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ADV DEVOPS PRACTICAL 10

Aim: To perform Port, Service monitoring, Windows/Linux server monitoring using Nagios.

Steps:

Prerequisites: AWS Free Tier, Nagios Server running on Amazon Linux Machine.

1. To Confirm that Nagios is running **on the server side**, run this *sudo systemctl status nagios* on the “NAGIOS HOST”.

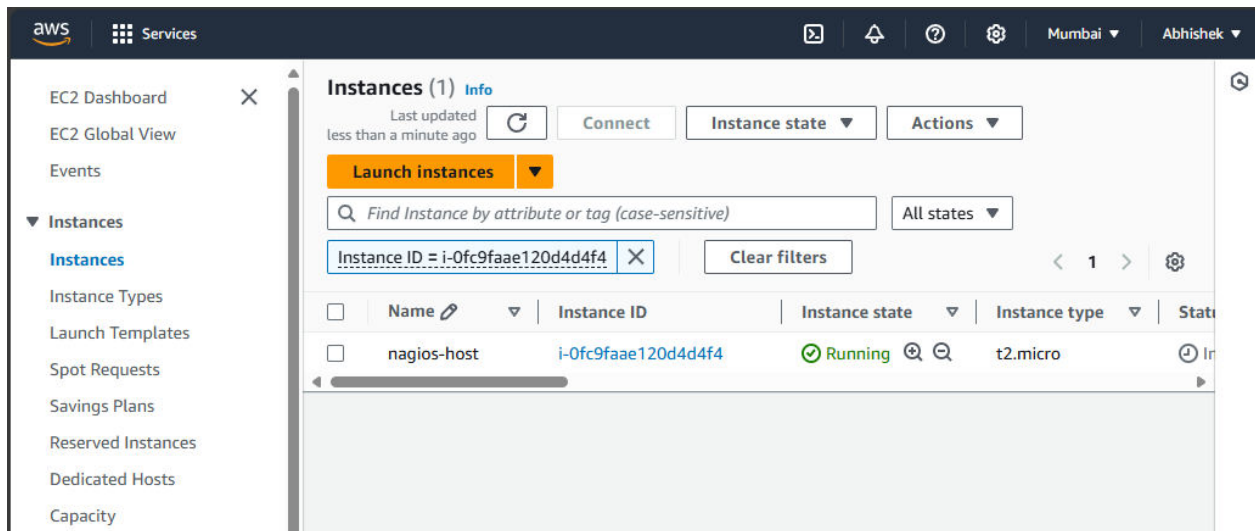
```
Starting nagios (via systemctl): [ OK ]
[ec2-user@ip-172-31-44-218 nagios-plugins-2.0.3]$ sudo systemctl status nagios
● nagios.service - LSB: Starts and stops the Nagios monitoring server
   Loaded: loaded (/etc/rc.d/init.d/nagios; generated)
   Active: active (running) since Sat 2024-10-12 09:59:46 UTC; 51s ago
     Docs: man:systemd-sysv-generator(8)
  Process: 66468 ExecStart=/etc/rc.d/init.d/nagios start (code=exited, status=0/SUCCESS)
    Tasks: 6 (limit: 1112)
   Memory: 2.1M
      CPU: 51ms
   CGroup: /system.slice/nagios.service
           └─66490 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
           └─66492 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─66493 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─66494 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
           └─66495 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
```

You can proceed if you get this message.

2. Before we begin,

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

Provide it with the same security group as the Nagios Host and name it ‘linux-client’ alongside the host.



For now, leave this machine as is, and go back to your nagios HOST machine.

3. On the server, run this command

```
ps -ef | grep nagios
```

```
Oct 12 10:00:35 ip-172-31-44-218.ec2.internal nagios[66490]: Error: Unable to create temp file '/usr/local/nagios/var/nagios.tmpGAHZhK'
lines 1-26/26 (END)
[ec2-user@ip-172-31-44-218 nagios-plugins-2.0.3]$ ps -ef | grep nagios
nagios 66490 1 0 09:59 ? 00:00:00 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
nagios 66492 66490 0 09:59 ? 00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios 66493 66490 0 09:59 ? 00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios 66494 66490 0 09:59 ? 00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios 66495 66490 0 09:59 ? 00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios 66496 66490 0 09:59 ? 00:00:00 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
ec2-user 69105 2589 0 10:44 pts/0 00:00:00 grep --color=auto nagios
[ec2-user@ip-172-31-44-218 nagios-plugins-2.0.3]$
```

4. Become a root user and create 2 folders

```
sudo su
mkdir /usr/local/nagios/etc/objects/monitorhosts
mkdir /usr/local/nagios/etc/objects/monitorhosts/linuxhosts
```

5. Copy the sample localhost.cfg file to linuxhost folder

```
cp /usr/local/nagios/etc/objects/localhost.cfg
/usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg6.
```

Open linuxserver.cfg using nano and make the following changes

```
nano
/usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg
```

Change the hostname to linuxserver (EVERYWHERE ON THE FILE)

Change address to the public IP address of your **LINUX CLIENT**.

```
#
# HOST DEFINITION
#
#####
#####

# Define a host for the local machine

define host{
    use                linuxserver          ; Name of host template to use
                                ; This host definition will inherit all variables that are defined
                                ; in (or inherited by) the linux-server host template definition.
    host_name          linuxserver
    alias              linuxserver
    address            54.198.255.177
}

#####
#####
#
# HOST GROUP DEFINITION
#
#####
#####
^G Help      ^C Write Out  ^W Where Is   ^R Cut        ^T Execute    ^G Location   M-U Undo      M-A Set Mark   M-I To Bracket  M-Q
^X Exit      ^S Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line  M-E Redo      M-C Copy       ^O Where Was   M-W
```

Change `hostgroup_name` under `hostgroup` to `linux-servers1`

```
# Define an optional hostgroup for Linux machines

define hostgroup{
    hostgroup_name    linux-servers1 ; The name of the hostgroup
    alias             Linux Servers ; Long name of the group
    members           linuxserver ; Comma separated list of hosts that belong to this group
}

#####
#####
#
# SERVICE DEFINITIONS
#
```

Everywhere else on the file, change the hostname to `linuxserver` instead of `localhost`.

7. Open the Nagios Config file and add the following line

```
nano /usr/local/nagios/etc/nagios.cfg
```

```
##Add this line
```

```
cfg_dir=/usr/local/nagios/etc/objects/monitorhosts/
```

```
# EXPERIMENTAL load controlling options
# To get current defaults based on your system issue a command to
# the query handler. Please note that this is an experimental feature
# and not meant for production use. Used incorrectly it can induce
# enormous latency.
# #core loadctl
#   jobs_max - The maximum amount of jobs to run at one time
#   jobs_min - The minimum amount of jobs to run at one time
#   jobs_limit - The maximum amount of jobs the current load lets us run
#   backoff_limit - The minimum backoff_change
#   backoff_change - # of jobs to remove from jobs_limit when backing off
#   rampup_limit - Minimum rampup_change
#   rampup_change - # of jobs to add to jobs_limit when ramping up
# NOTE: The backoff_limit and rampup_limit are NOT used by anything currently,
#       so if your system is under load nothing will actively modify the jobs
#       even if you have these options enabled, they are for external
#       connector information only. However, if you change the jobs_max or
#       jobs_min manually here or through the query handler interface that
#       WILL affect your system
#loadctl_options=jobs_max=100;backoff_limit=10;rampup_change=5
cfg_dir=/usr/local/nagios/etc/objects/monitorhosts/
```

```
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Un
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line M-E Re
```

8. Verify the configuration files

```
Checking for circular paths...
  Checked 2 hosts
  Checked 8 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: 0

Things look okay - No serious problems were detected during the pre-flight check
[root@ip-172-31-46-218 ec2-user]#
```

You are good to go if there are no errors.

9. Restart the nagios service

```
service nagios restart
```

```
Starting nagios (via systemctl): [ OK ]
[ec2-user@ip-172-31-44-218 nagios-plugins-2.0.3]$ sudo systemctl status nagios
● nagios.service - LSB: Starts and stops the Nagios monitoring server
   Loaded: loaded (/etc/rc.d/init.d/nagios; generated)
   Active: active (running) since Sat 2024-10-12 09:59:46 UTC; 51s ago
     Docs: man:systemd-sysv-generator(8)
  Process: 66468 ExecStart=/etc/rc.d/init.d/nagios start (code=exited, status=0/SUCCESS)
    Tasks: 6 (limit: 1112)
   Memory: 2.1M
      CPU: 51ms
   CGroup: /system.slice/nagios.service
           └─66490 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
             └─66492 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
               └─66493 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                 └─66494 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
                   └─66495 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
```

Now it is time to switch to the client machine.

10. SSH into the machine or simply use the EC2 Instance Connect feature

```
ubuntu@ip-172-31-32-54: ~$
```

11. Make a package index update and install gcc, nagios-nrpe-server and the plugins.

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

```
ubuntu@ip-172-31-42-197:~$ sudo apt update -y
apt install gcc -y
sudo apt install -y nagios-nrpe-server nagios-plugins
sudo apt install gcc -y
sudo apt install -y nagios-nrpe-server nagios-plugins
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [384 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [84.6 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [4708 B]
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [278 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [117 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
```

12. Open nrpe.cfg file to make changes.

```
sudo nano /etc/nagios/nrpe.cfg
```

Under `allowed_hosts`, add your nagios host IP address like so

```
GNU nano 4.8
# file to allow only the specified host to connect
# you are running this daemon on.
#
# NOTE: This option is ignored if NRPE is running
allowed_hosts=127.0.0.1,13.233.227.254
```

13. Restart the NRPE server

```
sudo systemctl restart nagios-nrpe-server
```

14. Now, check your nagios dashboard and you'll see a new host being added.

Click on Hosts.

The screenshot shows the Nagios Core 4.0.0 dashboard. In the left sidebar, the 'Hosts' link is highlighted with a red arrow. The main content area displays 'Current Network Status', 'Host Status Totals', 'Service Status Totals', and a table of host status details for 'linuxserver' and 'localhost'.

Current Network Status
Last updated: Sun Oct 24 10:04:10 UTC 2021
Updated every 30 seconds
Nagios Core™ 4.0.0 - www.nagios.org
Logged in as nagiosadmin

Host Status Totals
Up: 2, Down: 0, Unreachable: 0, Pending: 0
All Problems: 0, All Types: 0

Service Status Totals
Ok: 12, Warning: 1, Unknown: 0, Critical: 3, Pending: 0
All Problems: 4, All Types: 16

Host Status Details For All Host Groups

Host	Status	Last Check	Duration	Status Information
linuxserver	UP	10-24-2021 10:01:56	00:00:00.00	PROD OK - Packstack + 3% free, 0% disk
localhost	UP	10-24-2021 10:02:21	00:00:00.00	PROD OK - Packstack + 3% free, 0% disk

Results: 1 - 2 of 2 Matching Hosts

Click on linuxserver to see the host details

The screenshot shows the 'Host Status' section for the 'linuxserver' host. It displays a table with columns for Host, Status, and Last Check. The status is 'UP' and the last check was at 10-24-2021 10:01:56.

Host Status

Limit Results: 100

Host	Status	Last Check
linuxserver	UP	10-24-2021 10:01:56
localhost	UP	10-24-2021 10:02:21

Results: 1 - 2 of 2 Matching Hosts

You can click Services to see all services and ports being monitored.

The screenshot shows the 'Services' section for the 'linuxserver' host. It displays a table with columns for Service, Status, Last Check, Duration, and Status Information. The services listed include 'Current Load', 'Current Users', 'df /var', 'df /usr', 'df /tmp', 'df /home', 'df /boot', 'df /dev', 'df /etc', 'df /opt', 'df /var/log', 'df /var/spool', 'df /var/tmp', 'df /var/mail', 'df /var/lib', 'df /var/cache', 'df /var/run', 'df /var/lock', 'df /var/opt', 'df /var/pkgs', 'df /var/src', 'df /var/www', 'df /var/www2', 'df /var/www3', 'df /var/www4', 'df /var/www5', 'df /var/www6', 'df /var/www7', 'df /var/www8', 'df /var/www9', 'df /var/www10', 'df /var/www11', 'df /var/www12', 'df /var/www13', 'df /var/www14', 'df /var/www15', 'df /var/www16', 'df /var/www17', 'df /var/www18', 'df /var/www19', 'df /var/www20', 'df /var/www21', 'df /var/www22', 'df /var/www23', 'df /var/www24', 'df /var/www25', 'df /var/www26', 'df /var/www27', 'df /var/www28', 'df /var/www29', 'df /var/www30', 'df /var/www31', 'df /var/www32', 'df /var/www33', 'df /var/www34', 'df /var/www35', 'df /var/www36', 'df /var/www37', 'df /var/www38', 'df /var/www39', 'df /var/www40', 'df /var/www41', 'df /var/www42', 'df /var/www43', 'df /var/www44', 'df /var/www45', 'df /var/www46', 'df /var/www47', 'df /var/www48', 'df /var/www49', 'df /var/www50', 'df /var/www51', 'df /var/www52', 'df /var/www53', 'df /var/www54', 'df /var/www55', 'df /var/www56', 'df /var/www57', 'df /var/www58', 'df /var/www59', 'df /var/www60', 'df /var/www61', 'df /var/www62', 'df /var/www63', 'df /var/www64', 'df /var/www65', 'df /var/www66', 'df /var/www67', 'df /var/www68', 'df /var/www69', 'df /var/www70', 'df /var/www71', 'df /var/www72', 'df /var/www73', 'df /var/www74', 'df /var/www75', 'df /var/www76', 'df /var/www77', 'df /var/www78', 'df /var/www79', 'df /var/www80', 'df /var/www81', 'df /var/www82', 'df /var/www83', 'df /var/www84', 'df /var/www85', 'df /var/www86', 'df /var/www87', 'df /var/www88', 'df /var/www89', 'df /var/www90', 'df /var/www91', 'df /var/www92', 'df /var/www93', 'df /var/www94', 'df /var/www95', 'df /var/www96', 'df /var/www97', 'df /var/www98', 'df /var/www99', 'df /var/www100'.

Service	Status	Last Check	Duration	Status Information
Current Load	OK	10-24-2021 10:02:21	00:00:00.00	OK - load average: 0.00, 0.01, 0.00
Current Users	OK	10-24-2021 10:02:21	00:00:00.00	OK - 1 users currently logged in
df /var	CRITICAL	10-24-2021 10:01:56	00:00:00.00	critical to approx 11.22% free and 98.78% full
df /usr	OK	10-24-2021 10:02:21	00:00:00.00	OK - Packstack + 3% free, 0% disk
df /tmp	OK	10-24-2021 10:02:21	00:00:00.00	OK - free space + 5000 MB (10% inode=88)
df /home	OK	10-24-2021 10:02:21	00:00:00.00	OK - OpenSSH_8.2p1 Ubuntu-0ubuntu0.2
df /boot	OK	10-24-2021 10:02:21	00:00:00.00	OK - 0% free (1 MB out of 8 MB - 8)
df /dev	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /etc	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /opt	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/log	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/spool	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/tmp	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/mail	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/lib	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/cache	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/run	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/lock	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/opt	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/pkgs	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/src	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www2	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www3	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www4	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www5	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www6	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www7	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www8	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www9	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www10	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www11	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www12	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www13	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www14	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www15	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www16	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www17	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www18	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www19	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www20	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www21	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www22	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www23	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www24	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www25	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www26	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www27	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www28	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www29	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www30	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www31	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www32	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www33	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www34	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www35	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www36	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www37	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www38	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www39	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www40	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www41	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www42	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www43	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www44	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www45	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www46	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www47	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www48	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www49	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www50	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www51	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www52	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www53	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www54	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www55	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www56	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www57	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www58	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www59	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www60	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www61	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www62	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www63	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www64	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www65	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www66	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www67	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www68	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www69	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www70	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www71	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www72	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www73	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www74	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www75	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www76	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www77	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www78	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www79	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www80	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www81	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www82	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www83	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www84	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www85	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www86	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www87	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www88	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www89	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www90	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www91	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www92	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www93	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www94	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www95	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www96	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www97	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www98	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www99	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0
df /var/www100	OK	10-24-2021 10:02:21	00:00:00.00	OK - 27 processes with 0 bytes - 0

Results: 1 - 2 of 2 Matching Hosts

As you can see, we have our linuxserver up and running. It is showing critical status on HTTP due to permission errors and swap because there is no partition created.

In this case, we have monitored -

Servers: 1 linux server

Services: swap

Ports: 22, 80 (ssh, http)

Processes: User status, Current load, total processes, root partition, etc.

Recommended Cleanup

- Terminate both of your EC-2 instances to avoid charges.
- Delete the security group if you created a new one (it won't affect your bill, you may avoid it)

Conclusion:

Thus, we learned about service monitoring using Nagios and successfully monitored a Linux Server and monitored its different ports and services using Nagios and NRPE.