

```
Last login: Sun Sep 1 15:44:24 on ttys000
HOME=/Users/bharathi
LANG=en_US.UTF-8
LOGNAME=bharathi
LaunchInstanceID=256BE3F2-5937-48F1-90C1-E75206D07CC1
OLDPWD=/Users/bharathi
PATH=/Library/Frameworks/Python.framework/Versions/3.12/bin:/Library/Frameworks/Python.framework/Versions/3.11/bin:/usr/local/bin:/System/Cryptexes/App/usr/bin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/sh
ars/dotnet:/usr/local/bin:/usr/sbin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/sh
PWD=/Users/bharathi
SECURITYSESSIONID=186a3
SHELL=/bin/zsh
SHLVL=1
SSH_AUTH_SOCK=/private/tmp/com.apple.launchd.006n2CWpUn/Listeners
TERM=xterm-256color
TERM_PROGRAM=Apple_Terminal
TERM_PROGRAM_VERSION=447
TERM_SESSION_ID=8A1D7081-6211-47B6-B426-FE7489108EB
TMPDIR=/var/folders/m5/7p8qh00s2rv_3gw4tz18xxkr000gn/T/
USER=bharathi
XPC_FLAGS=0x0
XPC_SERVICE_NAME=0
__CFBundleIdentifier=com.apple.Terminal
bharathi@Bharathis-MacBook-Air ~ % pwd
/Users/bharathi
bharathi@Bharathis-MacBook-Air ~ % ls
Applications      Downloads          Movies             Postman            Untitled.ipynb    myenv
Desktop           HelloWorldLightningWebComponent Music              Projects
Documents         Library           Pictures           Public
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ls -l
total 32
drwx-----@ 3 bharathi staff   96 Jan 20 2023 Applications
drwx-----+ 90 bharathi staff 2880 Sep 3 19:56 Desktop
drwx-----@ 9 bharathi staff   288 Sep 3 00:40 Documents
drwx-----@ 244 bharathi staff 7808 Sep 3 19:59 Downloads
drwxr-xr-x  9 bharathi staff   288 Mar 13 2023 HelloWorldLightningWebComponent
drwx-----@ 90 bharathi staff 2880 Sep 3 14:56 Library
drwx----- 4 bharathi staff   128 Nov 4 2022 Movies
drwx-----+ 4 bharathi staff   128 Nov 4 2022 Music
drwx-----+ 4 bharathi staff   128 Nov 4 2022 Pictures
drwxr-xr-x  3 bharathi staff    96 Jun 23 2023 Postman
drwxr-xr-x  3 bharathi staff    96 Aug 28 09:43 Projects
drwxr-xr-x+ 4 bharathi staff   128 Nov 4 2022 Public
-rw-r--r--  1 bharathi staff 14386 Sep 1 16:03 Untitled.ipynb
drwxr-xr-x  3 bharathi staff    96 May 30 13:27 eclipse
drwxr-xr-x  4 bharathi staff   128 May 30 18:13 eclipse-workspace
drwxr-xr-x  8 bharathi staff   256 Sep 1 12:03 myenv
bharathi@Bharathis-MacBook-Air ~ % cd Applications
bharathi@Bharathis-MacBook-Air Applications %
bharathi@Bharathis-MacBook-Air Applications % ls
bharathi@Bharathis-MacBook-Air Applications % ls -l
total 0
bharathi@Bharathis-MacBook-Air Applications %
bharathi@Bharathis-MacBook-Air Applications % pwd
/Users/bharathi/Applications
bharathi@Bharathis-MacBook-Air Applications %
bharathi@Bharathis-MacBook-Air Applications % cd /Applications/
bharathi@Bharathis-MacBook-Air /Applications %
bharathi@Bharathis-MacBook-Air /Applications %
bharathi@Bharathis-MacBook-Air /Applications % ls -lrth
total 8
drwxr-xr-x  3 root    wheel   968 Oct 18 2022 Utilities
lrwxr-xr-x@ 1 root    wheel   548 Oct 18 2022 Safari.app -> ../System/Cryptexes/App/System/Applications/Safari.app
drwxr-xr-x  3 bharathi admin   968 Oct 27 2022 LibreOffice.app
drwxr-xr-x@ 3 root    wheel   968 Nov 4 2022 TeamViewer.app
drwxr-xr-x@ 10 root    wheel  3208 Nov 9 2022 Python 3.11
drwxrwxr-x@ 3 root    wheel   968 Nov 20 2022 Microsoft Word.app
drwxrwxr-x  5 root    admin  1608 Feb 24 2023 LockDown Browser OEM.app
drwxr-xr-x  3 bharathi staff   968 Jul 10 2023 Postman.app
drwxr-xr-x  3 bharathi admin   968 Dec 18 2023 ETS Secure Browser.app
drwxr-xr-x@ 3 bharathi staff   968 Mar 18 14:24 Guardian Browser.app
drwxrwxr-x@ 3 bharathi admin   968 May 10 09:45 Google Chrome.app
drwxr-xr-x@ 3 bharathi staff   968 Aug 7 13:04 Visual Studio.app
drwxr-xr-x@ 10 root    wheel  3208 Sep 1 11:30 Python 3.12
drwxr-xr-x@ 3 root    wheel   968 Sep 1 16:06 zoom.us.app
drwxr-xr-x@ 3 root    admin   968 Sep 3 14:55 VirtualBox.app
-rw-r--r--@ 1 bharathi staff   1.6K Sep 3 19:41 KEY-1.pem
bharathi@Bharathis-MacBook-Air /Applications %
bharathi@Bharathis-MacBook-Air /Applications %
bharathi@Bharathis-MacBook-Air /Applications % pwd
/Applications
bharathi@Bharathis-MacBook-Air /Applications %
bharathi@Bharathis-MacBook-Air /Applications %
bharathi@Bharathis-MacBook-Air /Applications % mv KEY-1.pem /Users/bharathi
bharathi@Bharathis-MacBook-Air /Applications % cd /Users/bharathi
bharathi@Bharathis-MacBook-Air ~ % ls -l
total 40
drwx-----@ 3 bharathi staff   96 Jan 20 2023 Applications
drwx-----+ 90 bharathi staff 2880 Sep 3 19:56 Desktop
drwx-----@ 9 bharathi staff   288 Sep 3 00:40 Documents
drwx-----@ 244 bharathi staff 7808 Sep 3 19:59 Downloads
drwxr-xr-x  9 bharathi staff   288 Mar 13 2023 HelloWorldLightningWebComponent
-rw-r--r--@ 1 bharathi staff  1674 Sep 3 19:41 KEY-1.pem
drwx-----@ 90 bharathi staff 2880 Sep 3 14:56 Library
drwx----- 4 bharathi staff   128 Nov 4 2022 Movies
drwx-----+ 4 bharathi staff   128 Nov 4 2022 Music
drwx-----+ 4 bharathi staff   128 Nov 4 2022 Pictures
drwxr-xr-x  3 bharathi staff    96 Jun 23 2023 Postman
drwxr-xr-x  3 bharathi staff    96 Aug 28 09:43 Projects
drwxr-xr-x+ 4 bharathi staff   128 Nov 4 2022 Public
-rw-r--r--  1 bharathi staff 14386 Sep 1 16:03 Untitled.ipynb
drwxr-xr-x  3 bharathi staff    96 May 30 13:27 eclipse
drwxr-xr-x  4 bharathi staff   128 May 30 18:13 eclipse-workspace
drwxr-xr-x  8 bharathi staff   256 Sep 1 12:03 myenv
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ls -lrth
total 40
drwxr-xr-x+ 4 bharathi staff  1288 Nov 4 2022 Public
drwx-----+ 4 bharathi staff  1288 Nov 4 2022 Pictures
drwx-----+ 4 bharathi staff  1288 Nov 4 2022 Music
drwx-----+ 4 bharathi staff  1288 Nov 4 2022 Movies
drwx-----@ 3 bharathi staff   968 Jan 20 2023 Applications
drwxr-xr-x  9 bharathi staff  2888 Mar 13 2023 HelloWorldLightningWebComponent
drwxr-xr-x  3 bharathi staff   968 Jun 23 2023 Postman
drwxr-xr-x  3 bharathi staff   968 May 30 13:27 eclipse
drwxr-xr-x  4 bharathi staff  1288 May 30 18:13 eclipse-workspace
drwxr-xr-x  3 bharathi staff   968 Aug 28 09:43 Projects
drwxr-xr-x  8 bharathi staff  2568 Sep 1 12:03 myenv
-rw-r--r--  1 bharathi staff   1.6K Sep 1 16:03 Untitled.ipynb
drwx-----@ 9 bharathi staff  2888 Sep 3 00:40 Documents
drwx-----@ 90 bharathi staff   2.8K Sep 3 14:56 Library
-rw-r--r--@ 1 bharathi staff   1.6K Sep 3 19:41 KEY-1.pem
drwx-----+ 90 bharathi staff   2.8K Sep 3 19:56 Desktop
drwx-----@ 244 bharathi staff   7.6K Sep 3 19:59 Downloads
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ls -lth
total 40
drwx-----@ 244 bharathi staff   7.6K Sep 3 19:59 Downloads
drwx-----+ 90 bharathi staff   2.8K Sep 3 19:56 Desktop
-rw-r--r--@ 1 bharathi staff   1.6K Sep 3 19:41 KEY-1.pem
drwx-----@ 90 bharathi staff   2.8K Sep 3 14:56 Library
drwx-----@ 9 bharathi staff   2888 Sep 3 00:40 Documents
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-rw-r--r-- 1 bharathi staff 14K Sep 1 16:03 Untitled.ipynb
drwxr-xr-x 8 bharathi staff 256B Sep 1 12:03 myenv
drwxr-xr-x 3 bharathi staff 96B Aug 28 09:43 Projects
drwxr-xr-x 4 bharathi staff 128B May 30 18:13 eclipse-workspace
drwxr-xr-x 3 bharathi staff 96B May 30 13:27 eclipse
drwxr-xr-x 3 bharathi staff 96B Jun 23 2023 Postman
drwxr-xr-x 9 bharathi staff 288B Mar 13 2023 HelloWorldLightningWebComponent
drwx-----@ 3 bharathi staff 96B Jan 20 2023 Applications
drwx----- 4 bharathi staff 128B Nov 4 2022 Movies
drwx-----+ 4 bharathi staff 128B Nov 4 2022 Music
drwx-----+ 4 bharathi staff 128B Nov 4 2022 Pictures
drwxr-xr-x+ 4 bharathi staff 128B Nov 4 2022 Public
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ec2-user@ec2-54-193-196-99.us-west-1.compute.amazonaws.com
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ec2-user@54.193.196.99
^C
bharathi@Bharathis-MacBook-Air ~ % ping ec2-54-193-196-99.us-west-1.compute.amazonaws.com
PING ec2-54-193-196-99.us-west-1.compute.amazonaws.com (54.193.196.99): 56 data bytes
Request timeout for icmp_seq 0
Request timeout for icmp_seq 1
Request timeout for icmp_seq 2
Request timeout for icmp_seq 3
Request timeout for icmp_seq 4
Request timeout for icmp_seq 5
Request timeout for icmp_seq 6
^C
--- ec2-54-193-196-99.us-west-1.compute.amazonaws.com ping statistics ---
8 packets transmitted, 0 packets received, 100.0% packet loss
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ec2-user@54.193.196.99
^C
bharathi@Bharathis-MacBook-Air ~ % traceroute ec2-54-193-196-99.us-west-1.compute.amazonaws.com
traceroute to ec2-54-193-196-99.us-west-1.compute.amazonaws.com (54.193.196.99), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 15.634 ms 4.268 ms 4.379 ms
 2 10.112.236.194 (10.112.236.194) 13.607 ms
   10.112.236.195 (10.112.236.195) 17.774 ms 18.147 ms
 3 po-108-rur201.santaclara.ca.sfbacomcast.net (162.151.31.241) 18.984 ms
   po-108-rur202.santaclara.ca.sfbacomcast.net (162.151.31.245) 17.367 ms
   po-108-rur201.santaclara.ca.sfbacomcast.net (162.151.31.241) 19.767 ms
 4 po-2-rur201.santaclara.ca.sfbacomcast.net (68.85.154.229) 22.691 ms
   po-208-rar01.santaclara.ca.sfbacomcast.net (68.85.154.113) 16.287 ms
   po-2-rur201.santaclara.ca.sfbacomcast.net (68.85.154.229) 15.014 ms
 5 ae-242-rar01.santaclara.ca.sfbacomcast.net (96.108.99.249) 17.840 ms 21.068 ms
   po-208-rar01.santaclara.ca.sfbacomcast.net (68.85.154.113) 17.015 ms
 6 be-39941-cs04.sunnyvale.ca.ibercomcast.net (96.110.41.125) 17.524 ms
   ae-242-rar01.santaclara.ca.sfbacomcast.net (96.108.99.249) 17.415 ms
   be-39931-cs03.sunnyvale.ca.ibercomcast.net (96.110.41.121) 17.370 ms
 7 be-39911-cs01.sunnyvale.ca.ibercomcast.net (96.110.41.113) 15.917 ms
   be-3412-pe12.529bryant.ca.ibercomcast.net (96.110.33.110) 19.766 ms
   be-39921-cs02.sunnyvale.ca.ibercomcast.net (96.110.41.117) 19.149 ms
 8 50.242.149.166 (50.242.149.166) 18.113 ms
   be-3412-pe12.529bryant.ca.ibercomcast.net (96.110.33.110) 16.977 ms
   50.242.150.122 (50.242.150.122) 17.075 ms
 9 71.25.196.98 (71.25.196.98) 15.260 ms
   52.93.141.139 (52.93.141.139) 24.956 ms
   66.208.232.58 (66.208.232.58) 21.715 ms
10 54.240.243.39 (54.240.243.39) 17.465 ms
   52.93.141.201 (52.93.141.201) 17.224 ms
   52.93.141.193 (52.93.141.193) 19.355 ms
11 * 54.240.243.77 (54.240.243.77) 16.605 ms *
12 * * *
13 * * *
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % traceroute 13.56.181.100
traceroute to 13.56.181.100 (13.56.181.100), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 13.418 ms 6.209 ms 4.311 ms
 2 10.112.236.194 (10.112.236.194) 17.309 ms
   10.112.236.195 (10.112.236.195) 16.801 ms 18.522 ms
 3 po-108-rur201.santaclara.ca.sfbacomcast.net (162.151.31.241) 20.890 ms
   po-108-rur202.santaclara.ca.sfbacomcast.net (162.151.31.245) 13.336 ms
   po-108-rur201.santaclara.ca.sfbacomcast.net (162.151.31.241) 17.964 ms
 4 po-2-rur201.santaclara.ca.sfbacomcast.net (68.85.154.229) 17.459 ms
   po-208-rar01.santaclara.ca.sfbacomcast.net (68.85.154.113) 16.758 ms
   po-2-rur201.santaclara.ca.sfbacomcast.net (68.85.154.229) 15.676 ms
 5 ae-242-rar01.santaclara.ca.sfbacomcast.net (96.108.99.249) 30.913 ms 38.877 ms
   po-208-rar01.santaclara.ca.sfbacomcast.net (68.85.154.113) 71.747 ms
 6 be-39931-cs03.sunnyvale.ca.ibercomcast.net (96.110.41.121) 15.976 ms
   ae-242-rar01.santaclara.ca.sfbacomcast.net (96.108.99.249) 15.682 ms *
 7 be-39921-cs02.sunnyvale.ca.ibercomcast.net (96.110.41.117) 25.362 ms
   be-3112-pe12.529bryant.ca.ibercomcast.net (96.110.33.98) 15.939 ms
   be-39941-cs04.sunnyvale.ca.ibercomcast.net (96.110.41.125) 15.329 ms
 8 66.208.232.58 (66.208.232.58) 17.108 ms
   be-3312-pe12.529bryant.ca.ibercomcast.net (96.110.33.106) 17.603 ms
   71.25.196.102 (71.25.196.102) 69.200 ms
 9 66.208.232.62 (66.208.232.62) 16.030 ms
   52.93.141.181 (52.93.141.181) 15.593 ms
   50.242.149.166 (50.242.149.166) 63.558 ms
10 54.240.243.99 (54.240.243.99) 15.414 ms
   52.93.141.137 (52.93.141.137) 17.262 ms
   52.93.141.241 (52.93.141.241) 19.388 ms
11 * 150.222.111.81 (150.222.111.81) 19.051 ms *
12 * * *
^C
bharathi@Bharathis-MacBook-Air ~ % ip addr
zsh: command not found: ip
bharathi@Bharathis-MacBook-Air ~ % ifconfig
lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
options=1203<RXCSUM, TXCSUM, TXSTATUS, SW_TIMESTAMP>
inet 127.0.0.1 netmask 0xffff0000
inet6 ::1 prefixlen 128
inet6 fe80::1%lo0 prefixlen 64 scopeid 0x1
nd6 options=201<PERFORMNUD,DAD>
gif0: flags=8010<POINTOPOINT,MULTICAST> mtu 1280
stf0: flags=0<> mtu 1280
en3: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
ether ac:de:48:00:11:22
inet6 fe80::ade:48ff:fe00:1122%en3 prefixlen 64 scopeid 0x4
nd6 options=201<PERFORMNUD,DAD>
media: autoselect (100baseTX <full-duplex>)
status: active
ap1: flags=8802<BROADCAST,SIMPLEX,MULTICAST> mtu 1500
options=400<CHANNEL_IO>
ether 36:7d:da:b5:f8:c7
media: autoselect
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
options=6463<RXCSUM, TXCSUM, TSO4, TSO6, CHANNEL_IO, PARTIAL_CSUM, ZEROINVERT_CSUM>
ether 14:7d:da:b5:f8:c7
inet6 fe80::c59:b17:faee:29e3%en0 prefixlen 64 secured scopeid 0x6
inet6 2601:647:4d84:18d0:c27:6f4f:9882:1711 prefixlen 64 autoconf secured
inet6 2601:647:4d84:18d0:44e7:cc56:3cc9cce prefixlen 64 autoconf temporary
inet 10.0.0.5 netmask 0xfffffff0 broadcast 10.0.0.255
inet6 2601:647:4d84:18d0::460e prefixlen 64 dynamic
nd6 options=201<PERFORMNUD,DAD>
media: autoselect
status: active
awd10: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
options=6463<RXCSUM, TXCSUM, TSO4, TSO6, CHANNEL_IO, PARTIAL_CSUM, ZEROINVERT_CSUM>
ether 66:2a:fb:58:a9:77
inet6 fe80::642a:fbff:fe58:a977%awd10 prefixlen 64 scopeid 0x7
nd6 options=201<PERFORMNUD,DAD>
media: autoselect
status: active
bridge0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
options=63<RXCSUM, TXCSUM, TSO4, TSO6>
ether 1a:c8:27:42:f8:01
Configuration:
id 0:0:0:0:0:0 priority 0 hellotime 0 fwhdelay 0
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maxage 0 holdent 0 proto stp maxaddr 100 timeout 1200
root id 0:0:0:0:0:0 priority 0 ifcost 0 port 0
ipfilter disabled flags 0x0
member: en1 flags=3<LEARNING,DISCOVER>
        ifmaxaddr 0 port 10 priority 0 path cost 0
member: en2 flags=3<LEARNING,DISCOVER>
        ifmaxaddr 0 port 11 priority 0 path cost 0
nd6 options=201<PERFORMNUD,DAD>
media: <unknown type>
status: inactive
llw0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
options=400<CHANNEL_IO>
ether 66:2a:fb:58:a9:77
inet6 fe80::642a:fbff:fe58:a977%llw0 prefixlen 64 scopeid 0x9
nd6 options=201<PERFORMNUD,DAD>
media: autoselect
status: inactive
en1: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
options=460<TSO4,TSO6,CHANNEL_IO>
ether 1a:c8:27:42:f8:01
media: autoselect <full-duplex>
status: inactive
en2: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
options=460<TSO4,TSO6,CHANNEL_IO>
ether 1a:c8:27:42:f8:00
media: autoselect <full-duplex>
status: inactive
utun0: flags=8051<UP,POINTOPOINT,RUNNING,MULTICAST> mtu 1380
inet6 fe80::d969:2d98:cf4d:9825%utun0 prefixlen 64 scopeid 0xc
nd6 options=201<PERFORMNUD,DAD>
utun1: flags=8051<UP,POINTOPOINT,RUNNING,MULTICAST> mtu 2000
inet6 fe80::5d99:294f:4e48:991b%utun1 prefixlen 64 scopeid 0xd
nd6 options=201<PERFORMNUD,DAD>
utun2: flags=8051<UP,POINTOPOINT,RUNNING,MULTICAST> mtu 1000
inet6 fe80::ce81:b1c:bd2c:696%utun2 prefixlen 64 scopeid 0xe
nd6 options=201<PERFORMNUD,DAD>
bharathi@Bharathis-MacBook-Air ~ % traceroute 54.193.196.99
traceroute to 54.193.196.99 (54.193.196.99), 64 hops max, 52 byte packets
 1  10.0.0.1 (10.0.0.1)  10.486 ms  5.332 ms  4.667 ms
 2  10.112.236.195 (10.112.236.195)  13.380 ms
   10.112.236.194 (10.112.236.194)  14.009 ms  14.908 ms
 3  po-108-rur202.santaclara.ca.sfbacomcast.net (162.151.31.245)  18.217 ms
   po-108-rur201.santaclara.ca.sfbacomcast.net (162.151.31.241)  18.180 ms
   po-108-rur202.santaclara.ca.sfbacomcast.net (162.151.31.245)  13.094 ms
 4  po-200-xar01.santaclara.ca.sfbacomcast.net (68.85.154.113)  15.771 ms
   po-2-rur201.santaclara.ca.sfbacomcast.net (68.85.154.229)  18.244 ms
   po-200-xar01.santaclara.ca.sfbacomcast.net (68.85.154.113)  13.757 ms
 5  po-200-xar01.santaclara.ca.sfbacomcast.net (68.85.154.113)  12.298 ms  18.018 ms
   ae-242-rar01.santaclara.ca.sfbacomcast.net (96.108.99.249)  14.524 ms
 6  ae-242-rar01.santaclara.ca.sfbacomcast.net (96.108.99.249)  19.606 ms
   be-39921-cs02.sunnyvale.ca.ibone.comcast.net (96.110.41.117)  15.582 ms
   ae-242-rar01.santaclara.ca.sfbacomcast.net (96.108.99.249)  17.808 ms
 7  be-3212-pe12.529bryant.ca.ibone.comcast.net (96.110.33.102)  16.934 ms
   be-39911-cs01.sunnyvale.ca.ibone.comcast.net (96.110.41.113)  15.101 ms
   be-3211-pe11.529bryant.ca.ibone.comcast.net (96.110.33.86)  18.100 ms
 8  be-3311-pe11.529bryant.ca.ibone.comcast.net (96.110.33.90)  16.686 ms
   50.242.150.122 (50.242.150.122)  18.100 ms
   be-3211-pe11.529bryant.ca.ibone.comcast.net (96.110.33.86)  13.848 ms
 9  52.93.141.177 (52.93.141.177)  26.175 ms
   50.242.150.122 (50.242.150.122)  17.630 ms
   52.93.141.185 (52.93.141.185)  16.168 ms
10  52.93.141.157 (52.93.141.157)  19.553 ms
   54.240.243.137 (54.240.243.137)  16.729 ms
   150.222.111.121 (150.222.111.121)  495.429 ms
11  54.240.243.17 (54.240.243.17)  19.497 ms *
   54.240.243.59 (54.240.243.59)  24.894 ms
12  * * *
13  * * *
14  * * *
15  * * *
16  * * *
17  * * *
18  * * *
19  * * *
20  * * *
21  * * *
22  * * *
23  * * *
24  * * *
25  * * *
26  * * *
27  * * *
28  * * *
29  * * *
30  * * *
31  * * *
32  * * *
33  * * *
34  * * *
35  * * *
36  * * *
traceroute: sendto: Can't assign requested address
37 traceroute: wrote 54.193.196.99 52 chars, ret=-1
*traceroute: sendto: Can't assign requested address
traceroute: wrote 54.193.196.99 52 chars, ret=-1
*
38  * * *
39  * * *
40  * * *
41 * *traceroute: sendto: Can't assign requested address
traceroute: wrote 54.193.196.99 52 chars, ret=-1
*
traceroute: sendto: Can't assign requested address
42 traceroute: wrote 54.193.196.99 52 chars, ret=-1
*traceroute: sendto: Can't assign requested address
traceroute: wrote 54.193.196.99 52 chars, ret=-1
*traceroute: sendto: Can't assign requested address
traceroute: wrote 54.193.196.99 52 chars, ret=-1
*
traceroute: sendto: Can't assign requested address
43 traceroute: wrote 54.193.196.99 52 chars, ret=-1
*traceroute: sendto: Can't assign requested address
traceroute: wrote 54.193.196.99 52 chars, ret=-1
^C
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ping ec2-54-193-196-99.us-west-1.compute.amazonaws.com
PING ec2-54-193-196-99.us-west-1.compute.amazonaws.com (54.193.196.99): 56 data bytes
Request timeout for icmp_seq 0
Request timeout for icmp_seq 1
Request timeout for icmp_seq 2
^C
--- ec2-54-193-196-99.us-west-1.compute.amazonaws.com ping statistics ---
4 packets transmitted, 0 packets received, 100.0% packet loss
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ping 52.93.141.241
PING 52.93.141.241 (52.93.141.241): 56 data bytes
Request timeout for icmp_seq 0
^C
--- 52.93.141.241 ping statistics ---
2 packets transmitted, 0 packets received, 100.0% packet loss
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ping 54.193.196.99
PING 54.193.196.99 (54.193.196.99): 56 data bytes

```

```
Request timeout for icmp_seq 0
Request timeout for icmp_seq 1
^C
--- 54.193.196.99 ping statistics ---
3 packets transmitted, 0 packets received, 100.0% packet loss
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ec2-user@54.193.196.99
The authenticity of host '54.193.196.99 (54.193.196.99)' can't be established.
ED25519 key fingerprint is SHA256:2K50F6aVWg98eHEqGAJfEpedT6ECxB+FC6KkgxbuW5Y.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.193.196.99' (ED25519) to the list of known hosts.
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@    WARNING: UNPROTECTED PRIVATE KEY FILE!    @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
Permissions 0644 for '/Users/bharathi/KEY-1.pem' are too open.
It is required that your private key files are NOT accessible by others.
This private key will be ignored.
Load key "/Users/bharathi/KEY-1.pem": bad permissions
ec2-user@54.193.196.99: Permission denied (publickey).
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@54.193.196.99
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@    WARNING: UNPROTECTED PRIVATE KEY FILE!    @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
Permissions 0644 for '/Users/bharathi/KEY-1.pem' are too open.
It is required that your private key files are NOT accessible by others.
This private key will be ignored.
Load key "/Users/bharathi/KEY-1.pem": bad permissions
ubuntu@54.193.196.99: Permission denied (publickey).
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ls -l
total 40
drwx-----@ 3 bharathi staff 96 Jan 20 2023 Applications
drwx-----+ 90 bharathi staff 2880 Sep 3 19:56 Desktop
drwx-----@ 9 bharathi staff 288 Sep 3 00:40 Documents
drwx-----@ 244 bharathi staff 7808 Sep 3 19:59 Downloads
drwxr-xr-x 9 bharathi staff 288 Mar 13 2023 HelloWorldLightningWebComponent
-rw-r--r--@ 1 bharathi staff 1674 Sep 3 19:41 KEY-1.pem
drwx-----@ 90 bharathi staff 2880 Sep 3 14:56 Library
drwx----- 4 bharathi staff 128 Nov 4 2022 Movies
drwx-----+ 4 bharathi staff 128 Nov 4 2022 Music
drwx-----+ 4 bharathi staff 128 Nov 4 2022 Pictures
drwxr-xr-x 3 bharathi staff 96 Jun 23 2023 Postman
drwxr-xr-x 3 bharathi staff 96 Aug 28 09:43 Projects
drwxr-xr-x+ 4 bharathi staff 128 Nov 4 2022 Public
-rw-r--r-- 1 bharathi staff 14386 Sep 1 16:03 Untitled.ipynb
drwxr-xr-x 3 bharathi staff 96 May 30 13:27 eclipse
drwxr-xr-x 4 bharathi staff 128 May 30 18:13 eclipse-workspace
drwxr-xr-x 8 bharathi staff 256 Sep 1 12:03 myenv
bharathi@Bharathis-MacBook-Air ~ % chmod 400 KEY-1.pem
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ls -l
total 40
drwx-----@ 3 bharathi staff 96 Jan 20 2023 Applications
drwx-----+ 90 bharathi staff 2880 Sep 3 19:56 Desktop
drwx-----@ 9 bharathi staff 288 Sep 3 00:40 Documents
drwx-----@ 244 bharathi staff 7808 Sep 3 19:59 Downloads
drwxr-xr-x 9 bharathi staff 288 Mar 13 2023 HelloWorldLightningWebComponent
-rw-r--r--@ 1 bharathi staff 1674 Sep 3 19:41 KEY-1.pem
drwx-----@ 90 bharathi staff 2880 Sep 3 14:56 Library
drwx----- 4 bharathi staff 128 Nov 4 2022 Movies
drwx-----+ 4 bharathi staff 128 Nov 4 2022 Music
drwx-----+ 4 bharathi staff 128 Nov 4 2022 Pictures
drwxr-xr-x 3 bharathi staff 96 Jun 23 2023 Postman
drwxr-xr-x 3 bharathi staff 96 Aug 28 09:43 Projects
drwxr-xr-x+ 4 bharathi staff 128 Nov 4 2022 Public
-rw-r--r-- 1 bharathi staff 14386 Sep 1 16:03 Untitled.ipynb
drwxr-xr-x 3 bharathi staff 96 May 30 13:27 eclipse
drwxr-xr-x 4 bharathi staff 128 May 30 18:13 eclipse-workspace
drwxr-xr-x 8 bharathi staff 256 Sep 1 12:03 myenv
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ec2-user@54.193.196.99
ec2-user@54.193.196.99: Permission denied (publickey).
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@54.193.196.99
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 Wed Sep 4 05:32:33 UTC 2024

System load:  0.0          Processes:    105
Usage of /:   22.9% of 6.71GB   Users logged in: 0
Memory usage: 30%          IPv4 address for enX0: 172.31.30.70
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.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-30-70:~$ ls
ubuntu@ip-172-31-30-70:~$
ubuntu@ip-172-31-30-70:~$
ubuntu@ip-172-31-30-70:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enX0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 02:ff:db:da:5e:27 brd ff:ff:ff:ff:ff:ff
    inet 172.31.30.70/20 metric 100 brd 172.31.31.255 scope global dynamic enX0
        valid_lft 3191sec preferred_lft 3191sec
    inet6 fe80::ff:dbff:fd5a:5e27/64 scope link
        valid_lft forever preferred_lft forever
ubuntu@ip-172-31-30-70:~$
ubuntu@ip-172-31-30-70:~$
ubuntu@ip-172-31-30-70:~$ ^C
ubuntu@ip-172-31-30-70:~$
logout
```

```
Connection to 54.193.196.99 closed.
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@13.56.181.100
ssh: connect to host 13.56.181.100 port 22: Operation timed out
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@54.193.196.99
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 Wed Sep  4 05:38:07 UTC 2024

System load:  0.0          Processes:           108
Usage of /:   23.1% of 6.71GB Users logged in:       0
Memory usage: 31%         IPv4 address for enX0: 172.31.30.70
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
```

```
Last login: Wed Sep  4 05:32:34 2024 from 166.177.251.190
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

```
ubuntu@ip-172-31-30-70:~$ ^C
ubuntu@ip-172-31-30-70:~$
logout
Connection to 54.193.196.99 closed.
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@13.56.181.100
The authenticity of host '13.56.181.100 (13.56.181.100)' can't be established.
ED25519 key fingerprint is SHA256:Uj1o2twdWvXF+dXc7udoD4T6E7MA3gU87MKNgokG+y4.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? ^C
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@13.56.181.100
The authenticity of host '13.56.181.100 (13.56.181.100)' can't be established.
ED25519 key fingerprint is SHA256:Uj1o2twdWvXF+dXc7udoD4T6E7MA3gU87MKNgokG+y4.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? Y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '13.56.181.100' (ED25519) to the list of known hosts.
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 Wed Sep  4 05:40:28 UTC 2024

System load:  0.04          Processes:           106
Usage of /:   22.9% of 6.71GB Users logged in:       0
Memory usage: 30%         IPv4 address for enX0: 172.31.24.21
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.
```

```
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
```

```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

```
ubuntu@ip-172-31-24-21:~$
logout
Connection to 13.56.181.100 closed.
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@13.56.181.100
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 Wed Sep  4 05:40:28 UTC 2024

System load:  0.04          Processes:           106
Usage of /:   22.9% of 6.71GB Users logged in:       0
Memory usage: 30%         IPv4 address for enX0: 172.31.24.21
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
```

```
Last login: Wed Sep  4 05:40:29 2024 from 24.130.212.211
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

```
ubuntu@ip-172-31-24-21:~$
logout
Connection to 13.56.181.100 closed.
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % traceroute 54.193.196.99
traceroute to 54.193.196.99 (54.193.196.99), 64 hops max, 52 byte packets
 1  10.0.0.1 (10.0.0.1)  55.887 ms  5.542 ms  5.495 ms
 2  10.112.236.195 (10.112.236.195)  16.400 ms
   10.112.236.194 (10.112.236.194)  14.991 ms  17.367 ms
 3  po-108-rur202.santaclara.ca.sfb.comcast.net (162.151.31.245)  15.058 ms
   po-108-rur201.santaclara.ca.sfb.comcast.net (162.151.31.241)  13.867 ms
   po-108-rur202.santaclara.ca.sfb.comcast.net (162.151.31.245)  15.434 ms
 4  po-200-xar01.santaclara.ca.sfb.comcast.net (68.85.154.113)  18.578 ms
   po-2-rur201.santaclara.ca.sfb.comcast.net (68.85.154.229)  15.206 ms
   po-200-xar01.santaclara.ca.sfb.comcast.net (68.85.154.113)  15.357 ms
 5  po-200-xar01.santaclara.ca.sfb.comcast.net (68.85.154.113)  16.409 ms  17.151 ms
   ae-242-rar01.santaclara.ca.sfb.comcast.net (96.108.99.249)  19.172 ms
 6  ae-242-rar01.santaclara.ca.sfb.comcast.net (96.108.99.249)  17.895 ms * 163.176 ms
```

```
7 be-3311-pe11.529bryant.ca.ibone.comcast.net (96.110.33.90) 24.447 ms
be-39931-cs03.sunnyvale.ca.ibone.comcast.net (96.110.41.121) 16.911 ms
be-3211-pe11.529bryant.ca.ibone.comcast.net (96.110.33.86) 146.343 ms
8 be-3311-pe11.529bryant.ca.ibone.comcast.net (96.110.33.90) 12.322 ms
50.242.150.122 (50.242.150.122) 39.715 ms
be-3111-pe11.529bryant.ca.ibone.comcast.net (96.110.33.82) 19.861 ms
9 52.93.141.147 (52.93.141.147) 29.174 ms
50.242.150.122 (50.242.150.122) 17.525 ms
52.93.141.221 (52.93.141.221) 17.947 ms
10 52.93.141.155 (52.93.141.155) 70.589 ms
54.240.243.37 (54.240.243.37) 16.550 ms
54.240.243.41 (54.240.243.41) 18.771 ms
11 54.240.243.57 (54.240.243.57) 14.616 ms *
150.222.111.11 (150.222.111.11) 24.820 ms
* *C
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ %
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@13.56.181.100
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 Wed Sep  4 05:48:31 UTC 2024

System load:  0.0          Processes:           106
Usage of /:   23.1% of 6.71GB Users logged in:      0
Memory usage: 31%         IPv4 address for enX0: 172.31.24.21
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

Last login: Wed Sep  4 05:41:06 2024 from 24.130.212.211
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-24-21:~$ sudo apt update
Hit:1 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [381 kB]
Get:9 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:13 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [470 kB]
Get:14 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [117 kB]
Get:15 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [7812 B]
Get:16 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [348 kB]
Get:17 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [143 kB]
Get:18 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:19 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [13.8 kB]
Get:20 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [281 kB]
Get:21 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [54.8 kB]
Get:22 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [424 B]
Get:23 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [14.4 kB]
Get:24 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3608 B]
Get:25 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
Get:26 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [532 B]
Get:27 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:28 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:29 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [10.3 kB]
Get:30 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.5 kB]
Get:31 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.6 kB]
Get:32 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1012 B]
Get:33 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:34 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:35 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:36 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:37 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [324 kB]
Get:38 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [73.6 kB]
Get:39 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [4276 B]
Get:40 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [263 kB]
Get:41 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [119 kB]
Get:42 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:43 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [9936 B]
Get:44 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [280 kB]
Get:45 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [54.8 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [10.6 kB]
Get:47 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2808 B]
Get:48 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [288 B]
Get:49 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [344 B]
Fetched 28.7 MB in 4s (6642 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
105 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-24-21:~$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
0 upgraded, 10 newly installed, 0 to remove and 105 not upgraded.
Need to get 2083 kB of archives.
After this operation, 8094 kB of additional disk space will be used.
Get:1 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libapr1t64 amd64 1.7.2-3.1build2 [107 kB]
Get:2 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 kB]
Get:3 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1.1ubuntu7 [11.2 kB]
Get:4 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-ldap amd64 1.6.3-1.1ubuntu7 [9116 B]
Get:5 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 liblua5.4-0 amd64 5.4.6-3build2 [166 kB]
Get:6 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-bin amd64 2.4.58-1ubuntu8.4 [1329 kB]
Get:7 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-data all 2.4.58-1ubuntu8.4 [163 kB]
Get:8 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-utils amd64 2.4.58-1ubuntu8.4 [97.1 kB]
Get:9 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2 amd64 2.4.58-1ubuntu8.4 [90.2 kB]
Get:10 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 ssl-cert all 1.1.2ubuntu1 [17.8 kB]
Fetched 2083 kB in 0s (29.3 MB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1t64:amd64.
(Reading database ... 67741 files and directories currently installed.)
Preparing to unpack .../0-libapr1t64_1.7.2-3.1build2_amd64.deb ...
Unpacking libapr1t64:amd64 (1.7.2-3.1build2) ...
Selecting previously unselected package libaprutil1t64:amd64.
Preparing to unpack .../1-libaprutil1t64_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
```

```
Preparing to unpack .../2-libaprutil1-dbd-sqlite3_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../3-libaprutil1-ldap_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package liblua5.4-0:amd64.
Preparing to unpack .../4-liblua5.4-0_5.4.6-3build2_amd64.deb ...
Unpacking liblua5.4-0:amd64 (5.4.6-3build2) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../5-apache2-bin_2.4.58-1ubuntu8.4_amd64.deb ...
Unpacking apache2-bin (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../6-apache2-data_2.4.58-1ubuntu8.4_all.deb ...
Unpacking apache2-data (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../7-apache2-utils_2.4.58-1ubuntu8.4_amd64.deb ...
Unpacking apache2-utils (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package apache2.
Preparing to unpack .../8-apache2_2.4.58-1ubuntu8.4_amd64.deb ...
Unpacking apache2 (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package ssl-cert.
Preparing to unpack .../9-ssl-cert_1.1.2ubuntu1_all.deb ...
Unpacking ssl-cert (1.1.2ubuntu1) ...
Setting up ssl-cert (1.1.2ubuntu1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/ssl-cert.service → /usr/lib/systemd/system/ssl-cert.service.
Setting up libapr1t64:amd64 (1.7.2-3.1build2) ...
Setting up liblua5.4-0:amd64 (5.4.6-3build2) ...
Setting up apache2-data (2.4.58-1ubuntu8.4) ...
Setting up libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Setting up libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Setting up apache2-utils (2.4.58-1ubuntu8.4) ...
Setting up apache2-bin (2.4.58-1ubuntu8.4) ...
Setting up apache2 (2.4.58-1ubuntu8.4) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /usr/lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /usr/lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36.2-6) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.2) ...
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-172-31-24-21:~$ sudo systemctl start apache2
ubuntu@ip-172-31-24-21:~$ sudo nano /etc/apache2/ports.conf
ubuntu@ip-172-31-24-21:~$ sudo nano /etc/apache2/ports.conf
ubuntu@ip-172-31-24-21:~$ sudo nano /etc/apache2/sites-available/000-default.conf
ubuntu@ip-172-31-24-21:~$ sudo nano /etc/apache2/sites-available/000-default.conf
ubuntu@ip-172-31-24-21:~$ sudo systemctl restart apache2
ubuntu@ip-172-31-24-21:~$ sudo netstat -tulnp | grep :8080
sudo: netstat: command not found
ubuntu@ip-172-31-24-21:~$ echo "<h1>Hello World from SJSU-2</h1>" | sudo tee /var/www/html/index.html
<h1>Hello World from SJSU-2</h1>
ubuntu@ip-172-31-24-21:~$ ^C
ubuntu@ip-172-31-24-21:~$
logout
Connection to 13.56.181.100 closed.
bharathi@Bharathis-MacBook-Air ~ % ssh -i /Users/bharathi/KEY-1.pem ubuntu@54.193.196.99
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 Wed Sep 4 06:17:27 UTC 2024

System load:	0.0	Processes:	108
Usage of /:	23.1% of 6.71GB	Users logged in:	0
Memory usage:	30%	IPv4 address for enX0:	172.31.30.70
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`

Last login: Wed Sep 4 05:38:08 2024 from 24.130.212.211
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
ubuntu@ip-172-31-30-70:~$ sudo apt update
Hit:1 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [381 kB]
Get:9 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:13 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [470 kB]
```

```
Get:14 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [117 kB]
Get:15 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [7812 B]
Get:16 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [348 kB]
Get:17 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [143 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [324 kB]
Get:19 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:20 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [13.8 kB]
Get:21 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [281 kB]
Get:22 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [54.8 kB]
Get:23 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [424 B]
Get:24 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [14.4 kB]
Get:25 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3608 B]
Get:26 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
Get:27 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [532 B]
Get:28 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:29 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:30 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [10.3 kB]
Get:31 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.5 kB]
Get:32 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.6 kB]
Get:33 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1012 B]
Get:34 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:35 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:36 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:37 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:38 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [73.6 kB]
Get:39 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [4276 B]
Get:40 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [263 kB]
Get:41 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [110 kB]
Get:42 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:43 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [9936 B]
Get:44 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [280 kB]
Get:45 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [54.8 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [10.6 kB]
Get:47 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2008 B]
Get:48 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:49 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [344 B]
Fetched 28.7 MB in 6s (5196 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
105 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-30-70:~$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
0 upgraded, 10 newly installed, 0 to remove and 105 not upgraded.
Need to get 2083 kB of archives.
After this operation, 8094 kB of additional disk space will be used.
Get:1 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libapr1t64 amd64 1.7.2-3.1build2 [107 kB]
Get:2 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 kB]
Get:3 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1.1ubuntu7 [11.2 kB]
Get:4 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-ldap amd64 1.6.3-1.1ubuntu7 [9116 B]
Get:5 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 liblua5.4-0 amd64 5.4.6-3build2 [166 kB]
Get:6 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-bin amd64 2.4.58-1ubuntu8.4 [1329 kB]
Get:7 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-data all 2.4.58-1ubuntu8.4 [163 kB]
Get:8 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-utils amd64 2.4.58-1ubuntu8.4 [97.1 kB]
Get:9 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2 amd64 2.4.58-1ubuntu8.4 [90.2 kB]
Get:10 http://us-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 ssl-cert all 1.1.2ubuntu1 [17.8 kB]
Fetched 2083 kB in 0s (29.0 MB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1t64:amd64.
(Reading database ... 67741 files and directories currently installed.)
Preparing to unpack .../0-libapr1t64_1.7.2-3.1build2_amd64.deb ...
Unpacking libapr1t64:amd64 (1.7.2-3.1build2) ...
Selecting previously unselected package libaprutil1t64:amd64.
Preparing to unpack .../1-libaprutil1t64_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../2-libaprutil1-dbd-sqlite3_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../3-libaprutil1-ldap_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package liblua5.4-0:amd64.
Preparing to unpack .../4-liblua5.4-0_5.4.6-3build2_amd64.deb ...
Unpacking liblua5.4-0:amd64 (5.4.6-3build2) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../5-apache2-bin_2.4.58-1ubuntu8.4_amd64.deb ...
Unpacking apache2-bin (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../6-apache2-data_2.4.58-1ubuntu8.4_all.deb ...
Unpacking apache2-data (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../7-apache2-utils_2.4.58-1ubuntu8.4_amd64.deb ...
Unpacking apache2-utils (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package apache2.
Preparing to unpack .../8-apache2_2.4.58-1ubuntu8.4_amd64.deb ...
Unpacking apache2 (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package ssl-cert.
Preparing to unpack .../9-ssl-cert_1.1.2ubuntu1_all.deb ...
Unpacking ssl-cert (1.1.2ubuntu1) ...
Setting up ssl-cert (1.1.2ubuntu1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/ssl-cert.service → /usr/lib/systemd/system/ssl-cert.service.
Setting up libapr1t64:amd64 (1.7.2-3.1build2) ...
Setting up liblua5.4-0:amd64 (5.4.6-3build2) ...
Setting up apache2-data (2.4.58-1ubuntu8.4) ...
Setting up libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Setting up libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Setting up apache2-utils (2.4.58-1ubuntu8.4) ...
Setting up apache2-bin (2.4.58-1ubuntu8.4) ...
Setting up apache2 (2.4.58-1ubuntu8.4) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-ssl-ports-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /usr/lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /usr/lib/systemd/system/apache-htcacheclean.service.
```



```
Processing triggers for ufw (0.36.2-6) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.2) ...
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-172-31-30-70:~$ sudo systemctl start apache2
ubuntu@ip-172-31-30-70:~$ sudo nano /etc/apache2/ports.conf
ubuntu@ip-172-31-30-70:~$ sudo nano /etc/apache2/sites-available/000-default.conf
ubuntu@ip-172-31-30-70:~$ sudo systemctl restart apache2
ubuntu@ip-172-31-30-70:~$ echo "<h1>Hello World from SJSU-2</h1>" | sudo tee /var/www/html/index.html
<h1>Hello World from SJSU-2</h1>
ubuntu@ip-172-31-30-70:~$
logout
Connection to 54.193.196.99 closed.
bharathi@Bharathis-MacBook-Air ~ % sudo apt update
Password:
sudo: a password is required
bharathi@Bharathis-MacBook-Air ~ % pip list
zsh: command not found: pip
bharathi@Bharathis-MacBook-Air ~ % /bin/bash -c "$ (curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

==> Checking for `sudo` access (which may request your password)...

```
Password:
==> This script will install:
/usr/local/bin/brew
/usr/local/share/doc/homebrew
/usr/local/share/man/man1/brew.1
/usr/local/share/zsh/site-functions/_brew
/usr/local/etc/bash_completion.d/brew
/usr/local/Homebrew
==> The following existing directories will be made group writable:
/usr/local/bin
/usr/local/lib
/usr/local/share
==> The following existing directories will have their owner set to bharathi:
/usr/local/bin
/usr/local/lib
/usr/local/share
==> The following existing directories will have their group set to admin:
/usr/local/bin
/usr/local/lib
/usr/local/share
==> The following new directories will be created:
/usr/local/etc
/usr/local/include
/usr/local/sbin
/usr/local/var
/usr/local/opt
/usr/local/share/zsh
/usr/local/share/zsh/site-functions
/usr/local/var/homebrew
/usr/local/var/homebrew/linked
/usr/local/Cellar
/usr/local/Caskroom
/usr/local/Frameworks
Press RETURN/ENTER to continue or any other key to abort:
==> /usr/bin/sudo /bin/chmod u+rxw /usr/local/bin /usr/local/lib /usr/local/share
==> /usr/bin/sudo /bin/chmod g+rxw /usr/local/bin /usr/local/lib /usr/local/share
==> /usr/bin/sudo /usr/sbin/chown bharathi /usr/local/bin /usr/local/lib /usr/local/share
==> /usr/bin/sudo /usr/bin/chgrp admin /usr/local/bin /usr/local/lib /usr/local/share
==> /usr/bin/sudo /bin/mkdir -p /usr/local/etc /usr/local/include /usr/local/sbin /usr/local/var /usr/local/opt /usr/local/share/zsh /usr/local/share/zsh/site-functions /usr/local/var/homebrew /usr/local/
var/homebrew/linked /usr/local/Cellar /usr/local/Caskroom /usr/local/Frameworks
==> /usr/bin/sudo /bin/chmod ugrwx /usr/local/etc /usr/local/include /usr/local/sbin /usr/local/var /usr/local/opt /usr/local/share/zsh /usr/local/share/zsh/site-functions /usr/local/var/homebrew /usr/lo
cal/var/homebrew/linked /usr/local/Cellar /usr/local/Caskroom /usr/local/Frameworks
==> /usr/bin/sudo /bin/chmod go-w /usr/local/share/zsh /usr/local/share/zsh/site-functions
==> /usr/bin/sudo /usr/sbin/chown bharathi /usr/local/etc /usr/local/include /usr/local/sbin /usr/local/var /usr/local/opt /usr/local/share/zsh /usr/local/share/zsh/site-functions /usr/local/var/homebrew
/usr/local/var/homebrew/linked /usr/local/Cellar /usr/local/Caskroom /usr/local/Frameworks
==> /usr/bin/sudo /usr/bin/chgrp admin /usr/local/etc /usr/local/include /usr/local/sbin /usr/local/var /usr/local/opt /usr/local/share/zsh /usr/local/share/zsh/site-functions /usr/local/var/homebrew /usr
/local/var/homebrew/linked /usr/local/Cellar /usr/local/Caskroom /usr/local/Frameworks
==> /usr/bin/sudo /bin/mkdir -p /usr/local/Homebrew
==> /usr/bin/sudo /usr/sbin/chown -R bharathi:admin /usr/local/Homebrew
==> /usr/bin/sudo /bin/mkdir -p /Users/bharathi/Library/Caches/Homebrew
==> /usr/bin/sudo /bin/chmod g+rxw /Users/bharathi/Library/Caches/Homebrew
==> /usr/bin/sudo /usr/sbin/chown -R bharathi /Users/bharathi/Library/Caches/Homebrew
==> Downloading and installing Homebrew...
remote: Enumerating objects: 280426, done.
remote: Counting objects: 100% (23079/23079), done.
remote: Compressing objects: 100% (438/438), done.
remote: Total 280426 (delta 22825), reused 22488 (delta 22639), pack-reused 257347 (from 1)
Receiving objects: 100% (280426/280426), 82.30 MiB | 20.10 MiB/s, done.
Resolving deltas: 100% (202038/202038), done.
From https://github.com/Homebrew/brew
```

```
* [new branch]      auto-bump                -> origin/auto-bump
* [new branch]      cleaner-factory           -> origin/cleaner-factory
* [new branch]      cleaner-interface          -> origin/cleaner-interface
* [new branch]      dependabot/bundler/Library/Homebrew/logger-1.6.1 -> origin/dependabot/bundler/Library/Homebrew/logger-1.6.1
* [new branch]      dependabot/bundler/Library/Homebrew/rubocop-1.66.1 -> origin/dependabot/bundler/Library/Homebrew/rubocop-1.66.1
* [new branch]      depends-on-order-cop-blank-lines -> origin/depends-on-order-cop-blank-lines
* [new branch]      docker-git-gc             -> origin/docker-git-gc
* [new branch]      homebrew-user             -> origin/homebrew-user
* [new branch]      info-analytics-timeout     -> origin/info-analytics-timeout
* [new branch]      load-installed-casks       -> origin/load-installed-casks
* [new branch]      load-internal-cask-json-v3 -> origin/load-internal-cask-json-v3
* [new branch]      master                    -> origin/master
* [new branch]      no-deprecate-licenses      -> origin/no-deprecate-licenses
* [new branch]      skip-sorbet-assignments    -> origin/skip-sorbet-assignments
* [new branch]      sorbet-strict-random       -> origin/sorbet-strict-random
* [new branch]      srb-strict-extend-os-linux-diagnostic -> origin/srb-strict-extend-os-linux-diagnostic
* [new branch]      use-cask-tab-to-better-identify-installed-casks -> origin/use-cask-tab-to-better-identify-installed-casks
* [new branch]      zsh-completions-speedup    -> origin/zsh-completions-speedup
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* [new tag]          1.0.5                    -> 1.0.5
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* [new tag] 4.2.0 -> 4.2.0
* [new tag] 4.2.1 -> 4.2.1
* [new tag] 4.2.10 -> 4.2.10
* [new tag] 4.2.11 -> 4.2.11
* [new tag] 4.2.12 -> 4.2.12
* [new tag] 4.2.13 -> 4.2.13
* [new tag] 4.2.15 -> 4.2.15
* [new tag] 4.2.16 -> 4.2.16
* [new tag] 4.2.17 -> 4.2.17
* [new tag] 4.2.18 -> 4.2.18
* [new tag] 4.2.19 -> 4.2.19
* [new tag] 4.2.2 -> 4.2.2
* [new tag] 4.2.20 -> 4.2.20
* [new tag] 4.2.21 -> 4.2.21
* [new tag] 4.2.3 -> 4.2.3
* [new tag] 4.2.4 -> 4.2.4
* [new tag] 4.2.5 -> 4.2.5
* [new tag] 4.2.6 -> 4.2.6
* [new tag] 4.2.7 -> 4.2.7
* [new tag] 4.2.8 -> 4.2.8
* [new tag] 4.2.9 -> 4.2.9
* [new tag] 4.3.0 -> 4.3.0
* [new tag] 4.3.1 -> 4.3.1
* [new tag] 4.3.11 -> 4.3.11
* [new tag] 4.3.12 -> 4.3.12
* [new tag] 4.3.13 -> 4.3.13
* [new tag] 4.3.14 -> 4.3.14
* [new tag] 4.3.15 -> 4.3.15
* [new tag] 4.3.16 -> 4.3.16
* [new tag] 4.3.17 -> 4.3.17
* [new tag] 4.3.18 -> 4.3.18
* [new tag] 4.3.19 -> 4.3.19
* [new tag] 4.3.2 -> 4.3.2
* [new tag] 4.3.3 -> 4.3.3
* [new tag] 4.3.4 -> 4.3.4
* [new tag] 4.3.5 -> 4.3.5
* [new tag] 4.3.6 -> 4.3.6
* [new tag] 4.3.7 -> 4.3.7
* [new tag] 4.3.8 -> 4.3.8
* [new tag] 4.3.9 -> 4.3.9
remote: Enumerating objects: 55, done.
remote: Counting objects: 100% (34/34), done.
remote: Total 55 (delta 34), reused 34 (delta 34), pack-reused 21 (from 1)
Unpacking objects: 100% (55/55), 8.92 KiB | 105.00 KiB/s, done.
From https://github.com/Homebrew/brew
* [new tag] 4.0.29 -> 4.0.29
* [new tag] 4.1.9 -> 4.1.9
* [new tag] 4.2.14 -> 4.2.14
* [new tag] 4.3.10 -> 4.3.10
Switched to a new branch 'stable'
==> Updating Homebrew...
==> Downloading https://ghcr.io/v2/homebrew/portable-ruby/portable-ruby/blobs/sha256:bd12dc53d071ae477ce2ff4beaeb6ad71a9317271a63c3cd2f5d0427cf42f5c5
===== 100.0%
==> Pouring portable-ruby-3.3.4_1.el_capitan.bottle.tar.gz
==> Installation successful!

==> Homebrew has enabled anonymous aggregate formulae and cask analytics.
Read the analytics documentation (and how to opt-out) here:
  https://docs.brew.sh/Analytics
No analytics data has been sent yet (nor will any be during this install run).

==> Homebrew is run entirely by unpaid volunteers. Please consider donating:
  https://github.com/Homebrew/brew#donations

==> Next steps:
- Run these two commands in your terminal to add Homebrew to your PATH:
  (echo; echo 'eval "$(/usr/local/bin/brew shellenv)'" >> /Users/bharathi/.zprofile
  eval "$(/usr/local/bin/brew shellenv)"
- Run brew help to get started
- Further documentation:
  https://docs.brew.sh

```

```
bharathi@Bharathis-MacBook-Air ~ % brew --version
Homebrew 4.3.19
bharathi@Bharathis-MacBook-Air ~ % brew install ansible
=> Downloading https://ghcr.io/v2/homebrew/core/ansible/manifests/10.3.0 100.0%
=> Fetching dependencies for ansible: ca-certificates, certifi, pycparser, cffi, openssl3, cryptography, libssh, libyaml, mpdecimal, readline, sqlite, xz and python3.12
=> Downloading https://ghcr.io/v2/homebrew/core/ca-certificates/manifests/2024-07-02 100.0%
=> Fetching ca-certificates
=> Downloading https://ghcr.io/v2/homebrew/core/ca-certificates/blobs/sha256:73eb1a6bf9a5e12ee3f1acd295a4aaa28f08a9125a943a2d8dbf0aa65349c9db2 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/certifi/manifests/2024.8.30 100.0%
=> Fetching certifi
=> Downloading https://ghcr.io/v2/homebrew/core/certifi/blobs/sha256:b72c41cf69a1e7317f9994e6f0dbdf1abb3ada5d767db3c18d2b4ac63d1245d4 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/pycparser/manifests/2.22 100.0%
=> Fetching pycparser
=> Downloading https://ghcr.io/v2/homebrew/core/pycparser/blobs/sha256:493634a14bdd3491626f9b76d04161cdaa05165fb8efffa9bf780ef8d23d844 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/cffi/manifests/1.17.0 100.0%
=> Fetching cffi
=> Downloading https://ghcr.io/v2/homebrew/core/cffi/blobs/sha256:02f428835ad5ca182e3a3365f74b63da07ad91f47f634d475376585a31d321c27 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/openssl/3/manifests/3.3.2 100.0%
=> Fetching openssl3
=> Downloading https://ghcr.io/v2/homebrew/core/openssl/3/blobs/sha256:bfacd65431d2c774ab7e8ed770c32c8da81f7b3524f28a35d8b29fc1806493f 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/cryptography/manifests/43.0.1 100.0%
=> Fetching cryptography
=> Downloading https://ghcr.io/v2/homebrew/core/cryptography/blobs/sha256:5c2ade6777251ed43998fd39c1c3869205ceb50d5086b1333e7a15ee8c18cab 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/libssh/manifests/0.11.1 100.0%
=> Fetching libssh
=> Downloading https://ghcr.io/v2/homebrew/core/libssh/blobs/sha256:09014e05c296ec5452ea0958b8169b5d0ee8534b6f4b7f1bdc6055dfb35607f 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/libyaml/manifests/0.2.5 100.0%
=> Fetching libyaml
=> Downloading https://ghcr.io/v2/homebrew/core/libyaml/blobs/sha256:b49e62f014b3e7d85a169b422b7521356700c7caaaa9f4981086cafe692a86e 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/mpdecimal/manifests/4.0.0-1 100.0%
=> Fetching mpdecimal
=> Downloading https://ghcr.io/v2/homebrew/core/mpdecimal/blobs/sha256:bb1729bd410275aab1bd276f99f7b2678b6ad53de2c9c474fdda854ed0baebd 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/readline/manifests/8.2.13 100.0%
=> Fetching readline
=> Downloading https://ghcr.io/v2/homebrew/core/readline/blobs/sha256:62d86d4a8c7be5d56eaf5abb6477e4c95dc1821ef323bcb45b650dbf8f9bc4 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/sqlite/manifests/3.46.1 100.0%
=> Fetching sqlite
=> Downloading https://ghcr.io/v2/homebrew/core/sqlite/blobs/sha256:388f362cadd5e6c91e84a66635ebf101ff21e6e13f4b10981d2632a2ff3bd3f 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/xz/manifests/5.6.2 100.0%
=> Fetching xz
=> Downloading https://ghcr.io/v2/homebrew/core/xz/blobs/sha256:1f1b9ff7fe5e1938c2702db2834c0fa856d0134fa8ea14c1ab9799dada2952043 100.0%
=> Downloading https://ghcr.io/v2/homebrew/core/python/3.12/manifests/3.12.5 100.0%
=> Fetching python3.12
=> Downloading https://ghcr.io/v2/homebrew/core/python/3.12/blobs/sha256:af7af812d9b66edd1164ff99a0851da6658516b04746abee8c44d953dc8bc8e 100.0%
=> Fetching ansible
=> Downloading https://ghcr.io/v2/homebrew/core/ansible/blobs/sha256:7bcef34ee9d33e124a490b14685ccdf819daaf999873d946af300230377619b6 100.0%
=> Installing dependencies for ansible: ca-certificates, certifi, pycparser, cffi, openssl3, cryptography, libssh, libyaml, mpdecimal, readline, sqlite, xz and python3.12
=> Downloading https://ghcr.io/v2/homebrew/core/ca-certificates/manifests/2024-07-02
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/f1e786c502c23070efef17716aeaae181b28f0dcdb5327d6d7c243b49e7700--ca-certificates-2024-07-02.bottle_manifest.json
=> Pouring ca-certificates--2024-07-02.all.bottle.tar.gz
=> Regenerating CA certificate bundle from keychain, this may take a while...
  /usr/local/Cellar/ca-certificates/2024-07-02: 4 files, 231.3KB
=> Installing ansible dependency: certifi
=> Downloading https://ghcr.io/v2/homebrew/core/certifi/manifests/2024.8.30
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/47b207688319f2d252d26b1fdad0d4d775db223acc512f9723815a8e6849acf--certifi-2024.8.30.bottle_manifest.json
=> Pouring certifi--2024.8.30.ventura.bottle.tar.gz
  /usr/local/Cellar/certifi/2024.8.30: 27 files, 26KB
=> Installing ansible dependency: pycparser
=> Downloading https://ghcr.io/v2/homebrew/core/pycparser/manifests/2.22
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/eeee4f104b2ea32de9839123571bf8ac17b912a138005099f4e97992d3e6b03--pycparser-2.22.bottle_manifest.json
=> Pouring pycparser--2.22.ventura.bottle.tar.gz
  /usr/local/Cellar/pycparser/2.22: 74 files, 1.2MB
=> Installing ansible dependency: cffi
=> Downloading https://ghcr.io/v2/homebrew/core/cffi/manifests/1.17.0
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/7ceab5a46d67fed71a7c552f74da10c3f088bea94026224b4823d0d3783552--cffi-1.17.0.bottle_manifest.json
=> Pouring cffi--1.17.0.ventura.bottle.tar.gz
  /usr/local/Cellar/cffi/1.17.0: 66 files, 1.1MB
=> Installing ansible dependency: openssl3
=> Downloading https://ghcr.io/v2/homebrew/core/openssl/3/manifests/3.3.2
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/15a43beab5e5017b1a9fe7584f744a8195632fd196c23ee0e57ecf67e9f2a--openssl3-3.3.2.bottle_manifest.json
=> Pouring openssl3--3.3.2.ventura.bottle.tar.gz
  /usr/local/Cellar/openssl3/3.3.2: 6,984 files, 33.0MB
=> Installing ansible dependency: cryptography
=> Downloading https://ghcr.io/v2/homebrew/core/cryptography/manifests/43.0.1
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/6b9b03489d9e7fafe62e408b2844c219ad19ea2b272a8d76c0be8f7202a395c--cryptography-43.0.1.bottle_manifest.json
=> Pouring cryptography--43.0.1.ventura.bottle.tar.gz
  /usr/local/Cellar/cryptography/43.0.1: 216 files, 8.5MB
=> Installing ansible dependency: libssh
=> Downloading https://ghcr.io/v2/homebrew/core/libssh/manifests/0.11.1
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/359f14514c0bbe698a36753dc13e1fa33363993429a4af0da249f1ee04c--libssh-0.11.1.bottle_manifest.json
=> Pouring libssh--0.11.1.ventura.bottle.tar.gz
  /usr/local/Cellar/libssh/0.11.1: 25 files, 1.4MB
=> Installing ansible dependency: libyaml
=> Downloading https://ghcr.io/v2/homebrew/core/libyaml/manifests/0.2.5
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/5f6b0af1730aa1bc02f8021c98ed77fe988eba95ec836c828f77332ba6406--libyaml-0.2.5.bottle_manifest.json
=> Pouring libyaml--0.2.5.ventura.bottle.tar.gz
  /usr/local/Cellar/libyaml/0.2.5: 11 files, 332.6KB
=> Installing ansible dependency: mpdecimal
=> Downloading https://ghcr.io/v2/homebrew/core/mpdecimal/manifests/4.0.0-1
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/7b63cb34bee402290af49fac829a6682ab45ea5c9258b6fe03b590a03a4c49--mpdecimal-4.0.0-1.bottle_manifest.json
=> Pouring mpdecimal--4.0.0.ventura.bottle.1.tar.gz
  /usr/local/Cellar/mpdecimal/4.0.0: 22 files, 615.3KB
=> Installing ansible dependency: readline
=> Downloading https://ghcr.io/v2/homebrew/core/readline/manifests/8.2.13
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/aa1afa389974a286d091c81fd8da8b36d436cd4ea7a82aed07d13c856eb3460e--readline-8.2.13.bottle_manifest.json
=> Pouring readline--8.2.13.ventura.bottle.tar.gz
  /usr/local/Cellar/readline/8.2.13: 51 files, 1.7MB
=> Installing ansible dependency: sqlite
=> Downloading https://ghcr.io/v2/homebrew/core/sqlite/manifests/3.46.1
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/b34f1b968cd83adc8763b7151754bc4f348c94372d89d1ae23cd11b643b7b0b2--sqlite-3.46.1.bottle_manifest.json
=> Pouring sqlite--3.46.1.ventura.bottle.tar.gz
  /usr/local/Cellar/sqlite/3.46.1: 12 files, 4.8MB
=> Installing ansible dependency: xz
=> Downloading https://ghcr.io/v2/homebrew/core/xz/manifests/5.6.2
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/0f02a3a463ce4e72f92871751d9b7b872ca8098348074d46ffb523fd67e1cb7b--xz-5.6.2.bottle_manifest.json
```

```
==> Pouring xz--5.6.2.ventura.bottle.tar.gz
📦 /usr/local/Cellar/xz/5.6.2: 96 files, 1.8MB
==> Installing ansible dependency: python@3.12
==> Downloading https://ghcr.io/v2/homebrew/core/python/3.12/manifests/3.12.5
Already downloaded: /Users/bharathi/Library/Caches/Homebrew/downloads/2cc40b4b76a48e24e9d83ccbaa744d74a15494224fdcd425d2fefeb9100357b8--python@3.12-3.12.5.bottle_manifest.json
==> Pouring python@3.12--3.12.5.ventura.bottle.tar.gz
Error: The 'brew link' step did not complete successfully
The formula built, but is not symlinked into /usr/local
Could not symlink bin/2to3
Target /usr/local/bin/2to3
already exists. You may want to remove it:
  rm '/usr/local/bin/2to3'

To force the link and overwrite all conflicting files:
  brew link --overwrite python@3.12

To list all files that would be deleted:
  brew link --overwrite python@3.12 --dry-run

Possible conflicting files are:
/usr/local/bin/2to3 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/2to3
/usr/local/bin/2to3-3.12 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/2to3-3.12
/usr/local/bin/idle3 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/idle3
/usr/local/bin/idle3.12 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/idle3.12
/usr/local/bin/pydoc3 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/pydoc3
/usr/local/bin/pydoc3.12 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/pydoc3.12
/usr/local/bin/python3 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/python3
/usr/local/bin/python3-config -> /Library/Frameworks/Python.framework/Versions/3.12/bin/python3-config
/usr/local/bin/python3.12 -> /Library/Frameworks/Python.framework/Versions/3.12/bin/python3.12
/usr/local/bin/python3.12-config -> /Library/Frameworks/Python.framework/Versions/3.12/bin/python3.12-config
==> /usr/local/Cellar/python@3.12/3.12.5/bin/python3.12 -Im ensurepip
==> /usr/local/Cellar/python@3.12/3.12.5/bin/python3.12 -Im pip install -v --no-index --upgrade --isolated --target=/usr/local/lib/python3.12/site-packages /usr/local/Cellar/python@3.12/3.12.5/Frameworks/
Summary
📦 /usr/local/Cellar/python@3.12/3.12.5: 3,259 files, 63.3MB
==> Installing ansible
==> Pouring ansible--10.3.0.ventura.bottle.tar.gz
📦 /usr/local/Cellar/ansible/10.3.0: 32,288 files, 369.4MB
==> Running 'brew cleanup ansible'...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see 'man brew').
bharathi@Bharathis-MacBook-Air ~ % ansible --version

ansible [core 2.17.3]
  config file = None
  configured module search path = ['/Users/bharathi/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/local/Cellar/ansible/10.3.0/libexec/lib/python3.12/site-packages/ansible
  executable location = /usr/local/bin/ansible
  python version = 3.12.5 (main, Aug 6 2024, 19:08:49) [Clang 15.0.0 (clang-1500.1.0.2.5)] (/usr/local/Cellar/ansible/10.3.0/libexec/bin/python)
  Jinja version = 3.1.4
  libyaml = True

bharathi@Bharathis-MacBook-Air ~ % echo "localhost" > hosts

bharathi@Bharathis-MacBook-Air ~ % ansible -i hosts all -m ping
localhost | UNREACHABLE! => {
  "changed": false,
  "msg": "Failed to connect to the host via ssh: ssh: connect to host localhost port 22: Connection refused",
  "unreachable": true
}

bharathi@Bharathis-MacBook-Air ~ % [webservers]
vm1 ansible_host=13.56.181.100 ansible_user=ubuntu ansible_ssh_private_key_file=/Users/bharathi/KEY-1.pem
vm2 ansible_host=54.193.196.99 ansible_user=ubuntu ansible_ssh_private_key_file=/Users/bharathi/KEY-1.pem
zsh: no matches found: [webservers]
bharathi@Bharathis-MacBook-Air ~ % vm1 ansible_host=13.56.181.100 ansible_user=ubuntu ansible_ssh_private_key_file=/Users/bharathi/KEY-1.pem
vm2 ansible_host=54.193.196.99 ansible_user=ubuntu ansible_ssh_private_key_file=/Users/bharathi/KEY-1.pem
zsh: command not found: vm1
zsh: command not found: vm2
bharathi@Bharathis-MacBook-Air ~ % Ubuntu VM1 ansible_host=13.56.181.100 ansible_user=ubuntu ansible_ssh_private_key_file=/Users/bharathi/KEY-1.pem
Ubuntu VM2 ansible_host=54.193.196.99 ansible_user=ubuntu ansible_ssh_private_key_file=/Users/bharathi/KEY-1.pem
zsh: command not found: Ubuntu
zsh: command not found: Ubuntu
bharathi@Bharathis-MacBook-Air ~ % pwd
/Users/bharathi
bharathi@Bharathis-MacBook-Air ~ % ls
Applications      Downloads          Library            Pictures           Public            eclipse-workspace
Desktop           HelloWorldLightni Movies            Postman           Untitled.ipynb    hosts
Documents         KEY-1.pem         Music              Projects           eclipse           myenv
bharathi@Bharathis-MacBook-Air ~ % ls -l
total 48
drwx-----@ 3 bharathi  staff    96 Jan 20  2023 Applications
drwx-----@ 91 bharathi  staff   2912 Sep  3  22:51 Desktop
drwx-----@ 9 bharathi  staff    288 Sep  3  00:40 Documents
drwx-----@ 244 bharathi staff   7808 Sep  3 19:59 Downloads
drwxr-xr-x  9 bharathi  staff    288 Mar 13  2023 HelloWorldLightningWebComponent
-r-----@ 1 bharathi  staff   1674 Sep  3 19:41 KEY-1.pem
drwx-----@ 90 bharathi  staff   2880 Sep  3 14:56 Library
drwx----- 4 bharathi  staff    128 Nov  4  2022 Movies
drwx-----+ 4 bharathi  staff    128 Nov  4  2022 Music
drwx-----+ 4 bharathi  staff    128 Nov  4  2022 Pictures
drwxr-xr-x  3 bharathi  staff     96 Jun 23  2023 Postman
drwxr-xr-x  3 bharathi  staff     96 Aug 28 09:43 Projects
drwxr-xr-x+ 4 bharathi  staff    128 Nov  4  2022 Public
-rw-r--r--  1 bharathi  staff  14386 Sep  1 16:03 Untitled.ipynb
drwxr-xr-x  3 bharathi  staff     96 May 30 13:27 eclipse
drwxr-xr-x  4 bharathi  staff    128 May 30 10:13 eclipse-workspace
-rw-r--r--  1 bharathi  staff    10 Sep  4 10:42 hosts
drwxr-xr-x  8 bharathi  staff    256 Sep  1 12:03 myenv
bharathi@Bharathis-MacBook-Air ~ % which ansible
/usr/local/bin/ansible
bharathi@Bharathis-MacBook-Air ~ % cd /usr/local/bin/ansible/directory
cd: not a directory: /usr/local/bin/ansible/directory
bharathi@Bharathis-MacBook-Air ~ % cd /usr/local/bin/ansible
cd: not a directory: /usr/local/bin/ansible
bharathi@Bharathis-MacBook-Air ~ % ls -l /usr/local/bin/ansible
lrwxr-xr-x 1 bharathi  admin   36 Sep  4 10:40 /usr/local/bin/ansible -> ../Cellar/ansible/10.3.0/bin/ansible
bharathi@Bharathis-MacBook-Air ~ % ls -l /usr/local/bin
total 104
lrwxr-xr-x 1 root    wheel   67 Sep  1 11:30 2to3 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/2to3
lrwxr-xr-x 1 root    wheel   72 Nov  9  2022 2to3-3.11 -> ../../Library/Frameworks/Python.framework/Versions/3.11/bin/2to3-3.11
lrwxr-xr-x 1 root    wheel   72 Sep  1 11:30 2to3-3.12 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/2to3-3.12
-rwxr-xr-x 1 root    wheel   80 Jul 10 07:18 VBoxAudioTest
-rwxr-xr-x 1 root    wheel   80 Jul 10 07:18 VBoxAutostart
-rwxr-xr-x 1 root    wheel   82 Jul 10 07:18 VBoxBalloonCtrl
-rwxr-xr-x 1 root    wheel   80 Jul 10 07:18 VBoxBugReport
-rwxr-xr-x 1 root    wheel   77 Jul 10 07:18 VBoxDTrace
-rwxr-xr-x 1 root    wheel   79 Jul 10 07:18 VBoxHeadless
-rwxr-xr-x 1 root    wheel   77 Jul 10 07:18 VBoxManage
-rwxr-xr-x 1 root    wheel   79 Jul 10 07:18 VBoxVRDP
-rwxr-xr-x 1 root    wheel   77 Jul 10 07:18 VirtualBox
-rwxr-xr-x 1 root    wheel  115 Jul 10 07:18 VirtualBoxVM
lrwxr-xr-x 1 bharathi admin   36 Sep  4 10:40 ansible -> ../Cellar/ansible/10.3.0/bin/ansible
lrwxr-xr-x 1 bharathi admin   46 Sep  4 10:40 ansible-community -> ../Cellar/ansible/10.3.0/bin/ansible-community
lrwxr-xr-x 1 bharathi admin   43 Sep  4 10:40 ansible-config -> ../Cellar/ansible/10.3.0/bin/ansible-config
lrwxr-xr-x 1 bharathi admin   47 Sep  4 10:40 ansible-connection -> ../Cellar/ansible/10.3.0/bin/ansible-connection
lrwxr-xr-x 1 bharathi admin   44 Sep  4 10:40 ansible-console -> ../Cellar/ansible/10.3.0/bin/ansible-console
lrwxr-xr-x 1 bharathi admin   40 Sep  4 10:40 ansible-doc -> ../Cellar/ansible/10.3.0/bin/ansible-doc
lrwxr-xr-x 1 bharathi admin   43 Sep  4 10:40 ansible-galaxy -> ../Cellar/ansible/10.3.0/bin/ansible-galaxy
lrwxr-xr-x 1 bharathi admin   46 Sep  4 10:40 ansible-inventory -> ../Cellar/ansible/10.3.0/bin/ansible-inventory
lrwxr-xr-x 1 bharathi admin   45 Sep  4 10:40 ansible-playbook -> ../Cellar/ansible/10.3.0/bin/ansible-playbook
lrwxr-xr-x 1 bharathi admin   41 Sep  4 10:40 ansible-pull -> ../Cellar/ansible/10.3.0/bin/ansible-pull
lrwxr-xr-x 1 bharathi admin   41 Sep  4 10:40 ansible-test -> ../Cellar/ansible/10.3.0/bin/ansible-test
lrwxr-xr-x 1 bharathi admin   42 Sep  4 10:40 ansible-vault -> ../Cellar/ansible/10.3.0/bin/ansible-vault
lrwxr-xr-x 1 bharathi admin   20 Sep  4 10:36 brew -> ../Homebrew/bin/brew
lrwxr-xr-x 1 bharathi admin   38 Sep  4 10:38 c_rehash -> ../Cellar/openssl@3.3.2/bin/c_rehash
lrwxr-xr-x 1 root    wheel   68 Sep  1 11:30 idle3 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/idle3
```

```

lrwxr-xr-x 1 root wheel 71 Nov 9 2022 idle3.11 -> ../../Library/Frameworks/Python.framework/Versions/3.11/bin/idle3.11
lrwxr-xr-x 1 root wheel 71 Sep 1 11:30 idle3.12 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/idle3.12
lrwxr-xr-x 1 bharathi admin 28 Sep 4 10:38 lzcat -> ./Cellar/xz/5.6.2/bin/lzcat
lrwxr-xr-x 1 bharathi admin 28 Sep 4 10:38 lzcmp -> ./Cellar/xz/5.6.2/bin/lzcmp
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 lzdiff -> ./Cellar/xz/5.6.2/bin/lzdiff
lrwxr-xr-x 1 bharathi admin 30 Sep 4 10:38 lzgrep -> ./Cellar/xz/5.6.2/bin/lzgrep
lrwxr-xr-x 1 bharathi admin 30 Sep 4 10:38 lzfgrep -> ./Cellar/xz/5.6.2/bin/lzfgrep
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 lzgrep -> ./Cellar/xz/5.6.2/bin/lzgrep
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 lzless -> ./Cellar/xz/5.6.2/bin/lzless
lrwxr-xr-x 1 bharathi admin 27 Sep 4 10:38 lzma -> ./Cellar/xz/5.6.2/bin/lzma
lrwxr-xr-x 1 bharathi admin 30 Sep 4 10:38 lzmadec -> ./Cellar/xz/5.6.2/bin/lzmadec
lrwxr-xr-x 1 bharathi admin 31 Sep 4 10:38 lzmainfo -> ./Cellar/xz/5.6.2/bin/lzmainfo
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 lzmore -> ./Cellar/xz/5.6.2/bin/lzmore
lrwxr-xr-x 1 bharathi admin 37 Sep 4 10:38 openssl -> ./Cellar/openssl@3.3.2/bin/openssl
lrwxr-xr-x 1 bharathi admin 37 Sep 4 10:38 pip3 -> ./Cellar/python@3.12.5/bin/pip3
lrwxr-xr-x 1 root wheel 70 Nov 9 2022 pip3.11 -> ../../Library/Frameworks/Python.framework/Versions/3.11/bin/pip3.11
lrwxr-xr-x 1 bharathi admin 40 Sep 4 10:38 pip3.12 -> ./Cellar/python@3.12.5/bin/pip3.12
lrwxr-xr-x 1 root wheel 69 Sep 1 11:30 pydoc3 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/pydoc3
lrwxr-xr-x 1 root wheel 72 Nov 9 2022 pydoc3.11 -> ../../Library/Frameworks/Python.framework/Versions/3.11/bin/pydoc3.11
lrwxr-xr-x 1 root wheel 72 Sep 1 11:30 pydoc3.12 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/pydoc3.12
lrwxr-xr-x 1 root wheel 70 Sep 1 11:30 python3 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/python3
lrwxr-xr-x 1 root wheel 77 Sep 1 11:30 python3-config -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/python3-config
lrwxr-xr-x 1 root wheel 78 Sep 1 11:30 python3-intel64 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/python3-intel64
lrwxr-xr-x 1 root wheel 73 Nov 9 2022 python3.11 -> ../../Library/Frameworks/Python.framework/Versions/3.11/bin/python3.11
lrwxr-xr-x 1 root wheel 80 Nov 9 2022 python3.11-config -> ../../Library/Frameworks/Python.framework/Versions/3.11/bin/python3.11-config
lrwxr-xr-x 1 root wheel 81 Nov 9 2022 python3.11-intel64 -> ../../Library/Frameworks/Python.framework/Versions/3.11/bin/python3.11-intel64
lrwxr-xr-x 1 root wheel 73 Sep 1 11:30 python3.12 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/python3.12
lrwxr-xr-x 1 root wheel 80 Sep 1 11:30 python3.12-config -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/python3.12-config
lrwxr-xr-x 1 root wheel 81 Sep 1 11:30 python3.12-intel64 -> ../../Library/Frameworks/Python.framework/Versions/3.12/bin/python3.12-intel64
lrwxr-xr-x 1 root wheel 26 Mar 13 2023 sf -> /usr/local/lib/sfdx/bin/sf
lrwxr-xr-x 1 root wheel 28 Mar 13 2023 sfdx -> /usr/local/lib/sfdx/bin/sfdx
lrwxr-xr-x 1 bharathi admin 28 Sep 4 10:38 unlzma -> ./Cellar/xz/5.6.2/bin/unlzma
lrwxr-xr-x 1 bharathi admin 27 Sep 4 10:38 unxz -> ./Cellar/xz/5.6.2/bin/unxz
-rwxr-xr-x 1 root wheel 75 Jul 10 07:18 vbox-img
-rwxr-xr-x 1 root wheel 80 Jul 10 07:18 vboximg-mount
-rwxr-xr-x 1 root wheel 77 Jul 10 07:18 vboxwebsrv
lrwxr-xr-x 1 bharathi admin 39 Sep 4 10:38 wheel3 -> ./Cellar/python@3.12.3.12.5/bin/wheel3
lrwxr-xr-x 1 bharathi admin 42 Sep 4 10:38 wheel3.12 -> ./Cellar/python@3.12.3.12.5/bin/wheel3.12
lrwxr-xr-x 1 bharathi admin 25 Sep 4 10:38 xz -> ./Cellar/xz/5.6.2/bin/xz
lrwxr-xr-x 1 bharathi admin 28 Sep 4 10:38 xzcat -> ./Cellar/xz/5.6.2/bin/xzcat
lrwxr-xr-x 1 bharathi admin 28 Sep 4 10:38 xzcmp -> ./Cellar/xz/5.6.2/bin/xzcmp
lrwxr-xr-x 1 bharathi admin 28 Sep 4 10:38 xzdec -> ./Cellar/xz/5.6.2/bin/xzdec
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 xzdiff -> ./Cellar/xz/5.6.2/bin/xzdiff
lrwxr-xr-x 1 bharathi admin 30 Sep 4 10:38 xzgrep -> ./Cellar/xz/5.6.2/bin/xzgrep
lrwxr-xr-x 1 bharathi admin 30 Sep 4 10:38 xzfgrep -> ./Cellar/xz/5.6.2/bin/xzfgrep
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 xzgrep -> ./Cellar/xz/5.6.2/bin/xzgrep
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 xzless -> ./Cellar/xz/5.6.2/bin/xzless
lrwxr-xr-x 1 bharathi admin 29 Sep 4 10:38 xzmore -> ./Cellar/xz/5.6.2/bin/xzmore
bharathi@Bharathis-MacBook-Air ~ % ls -l pwd
ls: pwd: No such file or directory
bharathi@Bharathis-MacBook-Air ~ % pwd
/Users/bharathi
bharathi@Bharathis-MacBook-Air ~ % man log

```

8. sender image name
9. subsystem
10. category
11. event message
12. highlight color

The default is "xxxxxxxxxxFdxccExxxxxA", i.e. bold magenta process name, yellow sender, green subsystem, bold blue category and dark grey background for highlighted lines.

LOG_STYLE Control the default output style of **log show**: default, compact, json or syslog.

OS_ACTIVITY_MODE Change the mode of launched processes to:
info Enables info level messages. Does not override logging Preferences that have info level disabled.
debug Enables debug level messages which includes info level messages. Does not override logging Preferences that have info level or debug level disabled.

OS_ACTIVITY_STREAM Change the type of streaming enabled.
live Live streaming from the process using IPC.

OS_ACTIVITY_PROPAGATE_MODE If set, will propagate the mode settings via activities.

FILES

You can control the execution of **log show** and **log stream** with a configuration file located at ~/.logrc. Given a ~/.logrc like this:

```
# .logrc - default log(1) arguments, handy predicate shortcuts
```

```
show:
```

```
--style compact
--last 1h
--info # turn back off with --no-info
--no-debug # turn back on with --debug
```

```
predicate:
```

```
app 'process == "application"'
errors 'process == "application" and messageType == error'
s
  'process == "application" and ' # adjacent strings
  'subsystem == "com.example.support"' # get merged
```

log show would automatically run as though the arguments

```
--style compact --last 1h --info --no-debug
```

were passed in. Explicit options will override the arguments provided by ~/.logrc. Furthermore, running with **--predicate app** would be the same as using:

```
--predicate 'process == "application"'
```

The syntax of the ~/.logrc file made of comments, section headers, options, words, and single-quoted strings. Comments start with the hash character and run to the end of the line. Otherwise, contents are whitespace-separated.

The structure of the ~/.logrc file is broken into sections. Section headers are specified by a word and a colon. There are three kinds of sections. The **show:** and **stream:** sections operate similarly. Their contents are literal options and arguments that will be passed to the respective command as if they were entered on the command line. The **predicate:** section creates aliases for predicates. It is made up of pairs of:

```
word 'predicate'
```

where **word** is a combination of letters (presumably a simple, easy-to-type one) and **predicate** is some filtering logic, as described in the **PREDICATE-BASED FILTERING** section above. The **predicate** is delimited by single quotes, but adjacent quoted elements are "glued" together; this helps in making long predicates easier to read and write.

SEE ALSO

```
os_log(3), os_trace(3)
```