

Experiment.10

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

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

```
Checking misc settings...

Total Warnings: 0
Total Errors:   0

Things look okay - No serious problems were detected during the pre-flight check
[ec2-user@ip-172-31-87-21 nagios-plugins-2.3.3]$ sudo systemctl status nagios
● nagios.service - Nagios Core 4.4.6
   Loaded: loaded (/usr/lib/systemd/system/nagios.service; enabled; preset: disabled)
   Active: active (running) since Tue 2024-10-01 09:04:30 UTC; 41s ago
     Docs: https://www.nagios.org/documentation
   Process: 69042 ExecStartPre=/usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/na
   Process: 69043 ExecStart=/usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagio
   Main PID: 69044 (nagios)
      Tasks: 6 (limit: 1112)
     Memory: 2.1M
        CPU: 21ms
```

Step.2 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.

EC2 > Instances > Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

 [Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below


▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below


Recents

Quick Start

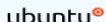
Amazon Linux




macOS




Ubuntu




Windows




Red Hat



SUSE Li




Browse more AMIs
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-0e86e20dae9224db8 (64-bit (x86)) / ami-096ea6a12ea24a797 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▼

Description


Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

nagios_client ▼

 [Create new key pair](#)

▼ Network settings [Info](#)

Edit

Network [Info](#)

vpc-0052a92254f95b1cf

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

[Additional charges apply](#) when outside of [free tier allowance](#)

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

[EC2](#) > [Instances](#) > Launch an instance

✔ Success

Successfully initiated launch of instance (i-016ad2dca7639d679)

▶ Launch log

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
sgr-09cd71942884596a0	HTTPS ▼	TCP	443	Custom ▼	<input type="text" value="0.0.0.0/0"/>	<input type="button" value="Delete"/>
sgr-08f43cb5bdc0e5f1	HTTP ▼	TCP	80	Custom ▼	<input type="text" value="0.0.0.0/0"/>	<input type="button" value="Delete"/>
sgr-0f62e5432684a8fe5	All traffic ▼	All	All	Custom ▼	<input type="text" value="0.0.0.0/0"/>	<input type="button" value="Delete"/>
sgr-03ab7c9f2147e2999	SSH ▼	TCP	22	Custom ▼	<input type="text" value="0.0.0.0/0"/>	<input type="button" value="Delete"/>
sgr-05b65924d75b6cbdc	All ICMP - IPv6 ▼	IPv6 ICMP	All	Custom ▼	<input type="text" value="0.0.0.0/0"/>	<input type="button" value="Delete"/>
sgr-00f29b9376b253f54	All ICMP - IPv4 ▼	ICMP	All	Custom ▼	<input type="text" value="0.0.0.0/0"/>	<input type="button" value="Delete"/>

✔ Inbound security group rules successfully modified on security group (sg-06baaffb58b00dd40 | launch-wizard-4) ✕

▶ Details

[EC2](#) > [Security Groups](#) > sg-06baaffb58b00dd40 - launch-wizard-4

sg-06baaffb58b00dd40 - launch-wizard-4

Actions ▼

Details

Security group name

launch-wizard-4

Security group ID

sg-06baaffb58b00dd40

Description

launch-wizard-4 created 2024-10-01T09:11:39.581Z

VPC ID

vpc-0052a92254f95b1cf [↗](#)

Owner

010928179348


Inbound rules count


6 Permission entries

Outbound rules count

1 Permission entry

EC2 Instance Connect
Session Manager
SSH client
EC2 serial console



All ports are open to all IPv4 addresses in your security group
All ports are currently open to all IPv4 addresses, indicated by **All** and **0.0.0.0/0** in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 18.206.107.24/29. [Learn more](#).

Instance ID
 i-016ad2dca7639d679 (nagios_client)

Connection Type


☒ Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 or IPv6 address.

☐ Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

☒ Public IPv4 address
 18.212.58.57

☐ IPv6 address
—

Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

 **Note:** In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions

Step.3 On the server, run this command

`ps -ef | grep nagios`

```
[ec2-user@ip-172-31-87-21 nagios-plugins-2.3.3]$ ps -ef | grep nagios
nagios      69044      1    0 09:04 ?        00:00:00 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
nagios      69045    69044    0 09:04 ?        00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios      69046    69044    0 09:04 ?        00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios      69047    69044    0 09:04 ?        00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios      69048    69044    0 09:04 ?        00:00:00 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
nagios      69049    69044    0 09:04 ?        00:00:00 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg
ec2-user    70083    3334    0 09:22 pts/0    00:00:00 grep --color=auto nagios
[ec2-user@ip-172-31-87-21 nagios-plugins-2.3.3]$
```

Step.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`

```
[ec2-user@ip-172-31-87-21 nagios-plugins-2.3.3]$ sudo su
mkdir /usr/local/nagios/etc/objects/monitorhosts
mkdir /usr/local/nagios/etc/objects/monitorhosts/linuxhosts
[root@ip-172-31-87-21 nagios-plugins-2.3.3]# cp /usr/local/nagios/etc/objects/localhost.cfg
/usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg
cp: missing destination file operand after '/usr/local/nagios/etc/objects/localhost.cfg'
Try 'cp --help' for more information.
bash: /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg: No such file or directory
```

Step.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.cfg

```
[root@ip-172-31-87-21 linuxhost]# cp /usr/local/nagios/etc/objects/localhost.cfg /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg
cp: cannot create regular file '/usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg': No such file or directory
[root@ip-172-31-87-21 linuxhost]# cd ..
[root@ip-172-31-87-21 monitorhosts]# mkdir linuxhosts
[root@ip-172-31-87-21 monitorhosts]# cp /usr/local/nagios/etc/objects/localhost.cfg /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg
[root@ip-172-31-87-21 monitorhosts]# cd linuxhosts/
[root@ip-172-31-87-21 linuxhosts]# ls
linuxserver.cfg
[root@ip-172-31-87-21 linuxhosts]# sudo nano /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg
[root@ip-172-31-87-21 linuxhosts]# sudo nano /usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg
[root@ip-172-31-87-21 linuxhosts]# nano /usr/local/nagios/etc/nagios.cfg
[root@ip-172-31-87-21 linuxhosts]# service nagios restart
Redirecting to /bin/systemctl restart nagios.service
[root@ip-172-31-87-21 linuxhosts]#
Broadcast message from root@localhost (Tue 2024-10-01 09:58:28 UTC):
```

```
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1012-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/pro

System information as of Tue Oct  1 09:20:11 UTC 2024

System load:  0.0               Processes:            106
Usage of /:   22.8% of 6.71GB   Users logged in:     0
Memory usage: 20%              IPv4 address for enX0: 172.31.90.61
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
```

i-016ad2dca7639d679 (nagios_client)

PublicIPs: 18.212.58.57 PrivateIPs: 172.31.90.61

Step.6 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-172-31-90-61:~$ sudo apt install gcc -y
Reading package lists... Donepe-server nagios-plugins^[[201-
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu cpp cpp-13 cpp-13-x86-64-linux-gnu cpp-x86-64-linux-gnu fontconfig-config fonts-dejavu-core
  fonts-dejavu-mono gcc-13 gcc-13-base gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libaom3 libasan8 libatomic1 libbinutils libc-dev-bin libc-devtools libc6-dev
  libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libde265-0 libdeflate0 libfontconfig1 libgcc-13-dev libgd3 libgomp1 libgprofng0 libheif-plugin-aomdec
  libheif-plugin-aomenc libheif-plugin-libde265 libheif1 libhwasan0 libisl23 libitm1 libjbig0 libjpeg-turbo8 libjpeg8 liblerc4 liblsan0 libmpc3 libquadmath0
  libstdc++6 libtiff6 libubsan1 libwebp7 libxpm4 linux-libc-dev manpages-dev rpcsvc-proto
Suggested packages:
  binutils-doc gprofng-gui cpp-doc gcc-13-locales cpp-13-doc gcc-multilib make autoconf automake libtool flex bison gdb gcc-doc gcc-13-multilib gcc-13-doc
  gdb-x86-64-linux-gnu glibc-doc libgd-tools libheif-plugin-x265 libheif-plugin-ffmpegdec libheif-plugin-jpegdec libheif-plugin-jpegenc libheif-plugin-j2kdec
  libheif-plugin-j2kenc libheif-plugin-ravle libheif-plugin-svtenc
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu cpp cpp-13 cpp-13-x86-64-linux-gnu cpp-x86-64-linux-gnu fontconfig-config fonts-dejavu-core
  fonts-dejavu-mono gcc gcc-13 gcc-13-base gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libaom3 libasan8 libatomic1 libbinutils libc-dev-bin libc-devtools
  libc6-dev libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libde265-0 libdeflate0 libfontconfig1 libgcc-13-dev libgd3 libgomp1 libgprofng0 libheif-plugin-aomdec
  libheif-plugin-aomenc libheif-plugin-libde265 libheif1 libhwasan0 libisl23 libitm1 libjbig0 libjpeg-turbo8 libjpeg8 liblerc4 liblsan0 libmpc3 libquadmath0
  libstdc++6 libtiff6 libubsan1 libwebp7 libxpm4 linux-libc-dev manpages-dev rpcsvc-proto
0 upgraded, 57 newly installed, 0 to remove and 0 not upgraded.
Need to get 62.6 MB of archives.
After this operation, 222 MB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 binutils-common amd64 2.42-4ubuntu2 [239 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libstdc++6 amd64 14-20240412-0ubuntu1 [1175 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libbinutils amd64 2.42-4ubuntu2 [14.8 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libbinutils amd64 2.42-4ubuntu2 [572 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libctf-nobfd0 amd64 2.42-4ubuntu2 [97.1 kB]

```

i-016ad2dca7639d679 (nagios_client)

PublicIPs: 18.212.58.57 PrivateIPs: 172.31.90.61

```

Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libstdc++6 amd64 14-20240412-0ubuntu1 [1175 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libubsan1 amd64 14-20240412-0ubuntu1 [1175 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libhwasan0 amd64 14-20240412-0ubuntu1 [1632 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libquadmath0 amd64 14-20240412-0ubuntu1 [153 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libgcc-13-dev amd64 13.2.0-23ubuntu4 [2688 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 gcc-13-x86-64-linux-gnu amd64 13.2.0-23ubuntu4 [21.9 MB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 gcc-13 amd64 13.2.0-23ubuntu4 [482 kB]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 gcc-x86-64-linux-gnu amd64 4:13.2.0-7ubuntu1 [1212 B]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 gcc amd64 4:13.2.0-7ubuntu1 [5018 B]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libaom3 amd64 3.8.2-2ubuntu0.1 [1941 kB]
Ign:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libc-dev-bin amd64 2.39-0ubuntu8.2
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libfontconfig1 amd64 2.15.0-1.1ubuntu2 [139 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libsharpyuv0 amd64 1.3.2-0.4build3 [15.8 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libheif-plugin-aomdec amd64 1.17.6-1ubuntu4 [10.3 kB]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libde265-0 amd64 1.0.15-1build3 [166 kB]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libheif-plugin-libde265 amd64 1.17.6-1ubuntu4 [8158 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libheif1 amd64 1.17.6-1ubuntu4 [276 kB]
Get:42 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libjpeg-turbo8 amd64 2.1.5-2ubuntu2 [150 kB]
Get:43 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libjpeg8 amd64 8c-2ubuntu1 [2148 B]
Get:44 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libdeflate0 amd64 1.19-1build1 [43.8 kB]
Get:45 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libjbig0 amd64 2.1-6.1ubuntu2 [29.7 kB]
Get:46 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 liblerc4 amd64 4.0.0+ds-4ubuntu2 [179 kB]
Get:47 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libwebp7 amd64 1.3.2-0.4build3 [230 kB]
Ign:48 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libtiff6 amd64 4.5.1+git230720-4ubuntu2.1
Get:49 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libxpm4 amd64 1:3.5.17-1build2 [36.5 kB]
Get:50 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libgd3 amd64 2.3.3-9ubuntu5 [128 kB]
Ign:51 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libc-devtools amd64 2.39-0ubuntu8.2
Err:35 http://security.ubuntu.com/ubuntu noble-updates/main amd64 libc-dev-bin amd64 2.39-0ubuntu8.2

```

i-016ad2dca7639d679 (nagios_client)

PublicIPs: 18.212.58.57 PrivateIPs: 172.31.90.61

```

ubuntu@ip-172-31-90-61:~$ sudo apt update -y
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 [380 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [83.1 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [4576 B]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [274 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [116 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [10.4 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [353 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [68.1 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [428 B]
Get:17 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [10.9 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2808 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [344 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

```

```

Get:50 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 29.1 MB in 6s (4991 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
143 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-90-61:~$ sudo apt install gcc -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu cpp cpp-13 cpp-13-x86-64-linux-gnu cpp-x86-64-linux-gnu fontconfig-config fonts-dejavu-core
  fonts-dejavu-mono gcc-13 gcc-13-base gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libaom3 libasan8 libatomic1 libbinutils libc-bin libc-dev-bin libc-devtools
  libc6 libc6-dev libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libde265-0 libdeflate0 libfontconfig1 libgcc-13-dev libgd3 libgomp1 libgprofng0
  libheif-plugin-aomdec libheif-plugin-aomenc libheif-plugin-libde265 libheif1 libhwspan0 libisl23 libitm1 libjbig0 libjpeg-turbo8 libjpeg8 liblerc4 liblsan0
  libmpc3 libquadmath0 libstdc++6 libtiff6 libubsan1 libwebp7 libxpm4 linux-libc-dev linux-tools-common locales manpages-dev rpcsvc-proto
Suggested packages:
  binutils-doc gprofng-gui cpp-doc gcc-13-locales cpp-13-doc gcc-multilib make autoconf automake libtool flex bison gdb gcc-doc gcc-13-multilib gcc-13-doc
  gdb-x86-64-linux-gnu glibc-doc libnss-nis libnss-nisplus libgd-tools libheif-plugin-x265 libheif-plugin-ffmpegdec libheif-plugin-jpegdec
  libheif-plugin-jpegenc libheif-plugin-j2kdec libheif-plugin-j2kenc libheif-plugin-rav1e libheif-plugin-svtenc
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu cpp cpp-13 cpp-13-x86-64-linux-gnu cpp-x86-64-linux-gnu fontconfig-config fonts-dejavu-core
  fonts-dejavu-mono gcc gcc-13 gcc-13-base gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libaom3 libasan8 libatomic1 libbinutils libc-bin libc-dev-bin libc-devtools
  libc6-dev libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libde265-0 libdeflate0 libfontconfig1 libgcc-13-dev libgd3 libgomp1 libgprofng0 libheif-plugin-aomdec
  libheif-plugin-aomenc libheif-plugin-libde265 libheif1 libhwspan0 libisl23 libitm1 libjbig0 libjpeg-turbo8 libjpeg8 liblerc4 liblsan0 libmpc3 libquadmath0
  libstdc++6 libtiff6 libubsan1 libwebp7 libxpm4 linux-libc-dev manpages-dev rpcsvc-proto
The following packages will be upgraded:
  libc-bin libc6 linux-tools-common locales

```



```

Selecting previously unselected package rpcsvc-proto.
Preparing to unpack .../54-rpcsvc-proto_1.4.2-0ubuntu7_amd64.deb ...
Unpacking rpcsvc-proto (1.4.2-0ubuntu7) ...
Selecting previously unselected package libc6-dev:amd64.
Preparing to unpack .../55-libc6-dev_2.39-0ubuntu8.3_amd64.deb ...
Unpacking libc6-dev:amd64 (2.39-0ubuntu8.3) ...
Selecting previously unselected package libheif-plugin-aomenc:amd64.
Preparing to unpack .../56-libheif-plugin-aomenc_1.17.6-1ubuntu4_amd64.deb ...
Unpacking libheif-plugin-aomenc:amd64 (1.17.6-1ubuntu4) ...
Preparing to unpack .../57-linux-tools-common_6.8.0-45.45_all.deb ...
Unpacking linux-tools-common (6.8.0-45.45) over (6.8.0-39.39) ...
Selecting previously unselected package manpages-dev.
Preparing to unpack .../58-manpages-dev_6.7-2_all.deb ...
Unpacking manpages-dev (6.7-2) ...
Setting up libsharpyuv0:amd64 (1.3.2-0.4build3) ...
Setting up libaom3:amd64 (3.8.2-2ubuntu0.1) ...
Setting up manpages-dev (6.7-2) ...
Setting up liblerc4:amd64 (4.0.0+ds-4ubuntu2) ...
Setting up libxpm4:amd64 (1:3.5.17-1build2) ...
Setting up binutils-common:amd64 (2.42-4ubuntu2) ...
Setting up libdeflate0:amd64 (1.19-1build1.1) ...
Setting up linux-libc-dev:amd64 (6.8.0-45.45) ...
Setting up libctf-nobfd0:amd64 (2.42-4ubuntu2) ...
Setting up libgomp1:amd64 (14-20240412-0ubuntu1) ...
Setting up locales (2.39-0ubuntu8.3) ...
Generating locales (this might take a while)...
  en_US.UTF-8... done
Generation complete.

```

```

Setting up libjbig0:amd64 (2.1-6.1ubuntu2) ...
Setting up libsfml:amd64 (2.42-4ubuntu2) ...
Setting up rpcsvc-proto (1.4.2-0ubuntu7) ...
Setting up gcc-13-base:amd64 (13.2.0-23ubuntu4) ...
Setting up libquadmath0:amd64 (14-20240412-0ubuntu1) ...
Setting up fonts-dejavu-mono (2.37-8) ...
Setting up libmpc3:amd64 (1.3.1-1build1) ...
Setting up libatomic1:amd64 (14-20240412-0ubuntu1) ...
Setting up fonts-dejavu-core (2.37-8) ...
Setting up libjpeg-turbo8:amd64 (2.1.5-2ubuntu2) ...
Setting up libwebp7:amd64 (1.3.2-0.4build3) ...
Setting up libubsan1:amd64 (14-20240412-0ubuntu1) ...
Setting up libhwasan0:amd64 (14-20240412-0ubuntu1) ...
Setting up libcrypt-dev:amd64 (1:4.4.36-4build1) ...
Setting up libasan8:amd64 (14-20240412-0ubuntu1) ...
Setting up libtsan2:amd64 (14-20240412-0ubuntu1) ...
Setting up libbinutils:amd64 (2.42-4ubuntu2) ...
Setting up libisl23:amd64 (0.26-3build1) ...
Setting up libde265-0:amd64 (1.0.15-1build3) ...
Setting up libc-dev-bin (2.39-0ubuntu8.3) ...
Setting up linux-tools-common (6.8.0-45.45) ...
Setting up libcc1-0:amd64 (14-20240412-0ubuntu1) ...
Setting up liblsan0:amd64 (14-20240412-0ubuntu1) ...
Setting up libitm1:amd64 (14-20240412-0ubuntu1) ...
Setting up libctf0:amd64 (2.42-4ubuntu2) ...
Setting up libjpeg8:amd64 (8c-2ubuntu11) ...
Setting up cpp-13-x86-64-linux-gnu (13.2.0-23ubuntu4) ...
Setting up fontconfig-config (2.15.0-1.1ubuntu2) ...

```


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```
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 candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

Restarting services...
systemctl restart acpid.service chrony.service cron.service multipathd.service packagekit.service polkit.service rsyslog.service snapd.service ssh.service systemd-journald.service systemd-networkd.service systemd-resolved.service systemd-udev.service udisks2.service

Service restarts being deferred:
systemctl restart ModemManager.service
/etc/needrestart/restart.d/dbus.service
systemctl restart getty@tty1.service
systemctl restart networkd-dispatcher.service
systemctl restart serial-getty@ttyS0.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #3: apt[1890], sshd[1001,1453]
ubuntu @ user manager service: systemd[1348]
```

```
ubuntu@ip-172-31-90-61:~$ sudo apt install -y nagios-nrpe-server nagios-plugins
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'monitoring-plugins' instead of 'nagios-plugins'
The following additional packages will be installed:
  libavahi-client3 libavahi-common-data libavahi-common3 libcups2t64 libdb1t64 libldb2 libmysqlclient21 libnet-snmp-perl libpq5 libradcli4 libsmbclient0
  libsnmp-base libsnmp40t64 libtalloc2 libtdb1 libtevent0t64 liburiparser1 libwbclient0 monitoring-plugins-basic monitoring-plugins-common
  monitoring-plugins-standard mysql-common python3-gpg python3-ldb python3-markdown python3-samba python3-talloc python3-tdb rpcbind samba-common
  samba-common-bin samba-dsdb-modules samba-libs smbclient snmp
Suggested packages:
  cups-common libcrypt-des-perl libdigest-hmac-perl libio-socket-inet6-perl snmp-mibs-downloader icinga2 nagios-plugins-contrib fping postfix | sendmail-bin
  | exim4-daemon-heavy | exim4-daemon-light gstat xinetd | inetd python-markdown-doc heimdal-clients python3-dnspython cifs-utils
The following NEW packages will be installed:
  libavahi-client3 libavahi-common-data libavahi-common3 libcups2t64 libdb1t64 libldb2 libmysqlclient21 libnet-snmp-perl libpq5 libradcli4 libsmbclient0
  libsnmp-base libsnmp40t64 libtalloc2 libtdb1 libtevent0t64 liburiparser1 libwbclient0 monitoring-plugins monitoring-plugins-basic monitoring-plugins-common
  monitoring-plugins-standard mysql-common nagios-nrpe-server python3-gpg python3-ldb python3-markdown python3-samba python3-talloc python3-tdb rpcbind
  samba-common samba-common-bin samba-dsdb-modules samba-libs smbclient snmp
0 upgraded, 37 newly installed, 0 to remove and 139 not upgraded.
Need to get 16.1 MB of archives.
After this operation, 72.0 MB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 nagios-nrpe-server amd64 4.1.0-1ubuntu3 [356 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 rpcbind amd64 1.2.6-7ubuntu2 [46.5 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libavahi-common-data amd64 0.8-13ubuntu6 [29.7 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libavahi-common3 amd64 0.8-13ubuntu6 [23.3 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libavahi-client3 amd64 0.8-13ubuntu6 [26.8 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libcups2t64 amd64 2.4.7-1.2ubuntu7.3 [272 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 python3-gpg amd64 1.18.0-4.1ubuntu4 [209 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 python3-ldb amd64 2:2.8.0+samba4.19.5+dfsg-4ubuntu9 [41.8 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 python3-markdown all 3.5.2-1 [72.0 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 python3-tdb amd64 1.4.10-1build1 [15.3 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 python3-talloc amd64 2.4.2-1build2 [12.9 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 python3-samba amd64 2:4.19.5+dfsg-4ubuntu9 [2895 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 samba-common all 2:4.19.5+dfsg-4ubuntu9 [64.1 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 samba-common-bin amd64 2:4.19.5+dfsg-4ubuntu9 [1279 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 samba-dsdb-modules amd64 2:4.19.5+dfsg-4ubuntu9 [317 kB]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 smbclient amd64 2:4.19.5+dfsg-4ubuntu9 [470 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 snmp amd64 5.9.4+dfsg-1.1ubuntu3 [180 kB]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 monitoring-plugins-common amd64 2.3.5-1ubuntu3 [30.0 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 monitoring-plugins-basic amd64 2.3.5-1ubuntu3 [269 kB]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 monitoring-plugins-standard amd64 2.3.5-1ubuntu3 [149 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 monitoring-plugins all 2.3.5-1ubuntu3 [10.7 kB]
Fetched 16.1 MB in 1s (12.8 MB/s)
Extracting templates from packages: 100%
Selecting previously unselected package nagios-nrpe-server.
(Reading database ... 72505 files and directories currently installed.)
Preparing to unpack .../00-nagios-nrpe-server_4.1.0-1ubuntu3_amd64.deb ...
Unpacking nagios-nrpe-server (4.1.0-1ubuntu3) ...
Selecting previously unselected package rpcbind.
Preparing to unpack .../01-rpcbind_1.2.6-7ubuntu2_amd64.deb ...
Unpacking rpcbind (1.2.6-7ubuntu2) ...
Selecting previously unselected package libavahi-common-data:amd64.
Preparing to unpack .../02-libavahi-common-data_0.8-13ubuntu6_amd64.deb ...
Unpacking libavahi-common-data:amd64 (0.8-13ubuntu6) ...
Selecting previously unselected package libavahi-common3:amd64.
```

```
Unpacking snmp (5.9.4+dfsg-1.1ubuntu3) ...
Selecting previously unselected package monitoring-plugins-common.
Preparing to unpack .../33-monitoring-plugins-common_2.3.5-1ubuntu3_amd64.deb ...
Unpacking monitoring-plugins-common (2.3.5-1ubuntu3) ...
Selecting previously unselected package monitoring-plugins-basic.
Preparing to unpack .../34-monitoring-plugins-basic_2.3.5-1ubuntu3_amd64.deb ...
Unpacking monitoring-plugins-basic (2.3.5-1ubuntu3) ...
Selecting previously unselected package monitoring-plugins-standard.
Preparing to unpack .../35-monitoring-plugins-standard_2.3.5-1ubuntu3_amd64.deb ...
Unpacking monitoring-plugins-standard (2.3.5-1ubuntu3) ...
Selecting previously unselected package monitoring-plugins.
Preparing to unpack .../36-monitoring-plugins_2.3.5-1ubuntu3_all.deb ...
Unpacking monitoring-plugins (2.3.5-1ubuntu3) ...
Setting up mysql-common (5.8+1.1.0build1) ...
update-alternatives: using /etc/mysql/my.cnf.fallback to provide /etc/mysql/my.cnf (my.cnf) in auto mode
Setting up libmysqlclient21:amd64 (8.0.39-0ubuntu0.24.04.2) ...
Setting up libsnmp-base (5.9.4+dfsg-1.1ubuntu3) ...
Setting up libnet-snmp-perl (6.0.1-7) ...
Setting up libtdb1:amd64 (1.4.10-1build1) ...
Setting up nagios-nrpe-server (4.1.0-1ubuntu3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nagios-nrpe-server.service → /usr/lib/systemd/system/nagios-nrpe-server.service.
Setting up libdb1t64:amd64 (0.9.0-6.1build1) ...
Setting up libpq5:amd64 (16.4-0ubuntu0.24.04.2) ...
Setting up rpcbind (1.2.6-7ubuntu2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/rpcbind.service → /usr/lib/systemd/system/rpcbind.service.
Created symlink /etc/systemd/system/sockets.target.wants/rpcbind.socket → /usr/lib/systemd/system/rpcbind.socket.
Setting up samba-common (2:4.19.5+dfsg-4ubuntu9) ...
```

```
Creating config file /etc/samba/smb.conf with new version
Setting up libwbclient0:amd64 (2:4.19.5+dfsg-4ubuntu9) ...
Setting up libtalloc2:amd64 (2.4.2-1build2) ...
Setting up python3-tdb (1.4.10-1build1) ...
Setting up python3-gpg (1.18.0-4.1ubuntu4) ...
Setting up libradscli4 (1.2.11-1build3) ...
Setting up libavahi-common-data:amd64 (0.8-13ubuntu6) ...
Setting up python3-markdown (3.5.2-1) ...
Setting up liburiparser1:amd64 (0.9.7+dfsg-2build1) ...
Setting up monitoring-plugins-common (2.3.5-1ubuntu3) ...
Setting up libtevent0t64:amd64 (0.16.1-2build1) ...
Setting up monitoring-plugins-basic (2.3.5-1ubuntu3) ...

Creating config file /etc/nagios-plugins/config/apt.cfg with new version
Creating config file /etc/nagios-plugins/config/dhcp.cfg with new version
Creating config file /etc/nagios-plugins/config/disk.cfg with new version
Creating config file /etc/nagios-plugins/config/dummy.cfg with new version
Creating config file /etc/nagios-plugins/config/ftp.cfg with new version
Creating config file /etc/nagios-plugins/config/http.cfg with new version
Creating config file /etc/nagios-plugins/config/load.cfg with new version
```

```
Creating config file /etc/nagios-plugins/config/snmp.cfg with new version
Setting up monitoring-plugins (2.3.5-1ubuntu3) ...
Setting up libldb2:amd64 (2:2.8.0+samba4.19.5+dfsg-4ubuntu9) ...
Setting up libavahi-client3:amd64 (0.8-13ubuntu6) ...
Setting up samba-ls:amd64 (2:4.19.5+dfsg-4ubuntu9) ...
Setting up python3-ldb (2:2.8.0+samba4.19.5+dfsg-4ubuntu9) ...
Setting up samba-dsdb-modules:amd64 (2:4.19.5+dfsg-4ubuntu9) ...
Setting up libsmbclient0:amd64 (2:4.19.5+dfsg-4ubuntu9) ...
Setting up libcups2t64:amd64 (2.4.7-1.2ubuntu7.3) ...
Setting up python3-samba (2:4.19.5+dfsg-4ubuntu9) ...
Setting up smbclient (2:4.19.5+dfsg-4ubuntu9) ...
Setting up samba-common-bin (2:4.19.5+dfsg-4ubuntu9) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

Restarting services...
```

```
Restarting services...

Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart getty@tty1.service
systemctl restart networkd-dispatcher.service
systemctl restart serial-getty@ttyS0.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #3: sshd[1001,1453]
ubuntu@ip-172-31-90-61:~$ sudo nano /etc/nagios/nrpe.cfg
ubuntu@ip-172-31-90-61:~$ sudo systemctl restart nagios-nrpe-server
ubuntu@ip-172-31-90-61:~$
Broadcast message from root@ip-172-31-90-61 (Tue 2024-10-01 09:58:28 UTC):
```

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

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

Current Network Status

Last Updated: Tue Oct 1 09:57:14 UTC 2024

Updated every 90 seconds

Nagios® Core™ 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
12	1	0	3	0
All Problems		All Types		
4		16		

Host Status Details For All Host Groups

Limit Results: 100

Host	Status	Last Check	Duration	Status Information
linuxserver	UP	10-01-2024 09:55:33	0d 0h 11m 3s	PING OK - Packet loss = 0%, RTA = 1.03 ms
localhost	UP	10-01-2024 09:53:52	0d 0h 52m 44s	PING OK - Packet loss = 0%, RTA = 0.03 ms

Results 1 - 2 of 2 Matching Hosts