

Vivekanand Education Society's

Institute of Technology

An Autonomous Institute Affiliated to University of Mumbai,, Approved by AICTE & Recognized by Govt. of Maharashtra Hashu Advani Memorial Complex, Collector Colony, Chembur East, Mumbai - 400074.

Department of Information Technology

A.Y. 2024-25

Advance DevOps Lab Experiment 09

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

Roll No.	42			
Name	NAIKWADI YASH SHIVDAS			
Class	D15B			
Subject	Advance DevOps Lab			
LO Mapped	LO1: To understand the fundamentals of Cloud Computing and be fully proficient with Cloud based DevOps solution deployment options to meet your business requirements.			
	LO5: To use Continuous Monitoring Tools to resolve any system errors (low memory, unreachable server etc.) before they have any negative impact on the business productivity.			
Grade:				

<u>AIM</u>: 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.

Why Use Nagios?

Key reasons to use Nagios include:

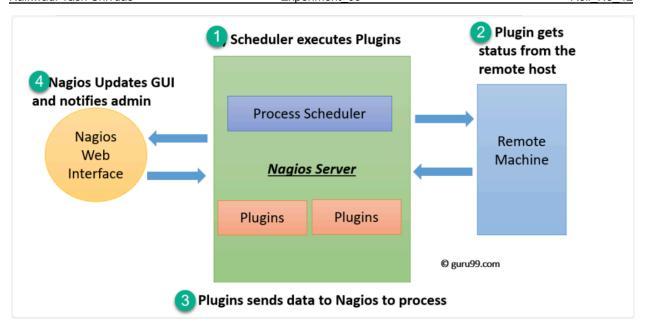
- Detecting network or server issues early
- Identifying the root cause for permanent fixes
- Active monitoring of your infrastructure and processes
- Troubleshooting server performance problems
- Planning upgrades to prevent failures
- Maintaining security and service availability
- Automating problem resolution in critical situations

Features of Nagios:

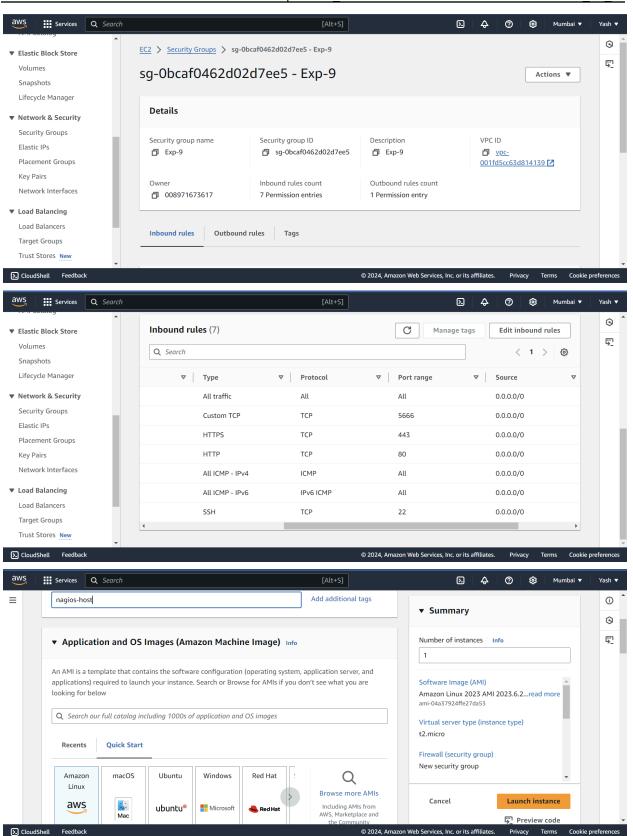
- Scalable, secure, and manageable
- Attractive web interface
- Automatic alerts for changing conditions
- Ability to monitor network services like HTTP, FTP, SMTP, SSH, and more
- Detecting server crashes and performance issues
- Easy plugin integration
- Monitors entire business processes with a single tool
- Event handlers for proactive issue resolution

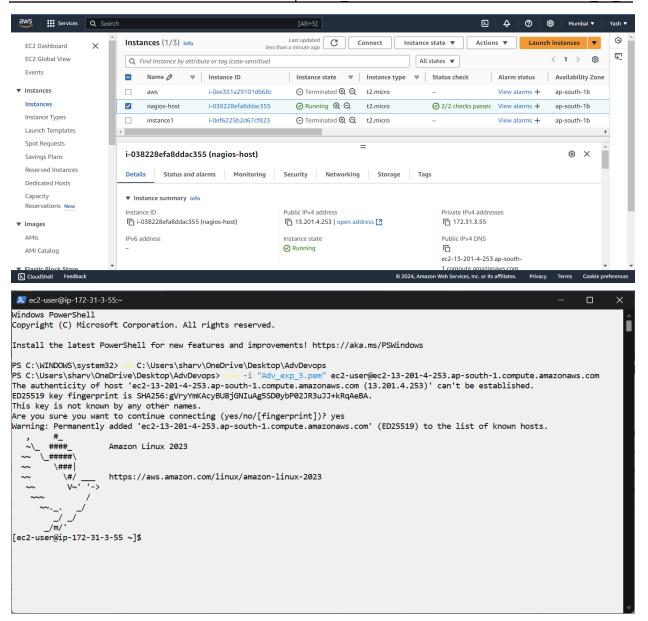
Nagios Architecture

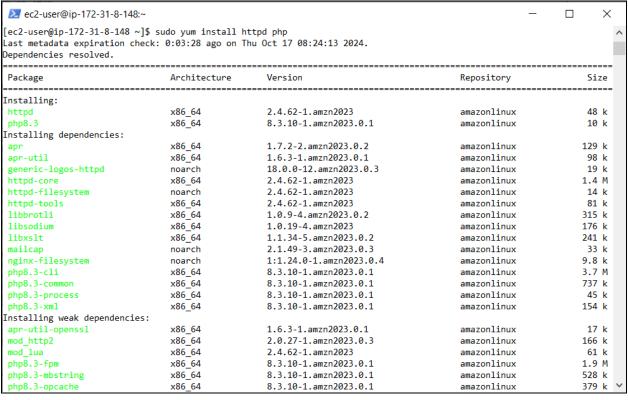
Nagios is a client-server architecture. Usually, on a network, a Nagios server is running on a host, and plugins are running on all the remote hosts which should be monitored.



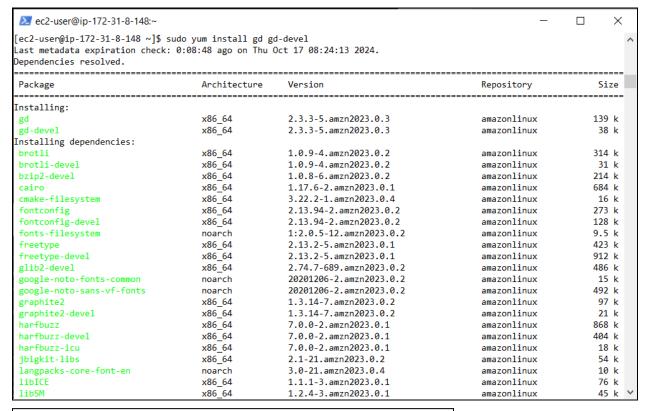
- 1. The scheduler is a component of the server part of Nagios. It sends a signal to execute the plugins at the remote host.
- 2. The plugin gets the status from the remote host
- 3. The plugin sends the data to the process scheduler
- 4. The process scheduler updates the GUI and notifications are sent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







php8.3-opcache	x86_64	8.3.10-1.amzn2023.0.1	amazonlinux	379 k ➤
2 ec2-user@ip-172-31-8-14	8:~		_	□ X
[ec2-user@ip-172-31-8-148	~1\$ sudo vum install		^	
Last metadata expiration				
Package glibc-2.34-52.amz	_			
Package glibc-common-2.34				
Dependencies resolved.				
Package	Architecture	 Version	Repository	Size
Installing:				
gcc	x86 64	11.4.1-2.amzn2023.0.2	amazonlinux	32 M
Installing dependencies:	_			
annobin-docs	noarch	10.93-1.amzn2023.0.1	amazonlinux	92 k
annobin-plugin-gcc	x86_64	10.93-1.amzn2023.0.1	amazonlinux	887 k
срр	x86_64	11.4.1-2.amzn2023.0.2	amazonlinux	10 M
gc	x86_64	8.0.4-5.amzn2023.0.2	amazonlinux	105 k
glibc-devel	x86_64	2.34-52.amzn2023.0.11	amazonlinux	27 k
glibc-headers-x86	noarch	2.34-52.amzn2023.0.11	amazonlinux	427 k
guile22	x86_64	2.2.7-2.amzn2023.0.3	amazonlinux	6.4 M
kernel-headers	x86_64	6.1.112-122.189.amzn2023	amazonlinux	1.4 M
libmpc	x86_64	1.2.1-2.amzn2023.0.2	amazonlinux	62 k
libtool-ltdl	x86_64	2.4.7-1.amzn2023.0.3	amazonlinux	38 k
libxcrypt-devel	x86_64	4.4.33-7.amzn2023	amazonlinux	32 k
make	x86_64	1:4.3-5.amzn2023.0.2	amazonlinux	534 k
Transaction Summary				
======================================				
Total download size: 52 M				
Installed size: 168 M				
Is this ok [y/N]: y				
Downloading Packages:				~
nownioading rackages:				•



[ec2-user@ip-172-31-8-148 ~]\$ sudo adduser -m nagios

```
[ec2-user@ip-172-31-8-148 ~]$ sudo passwd nagios
Changing password for user nagios.
New password:
```

Retype new password:

passwd: all authentication tokens updated successfully. [ec2-user@ip-172-31-8-148 ~]\$

```
ec2-user@ip-172-31-8-148 downloads]$ wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.9.tar.gz
--2024-10-17 08:40:59-- https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.9.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: 11339450 (11M) [application/x-gzip]
Saving to: 'nagios-4.4.9.tar.gz'
nagios-4.4.9.tar.gz
                          100%[------] 10.81M 2.36MB/s
                                                                                               in 6.0s
2024-10-17 08:41:06 (1.79 MB/s) - 'nagios-4.4.9.tar.gz' saved [11339450/11339450]
[ec2-user@ip-172-31-8-148 downloads]$ wget http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz
-2024-10-17 08:48:36-- http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz
Resolving nagios-plugins.org (nagios-plugins.org)... 45.56.123.251
Connecting to nagios-plugins.org (nagios-plugins.org)|45.56.123.251|:80... connected.
HTTP request sent, awaiting response... 200 OK
ength: 2659772 (2.5M) [application/x-gzip]
Saving to: 'nagios-plugins-2.0.3.tar.gz'
in 3.1s
2024-10-17 08:48:40 (844 KB/s) - 'nagios-plugins-2.0.3.tar.gz' saved [2659772/2659772]
[ec2-user@ip-172-31-8-148 downloads]$
```

```
П
 ec2-user@ip-172-31-8-148:~/downloads
[ec2-user@ip-172-31-8-148 downloads]$ tar zxvf nagios-4.4.9.tar.gz
nagios-4.4.9/
nagios-4.4.9/.gitignore
nagios-4.4.9/.travis.yml
nagios-4.4.9/CONTRIBUTING.md
nagios-4.4.9/Changelog
nagios-4.4.9/INSTALLING
nagios-4.4.9/LEGAL
nagios-4.4.9/LICENSE
nagios-4.4.9/Makefile.in
nagios-4.4.9/README.md
nagios-4.4.9/THANKS
nagios-4.4.9/UPGRADING
nagios-4.4.9/aclocal.m4
nagios-4.4.9/autoconf-macros/
nagios-4.4.9/autoconf-macros/.gitignore
nagios-4.4.9/autoconf-macros/CHANGELOG.md
nagios-4.4.9/autoconf-macros/LICENSE
nagios-4.4.9/autoconf-macros/LICENSE.md
nagios-4.4.9/autoconf-macros/README.md
nagios-4.4.9/autoconf-macros/add_group_user
nagios-4.4.9/autoconf-macros/ax_nagios_get_distrib
nagios-4.4.9/autoconf-macros/ax_nagios_get_files
nagios-4.4.9/autoconf-macros/ax_nagios_get_inetd
nagios-4.4.9/autoconf-macros/ax_nagios_get_init
nagios-4.4.9/autoconf-macros/ax_nagios_get_os
nagios-4.4.9/autoconf-macros/ax_nagios_get_paths
nagios-4.4.9/autoconf-macros/ax_nagios_get_ssl
nagios-4.4.9/base/
nagios-4.4.9/base/.gitignore
nagios-4.4.9/base/Makefile.in
```

```
[ec2-user@ip-172-31-8-148 downloads]$ ls
agios-4.4.9 nagios-4.4.9.tar.gz nagios-plugins-2.0.3.tar.gz
[ec2-user@ip-172-31-8-148 downloads]$ cd nagios-4.4.9
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ sudo yum install openssl-devel
ast metadata expiration check: 0:28:36 ago on Thu Oct 17 08:24:13 2024.
Dependencies resolved.
Package
                    Architecture
                                   Version
                                                               Repository
Installing:
                    x86 64
                                   1:3.0.8-1.amzn2023.0.16
                                                                                  3.0 M
                                                               amazonlinux
openss1-devel
Transaction Summary
Install 1 Package
Total download size: 3.0 M
Installed size: 4.7 M
Is this ok [y/N]:
```

```
ec2-user@ip-172-31-8-148:~/downloads/nagios-4.4.9
                                                                                                               X
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ ./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
checking for memory.h... yes
checking for strings.h... yes
checking for inttypes.h... yes
checking for stdint.h... yes
checking for unistd.h... yes
checking arpa/inet.h usability... yes
```

```
ec2-user@ip-172-31-8-148:~/downloads/nagios-4.4.9
                                                                                                               Х
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ make clean
cd ./lib && make clean
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/lib'
rm -f untested *.gcov *.gcda *.gcno gmon.out
rm -f test-squeue test-kvvec test-iocache test-iobroker test-bitmap test-dkhash test-runcmd test-nsutils test-fanout
rm -f core.* *.o *~ wproc *.a
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/lib'
cd ./base && make clean
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/base'
rm -f nagios nagiostats core *.o gmon.out
rm -f *~ *.*~
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/base'
cd ./cgi && make clean
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/cgi'
rm -f archivejson.cgi avail.cgi cmd.cgi config.cgi extinfo.cgi history.cgi notifications.cgi objectjson.cgi outages.cgi
showlog.cgi status.cgi statusjson.cgi statuswml.cgi summary.cgi tac.cgi statuswrl.cgi statusmap.cgi trends.cgi histogram
.cgi
rm -f *.o core gmon.out
rm -f *~ *.*~
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/cgi'
cd ./common && make clean
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/common'
rm -f core *.o
rm -f *~
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/common'
cd ./xdata && make clean
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/xdata'
rm -f *.o
rm -f *~
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/xdata'
cd ./html && make clean
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/html'
```

```
ec2-user@ip-172-31-8-148:~/downloads/nagios-4.4.9
                                                                                                                X
rm -f worker-ping worker-ping.o
rm -f core *.o
rm -f *~ *.*~
make[2]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/worker/ping'
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/worker'
rm -f *.cfg core
rm -f *~ *.*~ */*~ */*.*~ */*/*.*~
rm -f nagioscore.info-file
rm -f *.gcno */*.gcno */*/*.gcno
rm -f *.gcda */*.gcda */*/*.gcda
rm -f *.gcov */*.gcov */*/*.gcov
rm -rf coverage-report
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ make all
```

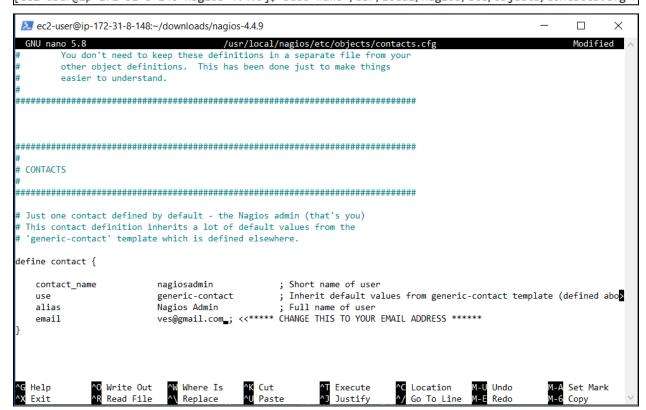
```
ec2-user@ip-172-31-8-148:~/downloads/nagios-4.4.9
                                                                                                               X
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ sudo make install
cd ./base && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/base'
/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-4.4.9/base'
cd ./cgi && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/cgi'
make install-basic
make[2]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/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-4.4.9/cgi'
make[1]: Leaving directory '/home/ec2-user/downloads/nagios-4.4.9/cgi'
cd ./html && make install
make[1]: Entering directory '/home/ec2-user/downloads/nagios-4.4.9/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 775 -o nagios -g nagios -d /usr/local/nagios/share/docs/images/
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/js
usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/images/
usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/images/logos/
usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/includes/
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/ssi
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/angularjs
usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/share/angularjs/angular-1.3.9/
```

```
ec2-user@ip-172-31-8-148:~/downloads/nagios-4.4.9
                                                                                                               П
                                                                                                                       X
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ 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/
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ sudo make install-config
/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/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/templates.cfg /usr/local/nagios/etc/obje/
cts/templates.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/commands.cfg /usr/local/nagios/etc/objec
ts/commands.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/contacts.cfg /usr/local/nagios/etc/objec
ts/contacts.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/timeperiods.cfg /usr/local/nagios/etc/ob/
jects/timeperiods.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/localhost.cfg /usr/local/nagios/etc/obje
cts/localhost.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/windows.cfg /usr/local/nagios/etc/object/
s/windows.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/printer.cfg /usr/local/nagios/etc/object/
s/printer.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/switch.cfg /usr/local/nagios/etc/objects
/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.
```

```
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ sudo make install-commandmode
/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 ***
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$
```

[ec2-user@ip-172-31-8-148 nagios-4.4.9]\$ sudo nano /usr/local/nagios/etc/objects/contacts.cfg



```
ec2-user@ip-172-31-8-148:~/downloads
                                                                                                                       ×
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ sudo service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[ec2-user@ip-172-31-8-148 nagios-4.4.9]$ cd ~/downloads
[ec2-user@ip-172-31-8-148 downloads]$ tar zxvf nagios-plugins-2.0.3.tar.gz
nagios-plugins-2.0.3/
nagios-plugins-2.0.3/perlmods/
nagios-plugins-2.0.3/perlmods/Config-Tiny-2.14.tar.gz
nagios-plugins-2.0.3/perlmods/parent-0.226.tar.gz
nagios-plugins-2.0.3/perlmods/Test-Simple-0.98.tar.gz
nagios-plugins-2.0.3/perlmods/Makefile.in
nagios-plugins-2.0.3/perlmods/version-0.9903.tar.gz
nagios-plugins-2.0.3/perlmods/Makefile.am
nagios-plugins-2.0.3/perlmods/Module-Runtime-0.013.tar.gz
nagios-plugins-2.0.3/perlmods/Module-Metadata-1.000014.tar.gz
nagios-plugins-2.0.3/perlmods/Params-Validate-1.08.tar.gz
nagios-plugins-2.0.3/perlmods/Class-Accessor-0.34.tar.gz
nagios-plugins-2.0.3/perlmods/Try-Tiny-0.18.tar.gz
nagios-plugins-2.0.3/perlmods/Module-Implementation-0.07.tar.gz
nagios-plugins-2.0.3/perlmods/Makefile
nagios-plugins-2.0.3/perlmods/Perl-OSType-1.003.tar.gz
nagios-plugins-2.0.3/perlmods/install_order
nagios-plugins-2.0.3/perlmods/Nagios-Plugin-0.36.tar.gz
nagios-plugins-2.0.3/perlmods/Math-Calc-Units-1.07.tar.gz
nagios-plugins-2.0.3/perlmods/Module-Build-0.4007.tar.gz
nagios-plugins-2.0.3/ABOUT-NLS
nagios-plugins-2.0.3/configure.ac
nagios-plugins-2.0.3/Makefile.in
nagios-plugins-2.0.3/config.h.in
nagios-plugins-2.0.3/ChangeLog
nagios-plugins-2.0.3/AUTHORS
nagios-plugins-2.0.3/lib/
nagios-plugins-2.0.3/lib/parse_ini.h
```

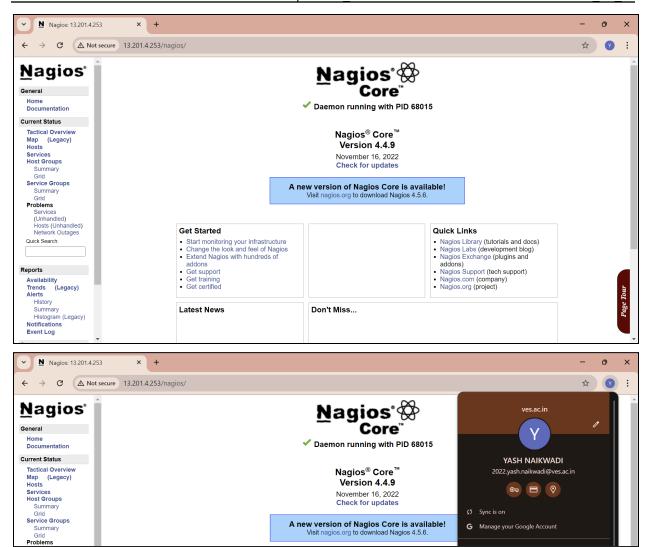
[ec2-user@ip-172-31-8-148 nagios-plugins-2.0.3]\$ make

[ec2-user@ip-172-31-8-148 nagios-plugins-2.0.3]\$ sudo make install

```
[ec2-user@ip-172-31-8-148 ~]$ sudo chkconfig --add nagios
error reading information on service nagios: No such file or directory
[ec2-user@ip-172-31-8-148 ~]$ sudo chkconfig nagios on
Note: Forwarding request to 'systemctl enable nagios.service'.
[ec2-user@ip-172-31-8-148 ~]$ sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg _
```

```
ec2-user@ip-172-31-8-148:~
                                                                                                                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.
        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
[ec2-user@ip-172-31-8-148 ~]$
```

```
ec2-user@ip-172-31-8-148:~
                                                                                                                                П
                                                                                                                                         ×
[ec2-user@ip-172-31-8-148 ~]$ sudo service nagios start
Redirecting to /bin/systemctl start nagios.service
[ec2-user@ip-172-31-8-148 ~]$ sudo systemctl status nagios
nagios.service - Nagios Core 4.4.9
     Loaded: loaded (/usr/lib/systemd/system/nagios.service; enabled; preset: disabled)
      Active: active (running) since Thu 2024-10-17 09:27:23 UTC; 12min ago
        Docs: https://www.nagios.org/documentation
   Main PID: 70109 (nagios)
      Tasks: 6 (limit: 1112)
     Memory: 6.8M
         CPU: 438ms
     CGroup: /system.slice/nagios.service
                 -70109 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
                -70110 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                —70111 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
—70112 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                -70113 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                70114 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
Oct 17 09:32:15 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: SERVICE ALERT: localhost;HTTP;WARNING;HARD;4
Oct 17 09:32:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: SERVICE ALERT: localhost;Swap Usage;CRITICAL
Oct 17 09:33:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: SERVICE ALERT: localhost;Swap Usage;CRITICAL
Oct 17 09:34:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: SERVICE NOTIFICATION: nagiosadmin;localhost;
Oct 17 09:34:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: SERVICE ALERT: localhost;Swap Usage;CRITICAL
Oct 17 09:34:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: wproc: NOTIFY job 4 from worker Core Worker
Oct 17 09:34:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: wproc: host=localhost; service=Swap Usage;
Oct 17 09:34:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: wproc:
                                                                                                 early_timeout=0; exited_ok=1; wait_
Oct 17 09:34:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: wproc: stderr line 01: /bin/sh: line 1: /b
Oct 17 09:34:45 ip-172-31-8-148.ap-south-1.compute.internal nagios[70109]: wproc: stderr line 02: /usr/bin/printf: wr
lines 1-26/26 (END)
[ec2-user@ip-172-31-8-148 ~]$
```



CONCLUSION:

Thus, we learned about Nagios and successfully set it up on our Linux machine. Nagios proves to be an effective tool for continuous monitoring, helping to detect and resolve issues quickly, ensuring system reliability and smooth operations.