

root@Siddique: /home/ubuntu

Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 5.15.167.4-microsoft-standard-WSL2 x86_64)

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

This message is shown once a day. To disable it please create the
/home/ubuntu/.hushlogin file.

ubuntu@Siddique:~\$ sudo su

[sudo] password for ubuntu:

root@Siddique:/home/ubuntu# ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1400
inet 172.23.206.69 netmask 255.255.240.0 broadcast 172.23.207.255
inet6 fe80::215:5dff:fe89:2962 prefixlen 64 scopeid 0x20<link>
ether 00:15:5d:89:29:62 txqueuelen 1000 (Ethernet)
RX packets 345 bytes 331182 (331.1 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 167 bytes 16132 (16.1 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536

inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 35 bytes 4841 (4.8 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 35 bytes 4841 (4.8 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@Siddique:/home/ubuntu# nslookup google.com

Server: 10.255.255.254
Address: 10.255.255.254#53

Non-authoritative answer:

Name: google.com
Address: 142.250.70.110
Name: google.com
Address: 2404:6800:4009:829::200e

root@Siddique:/home/ubuntu# hostname

Siddique

root@Siddique:/home/ubuntu# ping 8.8.8.8

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=111 time=37.2 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=111 time=79.5 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=111 time=75.1 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=111 time=73.2 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=111 time=74.4 ms

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root@Siddique: /home/ubuntu  X  +  v
root@Siddique:/home/ubuntu# ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=111 time=37.2 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=111 time=79.5 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=111 time=75.1 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=111 time=73.2 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=111 time=74.4 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=111 time=29.5 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=111 time=33.8 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=111 time=68.1 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=111 time=69.3 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=111 time=62.7 ms
64 bytes from 8.8.8.8: icmp_seq=11 ttl=111 time=61.5 ms
64 bytes from 8.8.8.8: icmp_seq=12 ttl=111 time=70.9 ms
64 bytes from 8.8.8.8: icmp_seq=13 ttl=111 time=60.3 ms
^C
--- 8.8.8.8 ping statistics ---
13 packets transmitted, 13 received, 0% packet loss, time 12020ms
rtt min/avg/max/mdev = 29.466/61.181/79.452/16.145 ms
root@Siddique:/home/ubuntu# traceroute google.com
Command 'traceroute' not found, but can be installed with:
apt install traceroute # version 1:2.1.0-2, or
apt install inetutils-traceroute # version 2:2.2-2ubuntu0.1
root@Siddique:/home/ubuntu# apt install traceroute
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  apt-config-icons-hidpi apt-config-icons-large
  apt-config-icons-large-hidpi bluedevil bluez bluez-obexd bolt
  breeze-gtk-theme bup bup-doc fonts-noto-cjk fonts-noto-unhinted fwupd
  fwupd-signed gtk2-engines-pixbuf ibus-data iieee-data
  kde-config-gtk-style kde-config-sddm kde-config-updates
  kde-style-oxygen-qt5 khotkeys khotkeys-data kinfocenter kmenuedit
  kscreen kup-backup kwrited libburn4 libefiboot1 libefivar1 libfwupd2
  libfwupdplugin5 libgcab-1.0-0 libgit2-1.1 libgspell-1-2
  libgspell-1-common libgtksourceview-4-0 libgtksourceview-4-common
  libhttp-parser2.9 libibus-1.0-5 libisofs6 libjcat1 libjte2 libkpmcore11
  libmbedcrypto7 libmbedtls14 libmbedx509-1 libmousepad0 liboxygenstyle5-5
  liboxygenstyleconfig5-5 libscim8v5 libsmbios-c2 libsnapd-qt1 libtagc0
  libxcb-record0 libxnvctrl0 mousepad oxygen-sounds par2 partitionmanager
  plasma-browser-integration plasma-desktop-data plasma-discover
  plasma-discover-backend-fwupd plasma-discover-backend-snap
  plasma-discover-common plasma-disks plasma-thunderbolt python3-fuse
  python3-pylibacl python3-pyattr python3-tornado sbsigntool
  secureboot-db smartmontools systemsettings vulkan-tools xarchiver
  xdg-desktop-portal-kde xfce4-power-manager-data xsettingsd
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:

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root@Siddique: /home/ubuntu x + v
The following NEW packages will be installed:
traceroute
0 upgraded, 1 newly installed, 0 to remove and 30 not upgraded.
Need to get 45.4 kB of archives.
After this operation, 152 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/universe amd64 traceroute amd64 1:2.1.0-2 [45.4 kB]
Fetched 45.4 kB in 1s (32.3 kB/s)
Selecting previously unselected package traceroute.
(Reading database ... 212510 files and directories currently installed.)
Preparing to unpack .../traceroute_1%3a2.1.0-2_amd64.deb ...
Unpacking traceroute (1:2.1.0-2) ...
Setting up traceroute (1:2.1.0-2) ...
update-alternatives: using /usr/bin/traceroute.db to provide /usr/bin/traceroute (traceroute) in auto mode
update-alternatives: using /usr/bin/traceroute6.db to provide /usr/bin/traceroute6 (traceroute6) in auto mode
update-alternatives: using /usr/bin/lft.db to provide /usr/bin/lft (lft) in auto mode
update-alternatives: using /usr/bin/traceproto.db to provide /usr/bin/traceproto (traceproto) in auto mode
update-alternatives: using /usr/sbin/tcptraceroute.db to provide /usr/sbin/tcptraceroute (tcptraceroute) in auto mode
Processing triggers for man-db (2.10.2-1) ...
root@Siddique:/home/ubuntu# traceroute google.com
traceroute to google.com (142.250.70.110), 30 hops max, 60 byte packets
 1  172.23.192.1 (172.23.192.1)  0.889 ms  0.839 ms  0.773 ms
 2  192.168.200.141 (192.168.200.141)  3.078 ms  5.860 ms  5.717 ms
 3  * * *
 4  * * *
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * *
13  * * *
14  * * *
15  * * *
16  * * *
17  * * *
18  * * *
19  * * *
20  * * *
21  * * *
22  * * *
23  * * *
24  * * *
25  * * *
26  * * *
27  * * *
28  * * *
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28 * * *
29 * * *
30 * * *
root@Siddique:/home/ubuntu# arp -a
? (172.23.192.1) at 00:15:5d:e2:7d:5c [ether] on eth0
root@Siddique:/home/ubuntu# uname -a
Linux Siddique 5.15.167.4-microsoft-standard-WSL2 #1 SMP Tue Nov 5 00:21:55 UTC 2024 x86_64 x86_64 x86_64 GNU/Linux
root@Siddique:/home/ubuntu# nmcli device show
GENERAL.DEVICE:                eth0
GENERAL.TYPE:                   ethernet
GENERAL.HWADDR:                 00:15:5D:89:29:62
GENERAL.MTU:                    1400
GENERAL.STATE:                  10 (unmanaged)
GENERAL.CONNECTION:             --
GENERAL.CON-PATH:               --
WIRED-PROPERTIES.CARRIER:     on
IP4.ADDRESS[1]:                 172.23.206.69/20
IP4.GATEWAY:                    172.23.192.1
IP4.ROUTE[1]:                   dst = 0.0.0.0/0, nh = 172.23.192.1, >
IP4.ROUTE[2]:                   dst = 172.23.192.0/20, nh = 0.0.0.0, >
IP6.ADDRESS[1]:                 fe80::215:5dff:fe89:2962/64
IP6.GATEWAY:                    --
IP6.ROUTE[1]:                   dst = fe80::/64, nh = ::, mt = 256

GENERAL.DEVICE:                lo
GENERAL.TYPE:                   loopback
GENERAL.HWADDR:                 00:00:00:00:00:00
GENERAL.MTU:                    65536
GENERAL.STATE:                  10 (unmanaged)
GENERAL.CONNECTION:             --
GENERAL.CON-PATH:               --
IP4.ADDRESS[1]:                 127.0.0.1/8
IP4.ADDRESS[2]:                 10.255.255.254/32
IP4.GATEWAY:                    --
IP6.ADDRESS[1]:                 ::1/128
IP6.GATEWAY:                    --
lines 1-28/28 (END)
GENERAL.DEVICE:                eth0
GENERAL.TYPE:                   ethernet
GENERAL.HWADDR:                 00:15:5D:89:29:62
GENERAL.MTU:                    1400
GENERAL.STATE:                  10 (unmanaged)
GENERAL.CONNECTION:             --
GENERAL.CON-PATH:               --
WIRED-PROPERTIES.CARRIER:     on
IP4.ADDRESS[1]:                 172.23.206.69/20
IP4.GATEWAY:                    172.23.192.1
```