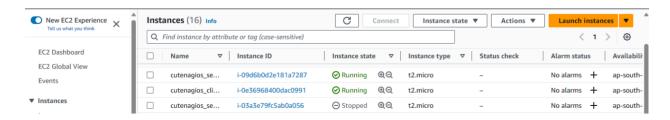
# Screenshots for Experiment 10

```
e nagios.service - Nagios Core 4.4.14
Loaded: loaded (/lib/system/nagios.service; enabled; vendor preset: enabled)
Active: active (running) since Sat 2023-09-30 08:54:01 UTC; 20s ago
Docs: https://www.nagios.org/documentation
Process: 55286 ExecStartPre=/usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
Process: 55286 ExecStart=/usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg (code=exited, status=0/SUCCESS)
Main PID: 55287 (nagios)
Tasks: 6 (limit: 1141)
Memory: 5.3M
CPU: 252ms
CGroup: /system.slice/nagios.service
-55287 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
-55288 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-55289 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-55291 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
-55292 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
```

Monitoring a Linux machine, create an Ubuntu 20.04 server EC2 Instance in AWS.



sudo apt update -y sudo apt install gcc -y sudo apt install -y nagios-nrpe-server nagios-plugins

```
ast login: Sat Sep 30 08:31:30 2023 from 13.233.177.3
abuntu@ip-172-31-44-151:~$ sudo apt install gcc -y
leading package lists... Done
Building dependency tree... Done
cc is already the newest version (4:11.2.0-lubuntul). cc set to manually installed.
 upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
  ot@ip-172-31-44-151:/home/ubuntu# sudo apt install nagios-nrpe-server nagios-plugins
  ading package lists... Done
uilding dependency tree... Done
leading state information... Done
lote, selecting 'monitoring-plugins' instead of 'nagios-plugins'
 onitoring-plugins is already the newest version (2.3.1-lubuntu4).
agios-nrpe-server is already the newest version (4.0.3-lubuntu2). upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
 etched 229 kB in 1s (290 kB/s)
 eading package lists... Done
uilding dependency tree... Done
 eading state information... Done
packages can be upgraded. Run 'apt list --upgradable' to s
oot@ip-172-31-44-151:/home/ubuntu# sudo apt install gcc -y
 eading package lists... Done uilding dependency tree... Done
 eading state information... Done

cc is already the newest version (4:11.2.0-lubuntul).

upgraded, 0 newly installed, 0 to remove and 2 not upgraded.

oot@ip-172-31-44-151:/home/ubuntu# sudo apt install -y nagios-nrpe-server nagios-plugins
 ootelp-1/2-31-44-1511/nome/upuntu# sudo apt install -y haglos-
eading package lists... Done
ullding dependency tree... Done
eading state information... Done
ote, selecting 'monitoring-plugins' instead of 'nagios-plugins'
  onitoring-plugins is already the newest version (2.3.1-lubuntu4).

gios-nrpe-server is already the newest version (4.0.3-lubuntu2).

upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
```

# sudo nano /etc/nagios/nrpe.cfg

# sudo systemctl restart nagios-nrpe-server

```
Restarting services...

Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart systemctl.ogind.service
systemctl restart systemchlogind.service
systemctl restart systemchlogind.service
systemctl restart unattended-upgrades.service
systemctl restart unattended-upgrades.service
systemctl restart userf81000.service

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-41-41:/home/ubuntu# sudo nano /etc/nagios/nrpe.cfg
root@ip-172-31-41-41:/home/ubuntu# sudo nano /etc/nagios/nrpe.cfg
root@ip-172-31-41-41:/home/ubuntu# sudo systemctl restart nagios-nrpe-server
root@ip-172-31-41-41:/home/ubuntu# sudo systemctl restart nagios-nrpe-server
root@ip-172-31-41-41:/home/ubuntu# sudo systemctl status nagios-nrpe-server
root@ip-172-31-41-41:/home/ubuntu# sudo systemctl status nagios-nrpe-server
```

```
oot@ip-172-31-41-41:/home/ubuntu# sudo systemctl status nagios-nrpe-server
 nagios-nrpe-server.service - Nagios Remote Plugin Executor
     Loaded: loaded (/lib/systemd/system/nagios-nrpe-server.service; enabled; vendor preset: enabled)
     Active: active (running) since Sat 2023-09-30 09:27:17 UTC; 6s ago
      Docs: http://www.nagios.org/documentation
  Main PID: 7349 (nrpe)
     Memory: 1.5M
       CPU: 9ms
     CGroup: /system.slice/nagios-nrpe-server.service
             └7349 /usr/sbin/nrpe -c /etc/nagios/nrpe.cfg -f
Sep 30 09:27:17 ip-172-31-41-41 systemd[1]: nagios-nrpe-server.service: Deactivated successfully.
Sep 30 09:27:17 ip-172-31-41-41 systemd[1]: Stopped Nagios Remote Plugin Executor.
   30 09:27:17 ip-172-31-41-41 systemd[1]: Started Nagios Remote Plugin Executor.
Sep 30 09:27:17 ip-172-31-41-41 nrpe[7349]: Starting up daemon
Sep 30 09:27:17 ip-172-31-41-41 nrpe[7349]: Server listening on 0.0.0.0 port 5666.
Sep 30 09:27:17 ip-172-31-41-41 nrpe[7349]: Listening for connections on port 5666
Sep 30 09:27:17 ip-172-31-41-41 nrpe[7349]: Allowing connections from: 127.0.0.1,::1,13.235.0.144 root@ip-172-31-41-41:/home/ubuntu#
```

### ps -ef | grep nagios

```
1 0 08:54 ?
                                             00:00:00 /usr/local/r
                                                                         s/bin/n
                                                                                  gios -d /usr/local/n
                                                                                                         gios/etc/n
                                                                                   ios --worker /usr/local/nagios/var/rw/r
ios --worker /usr/local/nagios/var/rw/r
                                                                        os/bin/n
                                             00:00:00 /usr/local/nag
                                                                          /bin/r
                                                                                                                   s/var/rw/r
                                                                                      --worker /usr/local/magios/var/rw/r
                  55287 0 08:54 ?
                                             00:00:00 /usr/local/
                                                                         s/bin/n
                                             00:00:00 grep --color=auto
oot@ip-172-31-44-151:/home/ubuntu# sudo su
ot@ip-172-31-44-151:/home/ubuntu# mkdir /usr/local/nagios/etc/objects/monitorhosts
      -172-31-44-151:/home/ubuntu# mkdir /usr/local/nagios/etc/objects/monitorhosts/linuxhost
```

1.sudo su 2.mkdir /usr/local/nagios/etc/objects/monitorhosts 3.mkdir

/usr/local/nagios/etc/objects/monitorhosts/linuxhosts Copy the sample localhost.cfg file to linuxhost folder 4.cp /usr/local/nagios/etc/objects/localhost.cfg /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg

```
root@ip-172-31-44-151:/home/ubuntu# nano /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg
root@ip-172-31-44-151:/home/ubuntu# /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg

Nagios Core 4.4.14
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Last Modified: 2023-08-01
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...

Checked 8 services.
Checked 1 hosts.
Checked 1 host groups.
```

```
Checked 1 contacts.
Checked 24 commands.
Checked 5 time periods.
Checked 0 host escalations.
Checked 0 service escalations.
Checked 1 hosts
Checked 1 hosts
Checked 1 hosts
Checked 0 service dependencies
Checked 0 service dependencies
Checked 0 service dependencies
Checked 0 service dependencies
Checked 0 timeperiods
Checking global event handlers...
Checking misc settings...
Total Warnings: 0
Total Errors: 0

Things look okay - No serious problems were detected during the pre-flight check
root@ip-172-31-44-151:/home/ubuntu# nano /usr/local/nagios/etc/nagios.cfg
```

### Sudo systemctl status nagios





