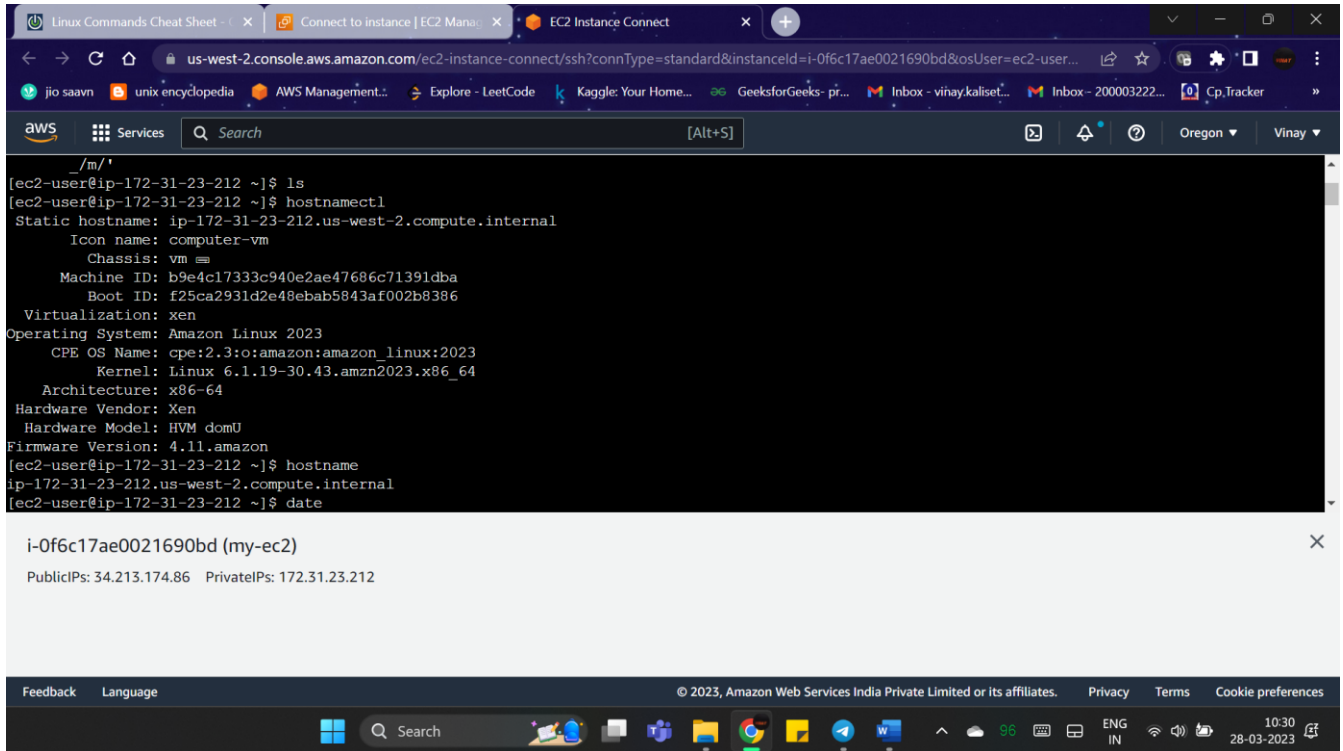


Linux Commands Execution

K. Vinay

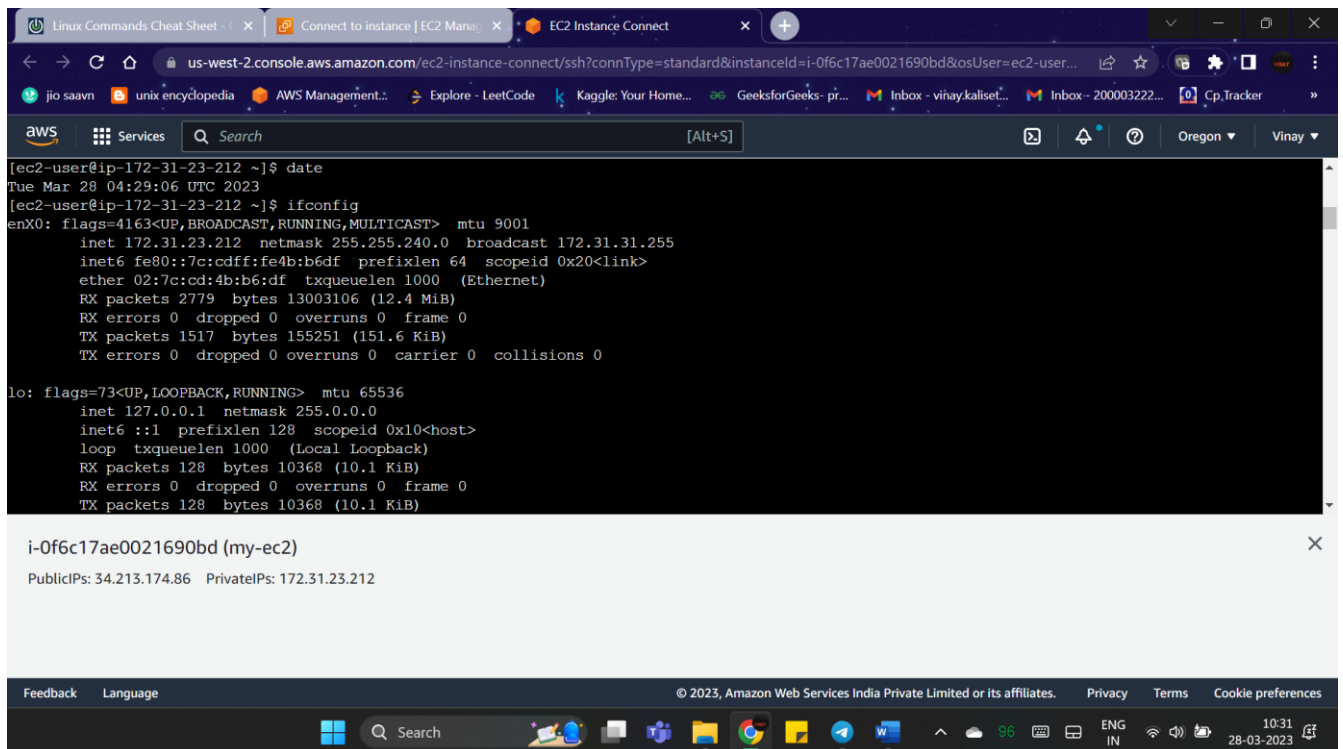
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The screenshot shows the AWS Management Console with the EC2 Instance Connect terminal open. The terminal displays the output of the 'ls' command, showing system information like hostname, icon name, chassis, machine ID, boot ID, virtualization, operating system, CPE OS Name, kernel, architecture, hardware vendor, and hardware model. Below the terminal, the instance ID 'i-0f6c17ae0021690bd (my-ec2)' and its public/private IP addresses are listed.

```
/m/'
[ec2-user@ip-172-31-23-212 ~]$ ls
[ec2-user@ip-172-31-23-212 ~]$ hostnamectl
Static hostname: ip-172-31-23-212.us-west-2.compute.internal
Icon name: computer-vm
Chassis: vm
Machine ID: b9e4c17333c940e2ae47686c71391dba
Boot ID: f25ca2931d2e48ebab5843af002b8386
Virtualization: xen
Operating System: Amazon Linux 2023
CPE OS Name: cpe:2.3:o:amazon:amazon linux:2023
Kernel: Linux 6.1.19-30.43.amzn2023.x86_64
Architecture: x86_64
Hardware Vendor: Xen
Hardware Model: HVM domU
Firmware Version: 4.11.amazon
[ec2-user@ip-172-31-23-212 ~]$ hostname
ip-172-31-23-212.us-west-2.compute.internal
[ec2-user@ip-172-31-23-212 ~]$ date
```

i-0f6c17ae0021690bd (my-ec2)
PublicIPs: 34.213.174.86 PrivateIPs: 172.31.23.212



The screenshot shows the AWS Management Console with the EC2 Instance Connect terminal open. The terminal displays the output of the 'date' and 'ifconfig' commands. The 'date' command shows the current time and date. The 'ifconfig' command shows network interface details for 'enx0' and 'lo', including IP addresses, netmasks, broadcast addresses, and statistics. Below the terminal, the instance ID 'i-0f6c17ae0021690bd (my-ec2)' and its public/private IP addresses are listed.

```
[ec2-user@ip-172-31-23-212 ~]$ date
Tue Mar 28 04:29:06 UTC 2023
[ec2-user@ip-172-31-23-212 ~]$ ifconfig
enx0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
    inet 172.31.23.212 netmask 255.255.240.0 broadcast 172.31.31.255
    inet6 fe80::7c:cdff:fe4b:b6df prefixlen 64 scopeid 0x20<link>
    ether 02:7c:cd:4b:b6:df txqueuelen 1000 (Ethernet)
    RX packets 2779 bytes 13003106 (12.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1517 bytes 155251 (151.6 KiB)
    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 128 bytes 10368 (10.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 128 bytes 10368 (10.1 KiB)
```

i-0f6c17ae0021690bd (my-ec2)
PublicIPs: 34.213.174.86 PrivateIPs: 172.31.23.212

Linux Commands Cheat Sheet | EC2 Manager | EC2 Instance Connect

us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f6c17ae0021690bd&osUser=ec2-user...

```
[ec2-user@ip-172-31-23-212 ~]$ ls -a
[ec2-user@ip-172-31-23-212 ~]$ ls -al
Hello [ec2-user@ip-172-31-23-212 ~]$ ls -al
^C
total 24
[ec2-user@ip-172-31-23-212 ~]$ ls -l
-rw-r--r-- 4 ec2-user ec2-user 138 Mar 28 04:35 .
-rw-r--r-- 3 root root 22 Mar 28 04:21 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jan 28 22:29 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 141 Jan 28 22:29 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 492 Jan 28 22:29 .bashrc
-rw-r--r-- 2 ec2-user ec2-user 29 Mar 28 04:21 .ssh
-rw-r--r-- 2 ec2-user ec2-user 20 Mar 28 04:37 cdd
-rw-r--r-- 1 ec2-user ec2-user 16 Mar 28 04:32 hello.txt
-rw-r--r-- 1 ec2-user ec2-user 43 Mar 28 04:34 myfile.txt
-rw-r--r-- 1 ec2-user ec2-user 27 Mar 28 04:30 sample.txt
[ec2-user@ip-172-31-23-212 ~]$ cd /
[ec2-user@ip-172-31-23-212 /]$ cd ..
[ec2-user@ip-172-31-23-212 /]$ cd
[ec2-user@ip-172-31-23-212 ~]$ mv hello.txt "cdd"
[ec2-user@ip-172-31-23-212 ~]$ cd cdd
```

i-0f6c17ae0021690bd (my-ec2)

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Linux Commands Cheat Sheet | EC2 Manager | EC2 Instance Connect

us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f6c17ae0021690bd&osUser=ec2-user...

```
Hello user...
^C
[ec2-user@ip-172-31-23-212 cdd]$ cat hello.txt
Hello user...
[ec2-user@ip-172-31-23-212 cdd]$ cat > m1.txt
This is CDD.
^C
[ec2-user@ip-172-31-23-212 cdd]$ cat m1.txt
This is CDD.
[ec2-user@ip-172-31-23-212 cdd]$ rm hello.txt
[ec2-user@ip-172-31-23-212 cdd]$ ls
m1.txt
[ec2-user@ip-172-31-23-212 cdd]$ cd ..
[ec2-user@ip-172-31-23-212 ~]$ ls
cdd hello.txt myfile.txt sample.txt
[ec2-user@ip-172-31-23-212 ~]$ ls -R
.:
cdd hello.txt myfile.txt sample.txt
```

i-0f6c17ae0021690bd (my-ec2)

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Linux Commands Cheat Sheet | Connect to Instance | EC2 Manag... | EC2 Instance Connect

us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f6c17ae0021690bd&osUser=ec2-user...

Services Search [Alt+S]

```
[ec2 40 history
hell[ec2-user@ip-172-31-23-212 ~]$ mv cdd newdir
[ec2[ec2-user@ip-172-31-23-212 ~]$ ls
[ec2myfile.txt  newdir  sample.txt
ml.t[ec2-user@ip-172-31-23-212 ~]$ rmdir newdir
[ec2rmdir: failed to remove 'newdir': Directory not empty
[ec2[ec2-user@ip-172-31-23-212 ~]$ cd newdir
usag[ec2-user@ip-172-31-23-212 newdir]$ ls
usagml.txt  m2.txt
usag[ec2-user@ip-172-31-23-212 newdir]$ rm ml.txt m2.txt
usag[ec2-user@ip-172-31-23-212 newdir]$ ls
[ec2-user@ip-172-31-23-212 newdir]$ cd ..
usag[ec2-user@ip-172-31-23-212 ~]$ rmdir newdir
[ec2-user@ip-172-31-23-212 ~]$ ls
[ec2myfile.txt  sample.txt
What[ec2-user@ip-172-31-23-212 ~]$ ls -l
For total 8
[ec2-rw-r--r--. 1 ec2-user ec2-user 43 Mar 28 04:34 myfile.txt
[ec2-rw-r--r--. 1 ec2-user ec2-user 27 Mar 28 04:30 sample.txt
```

i- i-0f6c17ae0021690bd (my-ec2)

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Linux Commands Cheat Sheet | Connect to instance | EC2 Manag... | EC2 Instance Connect

us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f6c17ae0021690bd&osUser=ec2-user...

Services Search [Alt+S]

```
[ec2-user@ip-172-31-23-212 ~]$ history
1  ls
2  hostnamectl
3  hostname
4  date
5  ifconfig
6  cat > sample.txt
7  cat sample.txt
8  cat > hello.txt
9  cat hello.txt
10 cat > hello.txt
11 cat hello.txt
12 cat hello.txt sample.txt > myfile.txt
13 cat myfile.txt
14 mkdir cdd
15 cd mkdir
16 cd cdd
17 cat > hello.txt
18 cat hello.txt
```

i-0f6c17ae0021690bd (my-ec2)

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Linux Commands Cheat Sheet

Connect to Instance | EC2 Manag

EC2 Instance Connect

us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0f6c17ae0021690bd&osUser=ec2-user...

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```
^C
[ec2-user@ip-172-31-23-212 ~]$ cd ..
[ec2-user@ip-172-31-23-212 home]$ chmod -R 777 mydir
chmod: cannot access 'mydir': No such file or directory
[ec2-user@ip-172-31-23-212 home]$ cd
[ec2-user@ip-172-31-23-212 ~]$ ls
ml.txt  m2.txt  mydir  myfile.txt  sample.txt
[ec2-user@ip-172-31-23-212 ~]$ chmod -R 777 mydir
[ec2-user@ip-172-31-23-212 ~]$ chmod 766 myfile.txt
[ec2-user@ip-172-31-23-212 ~]$ chmod -x ml.txt
[ec2-user@ip-172-31-23-212 ~]$ history
 1  ls
 2  hostnamectl
 3  hostname
 4  date
 5  ifconfig
 6  cat > sample.txt
 7  cat sample.txt
 8  cat > hello.txt
```

i-0f6c17ae0021690bd (my-ec2)

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