios Core, Plugins, and NRPE on a Linux machine, We have a robust continuous monitoring setup, ensuring proactive issue detection and optimal system performance.