

```
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-172-31-21-78:~$ sudo apt update
```

i-0e7240f0cbe28eeeb (WebApp)

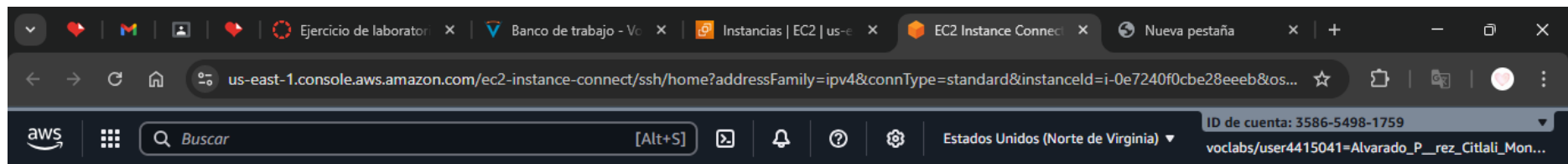
PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78



```
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [202 kB]
Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8748 B]
Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [882 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [196 kB]
Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [18.1 kB]
Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1967 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [448 kB]
Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [520 B]
Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [28.0 kB]
Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [5844 B]
Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [384 B]
Fetched 37.9 MB in 6s (6440 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
41 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-21-78:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78



```
Restarting the system to load the new kernel will not be handled automatically, so you should consider rebooting.

Restarting services...
/etc/needrestart/restart.d/systemd-manager
systemctl restart acpid.service chrony.service cron.service irqbalance.service multipathd.service packagekit.service polkit.service systemd-journal
d.service systemd-networkd.service systemd-resolved.service systemd-udev.service

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

No containers need to be restarted.

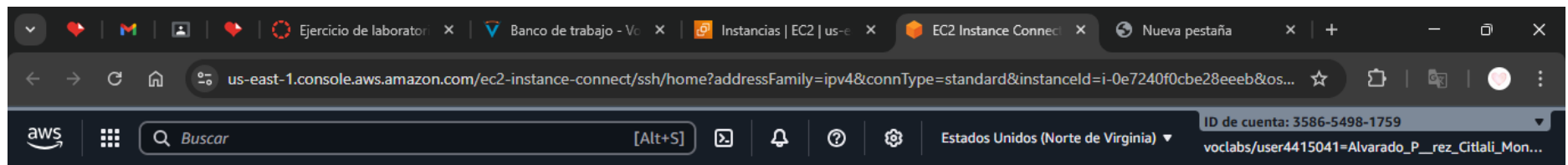
User sessions running outdated binaries:
ubuntu @ session #2: apt[1891], sshd[1074,1526]
ubuntu @ user manager service: systemd[1421]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-21-78:~$ sudo apt install net-tools
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78





```
6.14.0-1011-aws
Diagnostics:
  The currently running kernel version is not the expected kernel version 6.14.0-1014-aws.

Restarting the system to load the new kernel will not be handled automatically, so you should consider rebooting.

Restarting services...

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

No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #2: sshd[1074,1526]
ubuntu @ user manager service: systemd[1421]

No VM guests are running outdated binaries on this host.
ubuntu@ip-172-31-21-78:~$ ifconfig
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78



```
ubuntu @ session #2: sshd[1074,1526]
ubuntu @ user manager service: systemd[1421]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-21-78:~$ ifconfig
ens5: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
    inet 172.31.21.78 netmask 255.255.240.0 broadcast 172.31.31.255
    inet6 fe80::8ff:dcff:fe8d:6a41 prefixlen 64 scopeid 0x20<link>
    ether 0a:ff:dc:8d:6a:41 txqueuelen 1000 (Ethernet)
    RX packets 110678 bytes 161903386 (161.9 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 5668 bytes 614661 (614.6 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 246 bytes 26961 (26.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 246 bytes 26961 (26.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ubuntu@ip-172-31-21-78:~$ ping 8.8.8.8
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

```
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 5668 bytes 614661 (614.6 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 246 bytes 26961 (26.9 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 246 bytes 26961 (26.9 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ubuntu@ip-172-31-21-78:~$ 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=117 time=1.04 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=117 time=1.08 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=117 time=1.08 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=117 time=1.07 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=117 time=1.12 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=117 time=1.09 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=117 time=1.08 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=117 time=1.14 ms
```

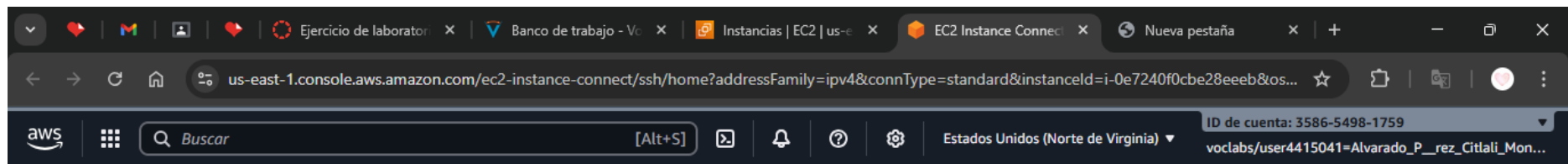
i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

```
64 bytes from 8.8.8.8: icmp_seq=8 ttl=117 time=1.14 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=117 time=1.06 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=117 time=1.10 ms
64 bytes from 8.8.8.8: icmp_seq=11 ttl=117 time=1.08 ms
64 bytes from 8.8.8.8: icmp_seq=12 ttl=117 time=1.08 ms
64 bytes from 8.8.8.8: icmp_seq=13 ttl=117 time=1.08 ms
64 bytes from 8.8.8.8: icmp_seq=14 ttl=117 time=1.09 ms
^C
--- 8.8.8.8 ping statistics ---
14 packets transmitted, 14 received, 0% packet loss, time 13016ms
rtt min/avg/max/mdev = 1.036/1.085/1.137/0.023 ms
ubuntu@ip-172-31-21-78:~$ sudo apt install apache2
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 0 not upgraded.
Need to get 2086 kB of archives.
After this operation, 8090 kB of additional disk space will be used.
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78



```
6.14.0-1011-aws
Diagnostics:
  The currently running kernel version is not the expected kernel version 6.14.0-1014-aws.

Restarting the system to load the new kernel will not be handled automatically, so you should consider rebooting.

Restarting services...

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

No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #2: sshd[1074,1526]
ubuntu @ user manager service: systemd[1421]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-21-78:~$ sudo systemctl status apache2
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78




```
No containers need to be restarted.

User sessions running outdated binaries:
ubuntu @ session #2: sshd[1074,1526]
ubuntu @ user manager service: systemd[1421]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-21-78:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2025-10-08 03:23:44 UTC; 56s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 9625 (apache2)
    Tasks: 55 (limit: 1008)
   Memory: 5.3M (peak: 5.8M)
      CPU: 43ms
   CGroup: /system.slice/apache2.service
           └─9625 /usr/sbin/apache2 -k start
           └─9628 /usr/sbin/apache2 -k start
           └─9629 /usr/sbin/apache2 -k start

Oct 08 03:23:44 ip-172-31-21-78 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 08 03:23:44 ip-172-31-21-78 systemd[1]: Started apache2.service - The Apache HTTP Server.
ubuntu@ip-172-31-21-78:~$ cd/var/www/html
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0e7240f0cbe28eeeb&os...

aws [Alt+S] Estados Unidos (Norte de Virginia) ID de cuenta: 3586-5498-1759 voclabs/user4415041=Alvarado_P_rez_Citlali_Mon...

```
CPU: 43ms
CGroup: /system.slice/apache2.service
├─9625 /usr/sbin/apache2 -k start
├─9628 /usr/sbin/apache2 -k start
└─9629 /usr/sbin/apache2 -k start

Oct 08 03:23:44 ip-172-31-21-78 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 08 03:23:44 ip-172-31-21-78 systemd[1]: Started apache2.service - The Apache HTTP Server.
ubuntu@ip-172-31-21-78:~$ cd /var/www/html
-bash: cd /var/www/html: No such file or directory
ubuntu@ip-172-31-21-78:~$ ls
ubuntu@ip-172-31-21-78:~$ cd /var/www/html
-bash: cd /var/www/html: No such file or directory
ubuntu@ip-172-31-21-78:~$ cd /var/www/html
ubuntu@ip-172-31-21-78:/var/www/html$ ls
index.html
ubuntu@ip-172-31-21-78:/var/www/html$ sudo cp index.html index2
ubuntu@ip-172-31-21-78:/var/www/html$ ls
index.html  index2
ubuntu@ip-172-31-21-78:/var/www/html$ sudo rm index.html
ubuntu@ip-172-31-21-78:/var/www/html$ ls
index2
ubuntu@ip-172-31-21-78:/var/www/html$ sudo nano index.html
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

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4 Buscar 09:28 p. m. 07/10/2025

Browser tabs: Ejercicio de laboratorio, Banco de trabajo - Voc, Instancias | EC2 | us-east-1, EC2 Instance Connect, Nueva pestaña.

Address bar: us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0e7240f0cbe28eeeb&os=...

Search bar: Buscar [Alt+S]

Account: ID de cuenta: 3586-5498-1759, Estados Unidos (Norte de Virginia), voclabs/user4415041=Alvarado_P__rez_Citlali_Mon...

GNU nano 7.2 index.html

[New File]

| | | | | | | | | |
|---------|--------------|-------------|----------|------------|---------------|----------|--------------|----------------|
| ^G Help | ^O Write Out | ^W Where Is | ^R Cut | ^T Execute | ^C Location | M-U Undo | M-A Set Mark | M-] To Bracket |
| ^X Exit | ^R Read File | ^_ Replace | ^U Paste | ^J Justify | ^/ Go To Line | M-E Redo | M-6 Copy | ^C Where Was |

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

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Search: Buscar

System tray: 09:28 p. m. 07/10/2025

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0e7240f0cbe28eeeb&os...

aws [Alt+S] Estados Unidos (Norte de Virginia) ID de cuenta: 3586-5498-1759 voclabs/user4415041=Alvarado_P_rez_Citlali_Mon...

```
GNU nano 7.2 index.html
<!DOCTYPE html>
<html lang="es">
<head>
  <meta charset="UTF-8">
  <title>
    body {
      margin: 0;
      padding: 0;
      height: 100vh;
      display: flex;
      justify-content: center;
      align-items: center;
      background-color: #0073e6; /* Fondo azul */
      font-family: Arial, sans-serif;
      color: white;
      text-align: center;
    }
    h1 {
      margin-bottom: 20px;
    }
  
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-J To Bracket
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

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09:38 p. m. 07/10/2025

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0e7240f0cbe28eeeb&os=... ID de cuenta: 3586-5498-1759 voclabs/user4415041=Alvarado_P_rez_Citlali_Mon...

```
GNU nano 7.2 index.html
padding:0;
height: 100vh;
display: flex;
justify-content: center;
align-items: center;
background-color: #0073e6; /* Fondo azul */
font-family: Arial, sans-serif;
color: white;
text-align: center;
}
h1 {
margin-bottom: 20px;
}
p {
margin: 5px 0;
}
</style>
</head>
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-J To Bracket
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^C Where Was

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

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```
Oct 08 03:23:44 ip-172-31-21-78 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 08 03:23:44 ip-172-31-21-78 systemd[1]: Started apache2.service - The Apache HTTP Server.
ubuntu@ip-172-31-21-78:~$ cd /var/www/html
-bash: cd /var/www/html: No such file or directory
ubuntu@ip-172-31-21-78:~$ ls
ubuntu@ip-172-31-21-78:~$ cd /var/www/html
-bash: cd /var/www/html: No such file or directory
ubuntu@ip-172-31-21-78:~$ cd /var/www/html
ubuntu@ip-172-31-21-78:/var/www/html$ ls
index.html
ubuntu@ip-172-31-21-78:/var/www/html$ sudo cp index.html index2
ubuntu@ip-172-31-21-78:/var/www/html$ ls
index.html  index2
ubuntu@ip-172-31-21-78:/var/www/html$ sudo rm index.html
ubuntu@ip-172-31-21-78:/var/www/html$ ls
index2
ubuntu@ip-172-31-21-78:/var/www/html$ sudo nano index.html
ubuntu@ip-172-31-21-78:/var/www/html$ sudo nano index.html
ubuntu@ip-172-31-21-78:/var/www/html$ sudo systemctl restart apache2
```

i-0e7240f0cbe28eeeb (WebApp)

PublicIPs: 54.242.201.110 PrivateIPs: 172.31.21.78

