Don Bosco Institute of Technology, Mumbai 400070 Department of Information Technology

Name: Irin Roche

Sem: 5, Branch: IT, Batch: 1

Experiment No.9 22_Irin Roche

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

1. Install and Configure Nagios Core

Step 1: Update the system packages. Sudo apt update and sudo apt upgrade:

```
irin@irin-VirtualBox:-$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following NEW packages will be installed:
    linux-headers-5.15.0-52 linux-headers-5.15.0-52-generic
    linux-image-5.15.0-52-generic linux-modules-5.15.0-52-generic
    linux-modules-extra-5.15.0-52-generic systemd-hwe-hwdb
The following packages have been kept back:
    gdb
The following packages will be upgraded:
    apt apt-utils bind9-dnsutils bind9-host bind9-libs cpp-11 dmidecode
    evolution-data-server evolution-data-server-common fonts-opensymbol
    fprintd gcc-11-base gcc-12-base ghostscript ghostscript-x
    gir1.2-gdkpixbuf-2.0 gir1.2-gnomedesktop-3.0 gir1.2-gtk-4.0
    gir1.2-javascriptcoregtk-4.0 gir1.2-webkit2-4.0 gjs
    gnome-control-center gnome-control-center-data
    gnome-control-center spome-desktop3-data gnome-remote-desktop
    gnome-shell gnome-shell-common gstreamer1.0-plpewire gztp
    intel-microcode isc-dhcp-client isc-dhcp-common libat-pkg6.0
    libcamel-1.2-63 libcdataserver-1.2-20 libedata-cal-2.0-1
    libedataserver-1.2-26 libedataserver-1.2-26 libedata-cal-2.0-1
    libgdk-pixbuf-2.0-0 libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common
    libgfortran5 libgj50g libgnome-bg-4-1 libgnome-desktop-3-19
    libgnome-desktop-4-1 libgomp1 libgs9 libgs9-common libgtk-4-1
    libgtk-4-bin libgtk-4-common libjavascriptcoregtk-4.0-18 libhsas
    libloth-5.34 libpipewire-0.3-0 libpipewire-0.3-common
    libpipewire-0.3-modules libpoppler-cplb8
    libpoppler-glb8
    libpoppler-glb8
```

Step 2: Install all the required packages

```
irin@irin-VirtualBox:-$ sudo apt install -y autoconf bc gawk dc build-essential gcc libc6 make wget u
nzip apache2 php libapache2-mod-php libgd-dev libmcrypt-dev make libssl-dev snmp libnet-snmp-perl get
text
[Sudo] password for irin:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
bc is already the newest version (1.07.1-3build1).
bc set to manually installed.
dc is already the newest version (1.07.1-3build1).
dc set to manually installed.
wget is already the newest version (1.21.2-2ubuntu1).
wget set to manually installed.
libc6 is already the newest version (2.35-0ubuntu3.1).
libc6 set to manually installed.
unzip is already the newest version (6.0-26ubuntu3.1).
unzip set to manually installed.
The following packages were automatically installed and are no longer required:
linux-headers-5.15.0-43 linux-headers-5.15.0-43-generic
linux-hoadles-extra-5.15.0-43-generic linux-modules-s-15.0-43-generic
Use 'sudo apt autoremove' to remove them.
The following packages will be installed:
apache2-bin apache2-data apache2-utils automake autotools-dev
binutils binutils-common binutils-x86-64-linux-gnu dpkg-dev
fakeroot g++ g+++11 gcc-11 libalgorithm-diff-perl
libalgorithm-diff-xs-perl libalgorithm-diff-perl
libapache2-mod-php8.1 libapr1 libaprutil1 libaprutil1-dbd-sqlite3
libaprutil1-ldap libasan6 libatomic1 libbinutils libbrotli-dev
libct-nobfd0 libctf0 libdeflate-dev libfontconfig-dev
libfraetupe.dev libfraetupe6.dev libfontconfig-dev
libfraetupe.dev libfraetupe6.dev libfontconfig-dev
libfraetupe.dev libfraetupe6.dev libfortconfig-dev
libfraetupe.dev libfraetupe6.dev libfortconfig-dev
libfraetupe.dev libfraetupe6.dev liboc-11.dev libice.dev libititit
```

Step 3: Download Nagios Core Setup files

```
irin@irin-VirtualBox:-$ mkdir nagios
irin@irin-VirtualBox:-$ cd nagios/
irin@irin-VirtualBox:-/nagios$ sudo wget https://assets.nagios.com/downloads/nagioscore/releases/nagi
os-4.4.6.tar.gz
--2022-10-25 12:07:31-- https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
Resolving assets.nagios.com (assets.nagios.com)... 45.79.49.120, 2600:3c00::f03c:92ff:fef7:45ce
Connecting to assets.nagios.com (assets.nagios.com)|45.79.49.120|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11333414 (11M) [application/x-gzip]
Saving to: 'nagios-4.4.6.tar.gz'
nagios-4.4.6.tar. 100%[===========] 10.81M 221KB/s in 65s
2022-10-25 12:08:38 (169 KB/s) - 'nagios-4.4.6.tar.gz' saved [11333414/11333414]
irin@irin-VirtualBox:-/nagios$ []
```

Step 4: Extract the downloaded files.

```
irin@irin-VirtualBox:~/nagios$ sudo tar -zxvf nagios-4.4.6.tar.gz
nagios-4.4.6/
nagios-4.4.6/.gitignore
nagios-4.4.6/.travis.yml
nagios-4.4.6/CONTRIBUTING.md
nagios-4.4.6/Changelog
nagios-4.4.6/INSTALLING
nagios-4.4.6/LEGAL
nagios-4.4.6/LICENSE
nagios-4.4.6/Makefile.in
nagios-4.4.6/README.md
nagios-4.4.6/THANKS
nagios-4.4.6/UPGRADING
nagios-4.4.6/aclocal.m4
nagios-4.4.6/autoconf-macros/
nagios-4.4.6/autoconf-macros/.gitignore
nagios-4.4.6/autoconf-macros/CHANGELOG.md
nagios-4.4.6/autoconf-macros/LICENSE
nagios-4.4.6/autoconf-macros/LICENSE.md
nagios-4.4.6/autoconf-macros/README.md
nagios-4.4.6/autoconf-macros/add_group_user
nagios-4.4.6/autoconf-macros/ax_nagios_get_distrib
nagios-4.4.6/autoconf-macros/ax_nagios_get_files
nagios-4.4.6/autoconf-macros/ax_nagios_get_inetd
nagios-4.4.6/autoconf-macros/ax_nagios_get_init
nagios-4.4.6/autoconf-macros/ax_nagios_get_os
nagios-4.4.6/autoconf-macros/ax_nagios_get_paths
nagios-4.4.6/autoconf-macros/ax_nagios_get_ssl
nagios-4.4.6/base/
nagios-4.4.6/base/.gitignore
nagios-4.4.6/base/Makefile.in
nagios-4.4.6/base/broker.c
nagios-4.4.6/base/checks.c
```

Step 5: Navigate to the setup directory and Run the Nagios Core configure script using

```
irin@irin-VirtualBox:~/nagios$ cd nagios-4.4.6
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ ll
total 616
drwxrwxr-x 20 root root
                              4096 Apr 29 2020
drwxrwxr-x 3 irin irin
-rwxrwxr-x 1 root root
                                4096 Oct 25 12:18
                                 346 Apr 29 2020 aclocal.m4*
drwxrwxr-x 2 root root
                                4096 Apr 29 2020 autoconf-macros/
                                4096 Apr 29 2020 base/
drwxrwxr-x 2 root root
drwxrwxr-x 2 root root
                                4096 Apr 29 2020 cgi/
-rw-rw-r-- 1 root root
drwxrwxr-x 2 root root
                               32590 Apr 29
                                                2020 Changelog
                                4096 Apr 29
                                                2020 common/
-rwxrwxr-x 1 root root
                               43765 Apr 29
                                                2020 config.guess*
-rwxrwxr-x 1 root root
                               36345 Apr 29
                                                2020 config.sub*
-rwxrwxr-x 1 root root 246354 Apr 29
-rw-rw-r-- 1 root root 29812 Apr 29
                                                2020 configure*
                              29812 Apr 29 2020 configure.ac
drwxrwxr-x 5 root root
                                4096 Apr 29 2020 contrib/
-rw-rw-r-- 1 root root
drwxrwxr-x 2 root root
-rw-rw-r-- 1 root root
                                                2020 CONTRIBUTING.md
                                6291 Apr 29
                                4096 Apr 29
886 Apr 29
                                                2020 docs/
                                                2020 doxy.conf
-rwxrwxr-x 1 root root
-rw-rw-r-- 1 root root
                                7025 Apr 29
509 Apr 29
                                                2020 functions*
                                                2020 .gitignore
                                                2020 html/
drwxrwxr-x 11 root root
                                4096 Apr 29
                                4096 Apr 29 2020 include/
77 Apr 29 2020 indent-a
drwxrwxr-x 2 root root
-rwxrwxr-x 1 root root
                                                2020 indent-all.sh*
                                 161 Apr 29
422 Apr 29
-rwxrwxr-x 1 root root
                                                2020 indent.sh*
                                                2020 INSTALLING
- FW- FW- F--
               1 root root
-rwxrwxr-x 1 root root
-rw-rw-r-- 1 root root
                                5869 Apr 29
841 Apr 29
                                                 2020 install-sh*
                                                2020 LEGAL
drwxrwxr-x 2 root root
-rw-rw-r-- 1 root root
-rw-rw-r-- 1 root root
                                4096 Apr 29
                                                2020 lib/
                               18002 Apr 29
                                                2020 LICENSE
                               16506 Apr 29
                                                2020 Makefile.in
-rwxrwxr-x 1 root root
-rwxrwxr-x 1 root root
                                 461 Apr 29 2020 make-tarball*
                                                2020 mkpackage*
                                  818 Apr 29
```

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo ./configure --with-httpd-conf=/etc/apache2/sites-ena
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 make sets s(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
```

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo make all
cd ./base && make
make[1]: Entering directory '/home/irin/nagios/nagios-4.4.6/base'
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o nagios.o nagios.c
nagios.c: In function 'main':
)program_start);
|
nagios.c:841:25: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_re
sult' [-Wunused-result]
841 |
                                    asprintf(&mac->x[MACRO_EVENTSTARTTIME], "%llu", (unsigned long long)e
nagios.c: In function 'nagios_core_worker':
nagios.c:176:17: warning: ignoring return value of 'read' declared with attribute 'warn_unused_result'
' [-Wunused-result]
  176
nagios.c: In function 'test_path_access':
nagios.c:122:17: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_re
sult' [-Wunused-result]
  122
                           asprintf(&path, "%s/%s", p, program);
gcc -Wall -I.. -g -02 -DHAVE_CONFIG_H -DNSCORE -c -o broker.o broker.c
gcc -Wall -I.. -g -02 -DHAVE_CONFIG_H -DNSCORE -c -o nebmods.o nebmods.c
```

Step 6: Compile the main program and CGIs using sudo make all and make and install group and user.

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo make install-groups-users
groupadd -r nagios
useradd -g nagios nagios
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo usermod -a -G nagios www-date
usermod: user 'www-date' does not exist
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo usermod -a -G nagios www-data
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$
```

Step 7: Add www-data directories user to the nagios group and install Nagios

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo make install-groups-users
groupadd -r nagios
useradd -g nagios nagios
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo usermod -a -G nagios www-date
usermod: user 'www-date' does not exist
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo usermod -a -G nagios www-data
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$
```

Step 8: Initialize all the installation configuration scripts.

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ 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
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ []
```

Step 9: Install and configure permissions on the configs' directory and install sample config files

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo make install-commandmode
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/var/rw
chmod g+s /usr/local/nagios/var/rw

*** External command directory configured ***
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ []
```

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ 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/nagi
os.cfq
/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/re
source.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/templates.cfg /usr/lo
cal/nagios/etc/objects/templates.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/commands.cfg /usr/loc
al/nagios/etc/objects/commands.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/contacts.cfg /usr/loc
al/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/timeperiods.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/localhost.cfg /usr/lo
cal/nagios/etc/objects/localhost.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/windows.cfg /usr/loca
l/nagios/etc/objects/windows.cfg
/usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/printer.cfg /usr/loca l/nagios/etc/objects/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.
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$
```

Step 10: Install apache files. Enable apache rewrite mode and CGI config.

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo a2enmod rewrite cgi
Enabling module rewrite.
Enabling module cgi.
To activate the new configuration, you need to run:
    systemctl restart apache2
    irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ []
```

Step 11: Restart the Apache service and then create a user and set the password when prompted.

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nag
iosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ []
```

2. Install Nagios Plugins Step 1: Download the Nagios Core plugin.

```
os-4.4.6$ sudo apt install monitoring-plugins nagios-nrpe-plugin -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
 The following packages were automatically installed and are no longer required:
    linux-headers-5.15.0-43 linux-headers-5.15.0-43-generic linux-image-5.15.0-43-generic
linux-modules-5.15.0-43-generic linux-modules-extra-5.15.0-43-generic
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
libdbil libmysqlclient21 libpq5 libradcli4 liburiparser1 monitoring-plugins-basic
   monitoring-plugins-common monitoring-plugins-standard mysql-common python3-gpg python3-samba
   python3-tdb rpcbind samba-common samba-common-bin samba-dsdb-modules smbclient
 Suggested packages:
   icinga2 nagios-plugins-contrib fping postfix | sendmail-bin | exim4-daemon-heavy | exim4-daemon-light qstat heimdal-clients python3-markdown python3-dnspython cifs-utils
 The following NEW packages will be installed:

libdbi1 libmysqlclient21 libpq5 libradcli4 liburiparser1 monitoring-plugins
   monitoring-plugins-basic monitoring-plugins-common monitoring-plugins-standard mysql-common
   nagios-nrpe-plugin python3-gpg python3-samba python3-tdb rpcbind samba-common samba-common-bin
samba-dsdb-modules smbclient
0 upgraded, 19 newly installed, 0 to remove and 1 not upgraded.
Need to get 6,872 kB of archives.
After this operation, 39.2 MB of additional disk space will be used.

Get:1 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 rpcbind amd64 1.2.6-2build1 [46.6 kB]

Get:2 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 samba-common all 2:4.15.9+dfsg-0ub
untu0.2 [7.5 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 smbclient amd64 2:4.15.9+dfsg-0ubuntu0.2 [470 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 libdbi1 amd64 0.9.0-6build2 [26.6 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 mysql-common all 5.8+1.0.8 [7,212 B]
Get:6 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libmysqlclient21 amd64 8.0.31-0ubu
```

```
irin@irin-VirtualBox:~/nagios/nagios-4.4.6$ cd /usr/local/nagios/etc/
irin@irin-VirtualBox:/usr/local/nagios/etc$ ll

total 84
drwxrwxr-x 3 nagios nagios 4096 Oct 25 12:33 ./
drwxr-xr-x 8 root root 4096 Oct 25 12:30 ../
-rw-rw-r-- 1 nagios nagios 13710 Oct 25 12:30 cgi.cfg
-rw-r---- 1 root root 50 Oct 25 12:33 htpasswd.users
-rw-rw-r-- 1 nagios nagios 45843 Oct 25 12:30 nagios.cfg
drwxrwxr-x 2 nagios nagios 4096 Oct 25 12:30 objects/
-rw-rw---- 1 nagios nagios 1312 Oct 25 12:30 resource.cfg
irin@irin-VirtualBox:/usr/local/nagios/etc$
```

```
irin@irin-VirtualBox:/usr/local/nagios/etc$ sudo vim nagios.cfg
irin@irin-VirtualBox:/usr/local/nagios/etc$ sudo mkdir servers printers switches routers
irin@irin-VirtualBox:/usr/local/nagios/etc$ ll

total 168
drwxrwxr-x 7 nagios nagios 4096 Oct 25 13:21 ./
drwxr-xr-x 8 root root 4096 Oct 25 12:30 ../
-rw-rw-r- 1 nagios nagios 13710 Oct 25 13:08 cgi.cfg
-rw-rw-r- 1 nagios nagios 13710 Oct 25 12:30 cgi.cfg
-rw-rw-r- 1 nagios nagios 45841 Oct 25 12:30 phtpasswd.users
-rw-rw-r- 1 nagios nagios 45843 Oct 25 13:20 nagios.cfg
-rw-rw-r- 1 nagios nagios 45843 Oct 25 12:30 nagios.cfg
-rw-rw-r- 2 nagios nagios 4096 Oct 25 13:08 objects/
drwxr-xr-x 2 root root 4096 Oct 25 13:21 printers/
-rw-rw--- 1 nagios nagios 1312 Oct 25 13:08 resource.cfg
-rw-rw--- 1 nagios nagios 1312 Oct 25 13:08 resource.cfg
drwxr-xr-x 2 root root 4096 Oct 25 13:21 servers/
drwxr-xr-x 2 root root 4096 Oct 25 13:21 servers/
drwxr-xr-x 2 root root 4096 Oct 25 13:21 servers/
drwxr-xr-x 2 root root 4096 Oct 25 13:21 switches/
irin@irin-VirtualBox:/usr/local/nagios/etc$
```

Step 2: Start the Nagios service and enable Nagios service to run at system startup.

```
irin@irin-VirtualBox:-$ sudo systemctl restart apache2
irin@irin-VirtualBox:-$ sudo systemctl restart nagios
irin@irin-VirtualBox:-$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
irin@irin-VirtualBox:-$
```

```
irin@irin-VirtualBox:-$ sudo systemctl enable nagios
Created symlink /etc/systemd/system/multi-user.target.wants/nagios.service →/lib/systemd/system/nagios.service.
irin@irin-VirtualBox:-$ □
```

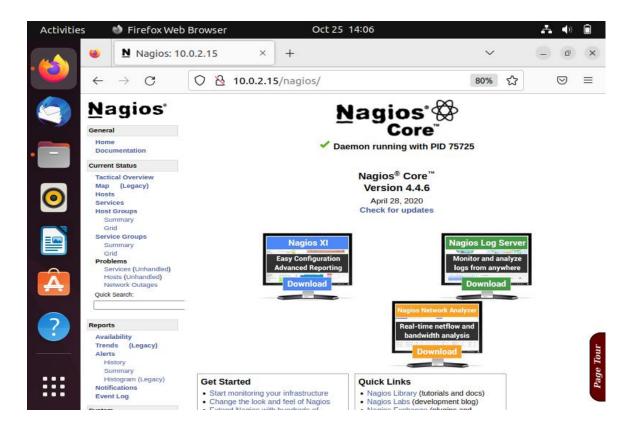
```
tualBox:-$ sudo systemctl enable nagios
Created symlink /etc/systemd/system/multi-user.target.wants/nagios.service →/lib/systemd/system/nagi
os.service.
irin@irin-VirtualBox:~$ sudo systemctl status apache2
apache2.service - The Apache HTTP Server
       Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor pres>
       Active: active (running) since Tue 2022-10-25 13:46:13 IST; 3min 34s ago
    Docs: https://httpd.apache.org/docs/2.4/
Main PID: 75713 (apache2)
       Tasks: 6 (limit: 5538)
Memory: 10.2M
           CPU: 175ms
                  /system.slice/apache2.service

—75713 /usr/sbin/apache2 -k start

—75714 /usr/sbin/apache2 -k start
       CGroup:
                    -75715 /usr/sbin/apache2 -k start
-75716 /usr/sbin/apache2 -k start
                    -75717 /usr/sbin/apache2 -k start
                   -75718 /usr/sbin/apache2 -k start
Oct 25 13:46:13 irin-VirtualBox systemd[1]: Starting The Apache HTTP Server...
Oct 25 13:46:13 irin-VirtualBox apachectl[75712]: AH00558: apache2: Could not >
Oct 25 13:46:13 irin-VirtualBox systemd[1]: Started The Apache HTTP Server.
irin@irin-VirtualBox:~$
```

4. Access Nagios Web Interface Open your web browser and access Nagios web interface via the URL http://ServerIP/nagios.

```
irin@irin-VirtualBox:~$ sudo systemctl status nagios
 nagios.service - Nagios Core 4.4.6
       Loaded: loaded (/lib/systemd/system/nagios.service; enabled; vendor preset: enabled)
       Active: active (running) since Tue 2022-10-25 13:46:47 IST; 7min ago Docs: https://www.nagios.org/documentation
    Main PID: 75725 (nagios)
        Tasks: 11 (limit: 5538)
       Memory: 4.0M
          CPU: 703ms
       CGroup: /system.slice/nagios.service
                   -75725 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
                   -75726 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                   -75727 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-75728 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                   -75729 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-75730 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                   –75731 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
–75732 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                  —75733 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
—75734 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
—75735 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
Oct 25 13:46:47 irin-VirtualBox nagios[75725]: wproc: Registry request: name=Core Worker 75726;pid=7
irin@irin-VirtualBox:~$
```



Successfully Installed and Configured Nagios Plugins

Reference:

https://www.vultr.com/de/docs/install-nagios-on-ubuntu-20-

<u>04/?lang=de&utm_source=performancemaxapac&utm_medium=paidmedia&obility_i</u> d=16876059738&utm_adgroup=&utm_campaign=&utm_term

<u>=&utm_content=&gclid=Cj0KCQjwyOuYBhCGARIsAIdGQRO6LONSLKjtHlQs1s</u> mDa4yHgeTmA1meVkPAToKqKrekrNzvsNbFiAaAjUMEALw_wc