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Class: D15B

Roll: 62

## Experiment 10

```
ubuntu@ip-172-31-36-186: ~  
Setting up binutils (2.42-4ubuntu2) ...  
Setting up gcc-13 (13.2.0-23ubuntu4) ...  
Setting up cpp (4:13.2.0-7ubuntu1) ...  
Setting up gcc-x86-64-linux-gnu (4:13.2.0-7ubuntu1) ...  
Setting up gcc (4:13.2.0-7ubuntu1) ...  
Setting up libheif-plugin-aomdec:amd64 (1.17.6-1ubuntu4) ...  
Setting up libheif1:amd64 (1.17.6-1ubuntu4) ...  
Setting up libheif-plugin-libde265:amd64 (1.17.6-1ubuntu4) ...  
Setting up libheif-plugin-aomenc:amd64 (1.17.6-1ubuntu4) ...  
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...  
Processing triggers for man-db (2.12.0-4build2) ...  
Processing triggers for sgml-base (1.31) ...  
Setting up libfontconfig1:amd64 (2.15.0-1.1ubuntu2) ...  
Setting up libgd3:amd64 (2.3.3-9ubuntu5) ...  
Setting up libc-devtools (2.39-0ubuntu8.3) ...  
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...  
Scanning processes...  
Scanning linux images...  
  
Running kernel seems to be up-to-date.  
  
No services need to be restarted.  
  
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No user sessions are running outdated binaries.  
  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
ubuntu@ip-172-31-36-186:~$
```

```
perl-threads-shared-1.61-458.amzn2023.0.2.x86_64  
perl-utils-5.32.1-477.amzn2023.0.6.noarch  
perl-version-7:0.99.29-1.amzn2023.0.2.x86_64  
perl-vmsish-1.04-477.amzn2023.0.6.noarch  
python3-pyparsing-2.4.7-6.amzn2023.0.2.noarch  
sombok-2.4.0-14.amzn2023.0.2.x86_64  
systemtap-sdt-devel-4.8-3.amzn2023.0.6.x86_64  
  
Complete!  
[ec2-user@ip-172-31-36-178 ~]$ cd /tmp  
wget --no-check-certificate -O nrpe.tar.gz https://github.com/NagiosEnterprises/nrpe/archive/nrpe-4.0.3  
.tar.gz  
--2024-10-15 11:09:09-- https://github.com/NagiosEnterprises/nrpe/archive/nrpe-4.0.3.tar.gz  
Resolving github.com (github.com)... 140.82.114.4  
Connecting to github.com (github.com)|140.82.114.4|:443... connected.  
HTTP request sent, awaiting response... 302 Found  
Location: https://codeload.github.com/NagiosEnterprises/nrpe/tar.gz/refs/tags/nrpe-4.0.3 [following]  
--2024-10-15 11:09:09-- https://codeload.github.com/NagiosEnterprises/nrpe/tar.gz/refs/tags/nrpe-4.0.3  
Resolving codeload.github.com (codeload.github.com)... 140.82.112.9  
Connecting to codeload.github.com (codeload.github.com)|140.82.112.9|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: unspecified [application/x-gzip]  
Saving to: 'nrpe.tar.gz'  
  
nrpe.tar.gz [ <=> ] 511.92K --.-KB/s in 0.03s  
  
2024-10-15 11:09:09 (16.3 MB/s) - 'nrpe.tar.gz' saved [524202]  
  
[ec2-user@ip-172-31-36-178 tmp]$
```

\*\*\* Configuration summary for nrpe 4.0.3 2020-04-28 \*\*\*:

General Options:

-----  
NRPE port: 5666  
NRPE user: nagios  
NRPE group: nagios  
Nagios user: nagios  
Nagios group: nagios

Review the options above for accuracy. If they look okay,  
type 'make all' to compile the NRPE daemon and client  
or type 'make' to get a list of make options.

```
cd ./src/; make
make[1]: Entering directory '/tmp/nrpe-nrpe-4.0.3/src'
gcc -g -O2 -DHAVE_CONFIG_H -I ../include -I ../include -o nrpe ./nrpe.c ./utils.c ./acl.c
gcc -g -O2 -DHAVE_CONFIG_H -I ../include -I ../include -o check_nrpe ./check_nrpe.c ./utils.c
make[1]: Leaving directory '/tmp/nrpe-nrpe-4.0.3/src'
```

\*\*\* Compile finished \*\*\*

You can now continue with the installation or upgrade process.

Read the PDF documentation (docs/NRPE.pdf) for information on the next  
steps you should take to complete the installation or upgrade.

[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]\$ |

---

# service-name port/protocol [aliases ...] [# comment]

```
:cpmux      1/tcp      # TCP port service multiplexer
:cpmux      1/udp      # TCP port service multiplexer
:je         5/tcp      # Remote Job Entry
:je         5/udp      # Remote Job Entry
:cho        7/tcp
:cho        7/udp
:liscard     9/tcp      sink null
:liscard     9/udp      sink null
# Nagios services
nrpe        5666/tcp
:ystat      11/tcp      users
:ystat      11/udp      users
:laytime    13/tcp
:laytime    13/udp
:otd        17/tcp      quote
:otd        17/udp      quote
:hargen     19/tcp      ttytst source
:hargen     19/udp      ttytst source
:tp-data    20/tcp
:tp-data    20/udp
# 21 is registered to ftp, but also used by fsp
:tp         21/tcp
:tp         21/udp      fsp fspd
```

⌘ Help	⌘ Write Out	⌘ Where Is	⌘ Cut	⌘ Execute	⌘ Location	⌘ Undo
⌘ Exit	⌘ Read File	⌘ Replace	⌘ Paste	⌘ Justify	⌘ Go To Line	⌘ Redo

```
root@ip-172-31-42-101:/usr/local/nagios/etc/objects
GNU nano 5.8 client.cfg Modified

# Define a service to check the number of currently running procs
# on the local machine. Warning if > 250 processes, critical if
# > 400 processes.

define service {

    use                local-service                ; Name of service template to use
    host_name          Clinet-Node
    service_description Total Processes
    check_command       check_local_procs!250!400!RSZDT
}

# Define a service to check the load on the local machine.

define service {

    use                local-service                ; Name of service template to use
    host_name          Clinet-Node
    service_description Current Load
    check_command       check_local_load!5.0,4.0,3.0!10.0,6.0,4.0

  Help      Write Out  Where Is  Cut      Execute  Location  M-U  Undo
  Exit      Read File  Replace   AU       Paste    Go To Line M-E  Redo

ec2-user@ip-172-31-36-178:/tmp/nrpe-nrpe-4.0.3

[1]+  Stopped                  sudo vi /usr/local/nagios/etc/nrpe.cfg
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ sudo vi /usr/local/nagios/etc/nrpe.cfg
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ sudo nano /usr/local/nagios/etc/nrpe.cfg
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ sudo systemctl restart nrpe.service
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ sudo systemctl status nrpe.service
● nrpe.service - Nagios Remote Plugin Executor
   Loaded: loaded (/usr/lib/systemd/system/nrpe.service; enabled; preset: disabled)
   Active: active (running) since Tue 2024-10-15 11:22:29 UTC; 51s ago
     Docs: http://www.nagios.org/documentation
   Main PID: 36116 (nrpe)
    Tasks: 1 (limit: 1112)
   Memory: 248.0K
      CPU: 4ms
   CGroup: /system.slice/nrpe.service
           └─36116 /usr/local/nagios/bin/nrpe -c /usr/local/nagios/etc/nrpe.cfg -f

Oct 15 11:22:29 ip-172-31-36-178.ec2.internal systemd[1]: Stopped nrpe.service - Nagios Remote Plugin
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal systemd[1]: Started nrpe.service - Nagios Remote Plugin
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal nrpe[36116]: Starting up daemon
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal nrpe[36116]: Server listening on 0.0.0.0 port 5666.
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal nrpe[36116]: Server listening on :: port 5666.
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal nrpe[36116]: Listening for connections on port 5666
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal nrpe[36116]: Allowing connections from: 127.0.0.1,:::1,54
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ /usr/local/nagios/libexec/check_nrpe -H 18.234.228.215
CHECK_NRPE: Receive header underflow - only -1 bytes received (4 expected).
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ /usr/local/nagios/libexec/check_nrpe -H 127.0.0.1
NRPE v4.0.3
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$
```

```
root@ip-172-31-42-101:/usr/local/nagios/etc/objects
Last login: Tue Oct 15 11:01:19 2024 from 171.48.81.227
[ec2-user@ip-172-31-42-101 ~]$ sudo su
[root@ip-172-31-42-101 ec2-user]# echo Sushant
Sushant
[root@ip-172-31-42-101 ec2-user]# sudo nano /usr/local/nagios/etc/nagios.cfg
[root@ip-172-31-42-101 ec2-user]# cd /usr/local/nagios/etc/objects
sudo cp localhost.cfg client.cfg
sudo chown nagios:nagios client.cfg
[root@ip-172-31-42-101 objects]# ls -lo
total 60
-rw-r--r--. 1 nagios 4777 Oct 15 11:26 client.cfg
-rw-rw-r--. 1 nagios 6747 Oct 15 08:26 commands.cfg
-rw-rw-r--. 1 nagios 1797 Oct 15 08:26 contacts.cfg
-rw-rw-r--. 1 nagios 4777 Oct 15 08:26 localhost.cfg
-rw-rw-r--. 1 nagios 3001 Oct 15 08:26 printer.cfg
-rw-rw-r--. 1 nagios 3484 Oct 15 08:26 switch.cfg
-rw-rw-r--. 1 nagios 12533 Oct 15 08:26 templates.cfg
-rw-rw-r--. 1 nagios 3512 Oct 15 08:26 timeperiods.cfg
-rw-rw-r--. 1 nagios 4074 Oct 15 08:26 windows.cfg
[root@ip-172-31-42-101 objects]# sudo node client.cfg
sudo: node: command not found
[root@ip-172-31-42-101 objects]# sudo nano client.cfg
[root@ip-172-31-42-101 objects]# sudo systemctl restart nagios
[root@ip-172-31-42-101 objects]#

ec2-user@ip-172-31-36-178:~
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal nrpe[36116]: Listening for connections on port 5666
Oct 15 11:22:29 ip-172-31-36-178.ec2.internal nrpe[36116]: Allowing connections from: 127.0.0.1:::1,54
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ /usr/local/nagios/libexec/check_nrpe -H 18.234.228.215
CHECK_NRPE: Receive header underflow - only -1 bytes received (4 expected).
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ /usr/local/nagios/libexec/check_nrpe -H 127.0.0.1
NRPE v4.0.3
[ec2-user@ip-172-31-36-178 nrpe-nrpe-4.0.3]$ client_loop: send disconnect: Connection reset by peer

susha@DESKTOP-TUH3NL7 MINGW64 ~/Desktop
$ ssh -i "exp_9.pem" ec2-user@18.234.228.215
#
##### Amazon Linux 2023
#####\
#####\
###|
#\
V~' '-> https://aws.amazon.com/linux/amazon-linux-2023
~/m/'

Last login: Tue Oct 15 11:07:31 2024 from 171.48.81.227
[ec2-user@ip-172-31-36-178 ~]$ cd nrpe-nrpe-4.0.3
-bash: cd: nrpe-nrpe-4.0.3: No such file or directory
[ec2-user@ip-172-31-36-178 ~]$ ls
[ec2-user@ip-172-31-36-178 ~]$ sudo systemctl enable nrpe.service
sudo systemctl start nrpe.service
[ec2-user@ip-172-31-36-178 ~]$ /usr/local/nagios/libexec/check_nrpe -H 127.0.0.1
NRPE v4.0.3
[ec2-user@ip-172-31-36-178 ~]$
```

Nagios: 54.162.15.187

Not secure 54.162.15.187/nagios/

Downloads YouTube Online Shopping sit... Games List - AIMH... Watch Live Sports T... Adobe Acrobat Home Strivers A2Z DSA Co... SD Movies Point - F... hianime.to FitGirl Repacks - Th... All Bookmarks

Nagios®

General

Home

Documentation

Current Status

Tactical Overview

Map (Legacy)

Hosts

Services

Host Groups

Summary

Grid

Service Groups

Summary

Grid

Problems

Services (Unhandled)

Hosts (Unhandled)

Network Outages

Quick Search:

Reports

Availability

Trends (Legacy)

Alerts

History

Summary

Histogram (Legacy)

Notifications

Event Log

System

Comments

Downtime

Process Info

Performance Info

Scheduling Queue

Configuration

Current Network Status

Last Updated: Tue Oct 15 11:39:15 UTC 2024

Updated every 30 seconds

Nagios® Core™ 4.4.6 - www.nagios.org

Logged in as nagiosadmin

View Service Status Detail For All Host Groups

View Status Overview For All Host Groups

View Status Summary For All Host Groups

View Status Grid For All Host Groups

Host Status Totals

Up Down Unreachable Pending

2 0 0 0

All Problems All Types

0 2

Service Status Totals

Ok Warning Unknown Critical Pending

7 1 0 1 7

All Problems All Types

2 16

Host Status Details For All Host Groups

Limit Results: 100

Host	Status	Last Check	Duration	Status Information
Clinet-Node	UP	10-15-2024 11:38:15	0d 0h 1m 0s+	PING OK - Packet loss = 0%, RTA = 1.27 ms
localhost	UP	10-15-2024 11:37:17	0d 3h 12m 14s	PING OK - Packet loss = 0%, RTA = 0.03 ms

Results 1 - 2 of 2 Matching Hosts

Page Tour