

Q1:

Activities PutTY SSH Client Oct 24 23:12 h1@localhost/home

```
login as: root
root@192.168.106.128's password:
Last login: Sun Oct 24 23:03:55 2021
[root@localhost ~]# ls
anaconda-ks.cfg
[root@localhost ~]# clear
[root@localhost ~]# mkdir /home/consultants
[root@localhost ~]# groupadd sales
[root@localhost ~]# useradd h1
[root@localhost ~]# passwd h1
[root@localhost ~]# usermod -m h1
Changing password for user h1.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# useradd h2
[root@localhost ~]# passwd h2
Changing password for user h2.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# usermod -aG sales h1
[root@localhost ~]# usermod -aG sales h2
[root@localhost ~]# chown :sales:/home/consultants/
chown: invalid group: ':sales'
[root@localhost ~]# chown :sales:/home/consultants/
[root@localhost ~]# chmod g+s,kt /home/consultants/
[root@localhost ~]# su h1
[h1@localhost root]$ cd /home/
[h1@localhost home]$ vim filea
bash: vim: command not found
[h1@localhost home]$ vim a
bash: vim: command not found
[h1@localhost home]$ yum install vim -y
Loaded plugins: fastestmirror
You need to be root to perform this command.
[h1@localhost home]$ sudo root

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

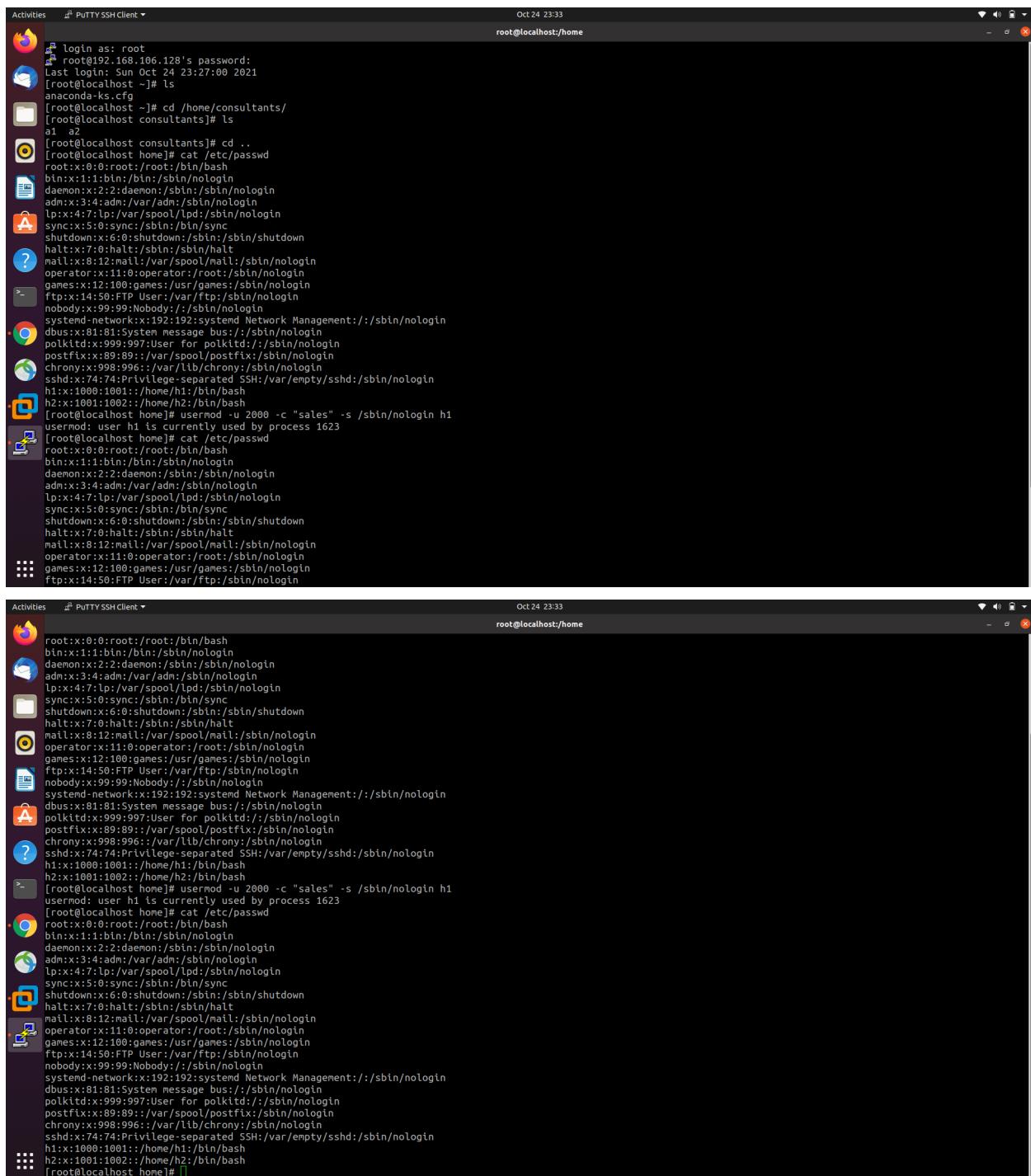
#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.

[sudo] password for h1:
h1 is not in the sudoers file. This incident will be reported.
```

Activities VMware Workstation Oct 24 23:27 CentOS 7 64-bit - VMware Workstation

```
File Edit View VM Help
File Edit View VM Tabs Help
Library Type here to search... My Computer CentOS 7 64-bit
touch: cannot touch 'file1': Permission denied
touch: cannot touch 'file2': Permission denied
[h1@localhost consultants]$ sudo touch file1
[sudo] password for h1:
h1 is not in the sudoers file. This incident will be reported.
[h1@localhost consultants]$ ls
[h1@localhost consultants]$ su root
Password:
[root@localhost consultants]$ chmod 774 /home//consultants/
[root@localhost consultants]$ su h1
[h1@localhost consultants]$ vim a
[h1@localhost consultants]$ touch a1
[h1@localhost consultants]$ touch a2
[h1@localhost consultants]$ a1_a2
[h1@localhost consultants]$ ls -l
total 0
-rw-rw-r--. 1 h1 sales 0 Oct 24 23:25 a1
-rw-rw-r--. 1 h1 sales 0 Oct 24 23:26 a2
[h1@localhost consultants]$ su root
Password:
[root@localhost consultants]$ cd ..
[root@localhost home]$ ls -l
total 0
drwxr-xr--. 2 root sales 26 Oct 24 23:26 consultants
drwxr-xr--. 2 h1 h1 78 Oct 24 23:23 h1
drwxr-xr--. 2 h2 h2 62 Oct 24 23:07 h2
[root@localhost home]$ ls
consultants h1 h2
[root@localhost home]$ chmod 2774 /home/consultants/
[root@localhost home]$ ls -l
total 0
drwxr-xr--. 2 root sales 26 Oct 24 23:26 consultants
drwxr-xr--. 2 h1 h1 78 Oct 24 23:23 h1
drwxr-xr--. 2 h2 h2 62 Oct 24 23:07 h2
[root@localhost home]$ _
```

Q2:



The image shows a Linux desktop environment with two terminal windows open in a Putty SSH Client window. Both terminals are connected to the same host, root@localhost/home, at Oct 24 23:33.

The first terminal window displays the following command and its output:

```
root@localhost ~# ls
anaconda-ks.cfg
```

The second terminal window displays the following command and its output:

```
root@localhost ~# cd /home/consultants/
[root@localhost consultants]# ls
a1 a2
```

Both terminals show the same list of files: a1 and a2.

Q3:

The screenshot shows a Linux desktop environment with a dark theme. On the left is a vertical application menu bar (Activities) containing icons for various applications like Dash, Home, and System Settings. In the center, a VMware Workstation window is open, displaying a virtual machine named "CentOS 7 64-bit". The "Virtual Machine Settings" dialog is visible, specifically the "Hardware" tab. It lists the following configuration:

Device	Summary
Memory	2.1 GB
Processors	1
Hard Disk (SCSI)	20 GB
CD/DVD (IDE)	.../image-1708
Network Adapter	NAT
Sound Card	Auto detect
Printer	Present
Display	Auto detect
New Hard Disk (SCSI)	5 GB

The "Disk File" field shows the file path: /home/rakesh/VMware/CentOS 7 64-bit/CentOS 7 64-bit.vmdk. The "Capacity" section indicates Current Size: 704 KB, Maximum Size: 5 GB, and System Free: 427.8 GB. The "Disk Utilities" section includes options for Mount Disk..., Defragment Disk..., Expand Disk..., Compact Disk..., and Advanced... buttons.

Below the hardware settings, the "Virtual Machine Details" section provides the following information:

- State: Powered Off
- Configuration file: /home/rakesh/VMware/CentOS 7 64-bit/CentOS 7 64-bit.vmx
- Hardware compatibility: Workstation 16.x virtual machine
- Primary IP address: Network information is not available

At the bottom of the VMware window, there are "Help", "Cancel", and "Save" buttons.

Below the VMware window, a terminal window titled "PUTTY SSH Client" is open. The session is connected to the IP address 192.168.106.128. The root user is logged in, and the password has been entered. The terminal displays the following command-line session:

```
root@192.168.106.128's password:  
Last login: Sun Oct 24 23:36:37 2021  
[root@localhost ~]# lsblk  
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT  
sda 8:0 0 20G 0 disk  
└─sda1 8:1 0 1G 0 part /boot  
sda2 8:2 0 19G 0 part  
└─centos-root 253:0 0 17G 0 lvm /  
└─centos-swap 253:1 0 2G 0 lvm [SWAP]  
sdb 8:16 0 5G 0 disk  
sr0 11:0 1 792M 0 rom  
[root@localhost ~]# fdisk /dev/sdb  
Welcome to fdisk (util-linux 2.23.2).  
Changes will remain in memory only, until you decide to write them.  
Be careful before using the write command.  
Device does not contain a recognized partition table  
Building a new DOS disklabel with disk identifier 0x837e41c5.  
Command (m for help): n  
Partition type:  
 p primary (0 primary, 0 extended, 4 free)  
 e extended  
Select (default p): p  
Partition number (1-4, default 1): 1  
First sector (2048-10485759, default 2048):  
Using default value 2048  
Last sector, +sectors or +size[K,M,G] (2048-10485759, default 10485759):  
Using default value 10485759  
Partition 1 of type Linux and of size 5 GiB is set  
Command (m for help): w  
The partition table has been altered!
```

```
Activities  ▾ PUTTY SSH Client ▾ Oct 24 23:40
Syncing disks.
[root@localhost ~]# lsblk
NAME    MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda      8:0    0   20G  0 disk 
└─sda1   8:1    0   1G  0 part /boot
  └─sda2   8:2    0   19G  0 part 
    ├─centos-root 253:0  0   17G  0 lvm  /
    └─centos-swap 253:1  0   2G  0 lvm  [SWAP]
sdb      8:16   0   5G  0 disk 
└─sdb1   8:17   0   5G  0 part 
sr0     11:0   1  792M 0 rom 
[root@localhost ~]# mkfs -t ext4 /dev/sdb1
mke2fs 1.42.9 (28-Dec-2013)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
327680 inodes, 1310464 blocks
65523 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=1342177280
40 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
          32768, 98304, 163840, 229376, 294912, 819200, 884736

Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done

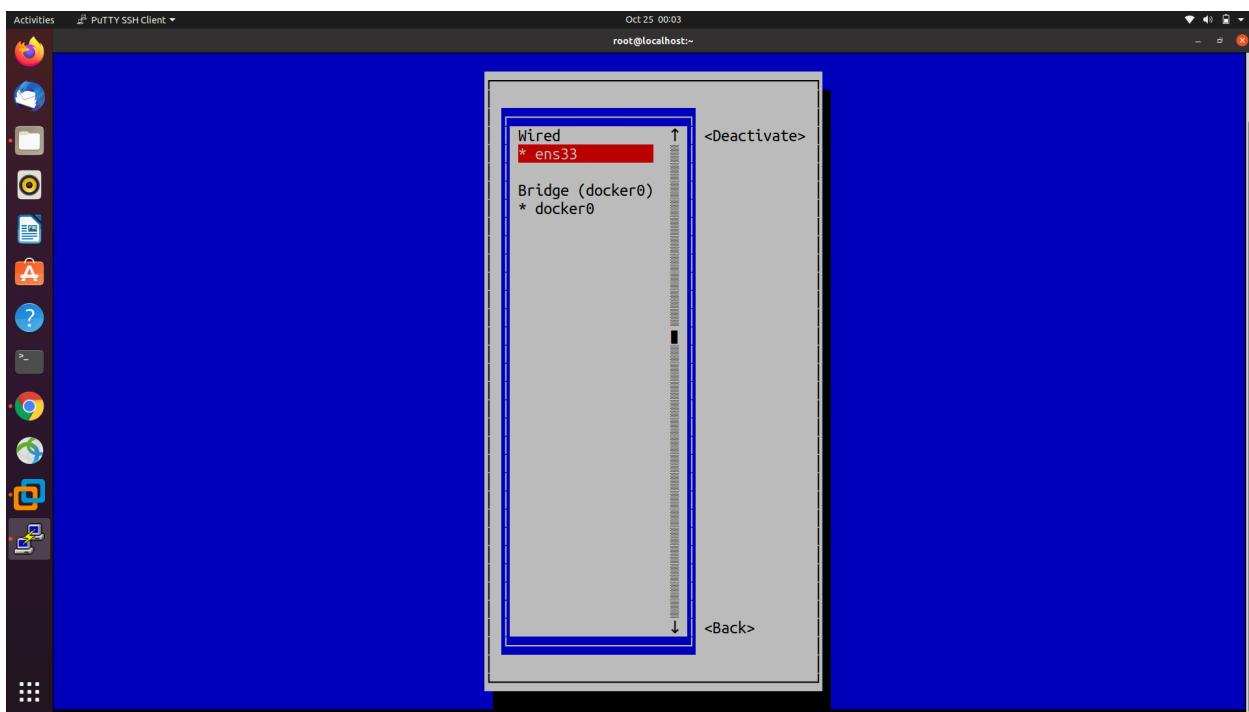
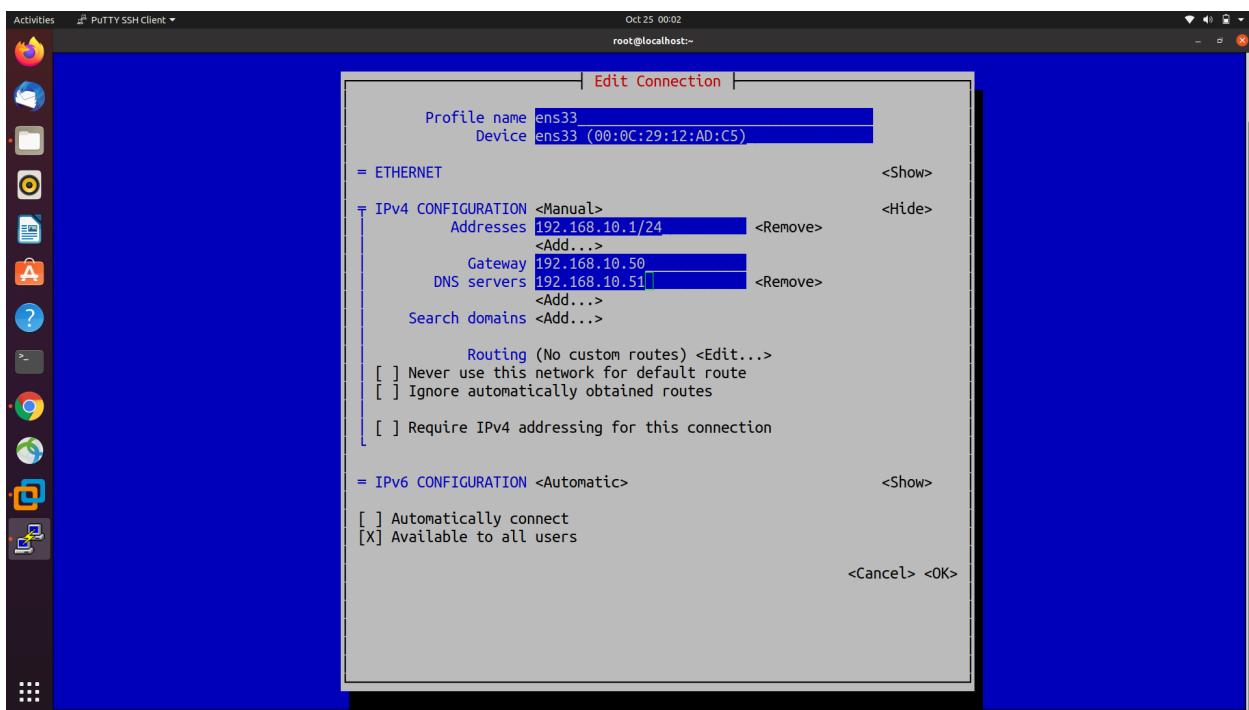
[root@localhost ~]# mkdir /data
[root@localhost ~]# mount /dev/sdb1 /data
[root@localhost ~]# lsblk
```

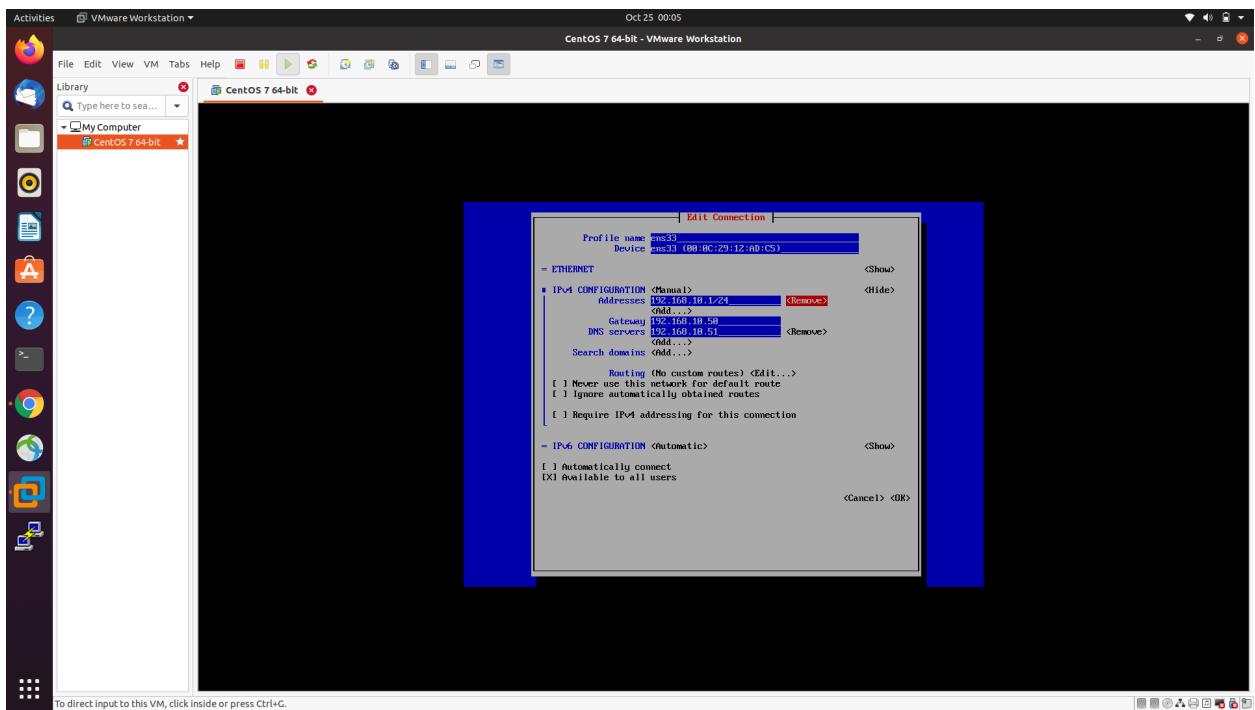
```
Activities  ▾ PUTTY SSH Client ▾ Oct 24 23:40
sr0     11:0   1  792M 0 rom 
[root@localhost ~]# mkfs -t ext4 /dev/sdb1
mke2fs 1.42.9 (28-Dec-2013)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
327680 inodes, 1310464 blocks
65523 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=1342177280
40 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
          32768, 98304, 163840, 229376, 294912, 819200, 884736

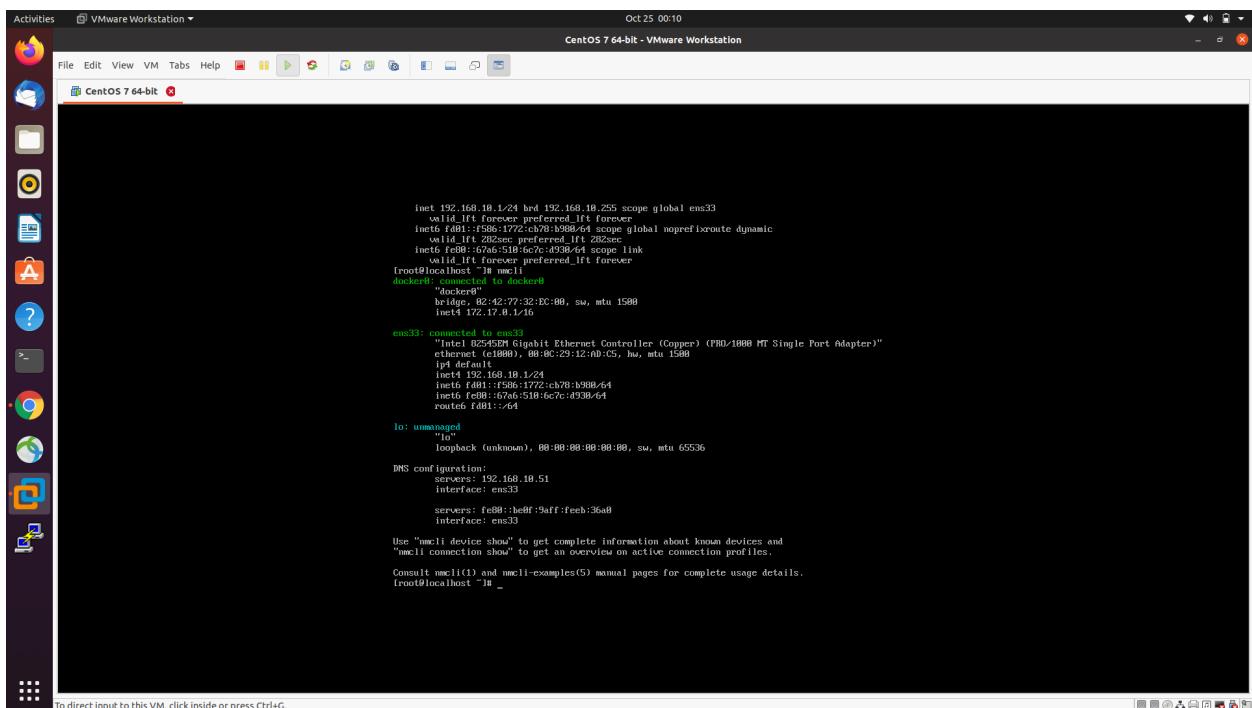
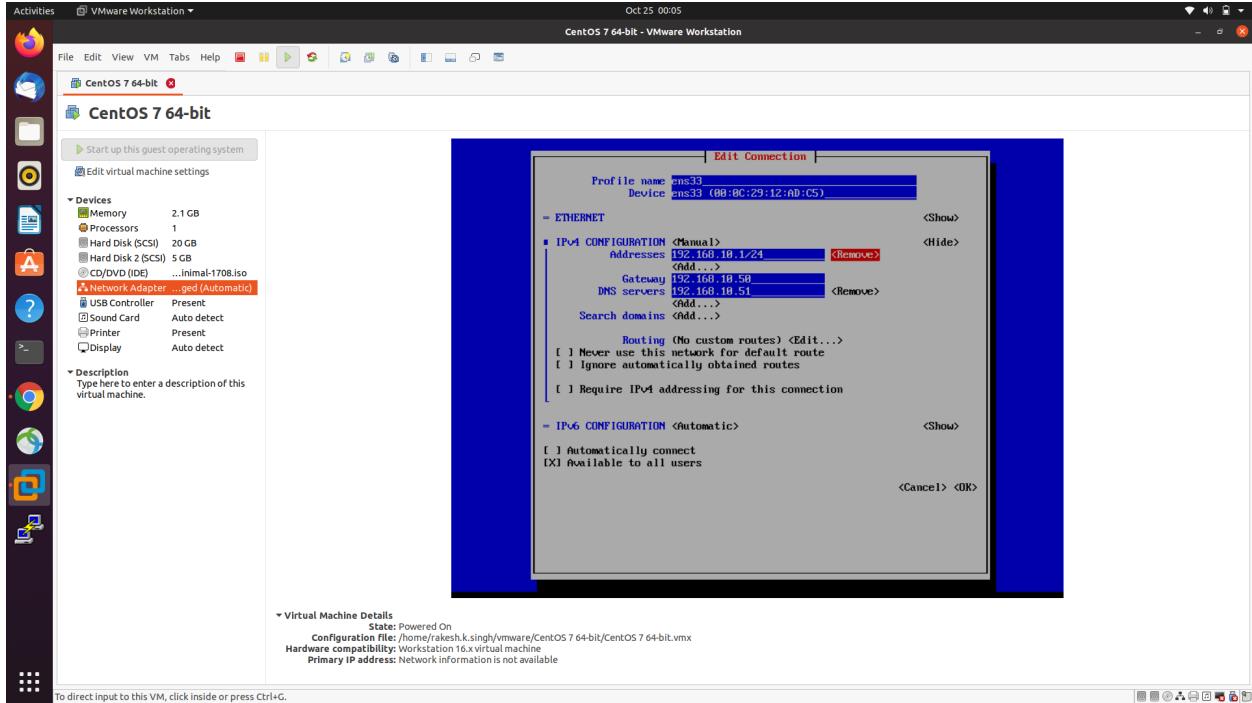
Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done

[root@localhost ~]# mkdir /data
[root@localhost ~]# mount /dev/sdb1 /data
[root@localhost ~]# lsblk
NAME    MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda      8:0    0   20G  0 disk 
└─sda1   8:1    0   1G  0 part /boot
  └─sda2   8:2    0   19G  0 part 
    ├─centos-root 253:0  0   17G  0 lvm  /
    └─centos-swap 253:1  0   2G  0 lvm  [SWAP]
sdb      8:16   0   5G  0 disk 
└─sdb1   8:17   0   5G  0 part 
sr0     11:0   1  792M 0 rom 
[root@localhost ~]#
```

Q4:







Q5:

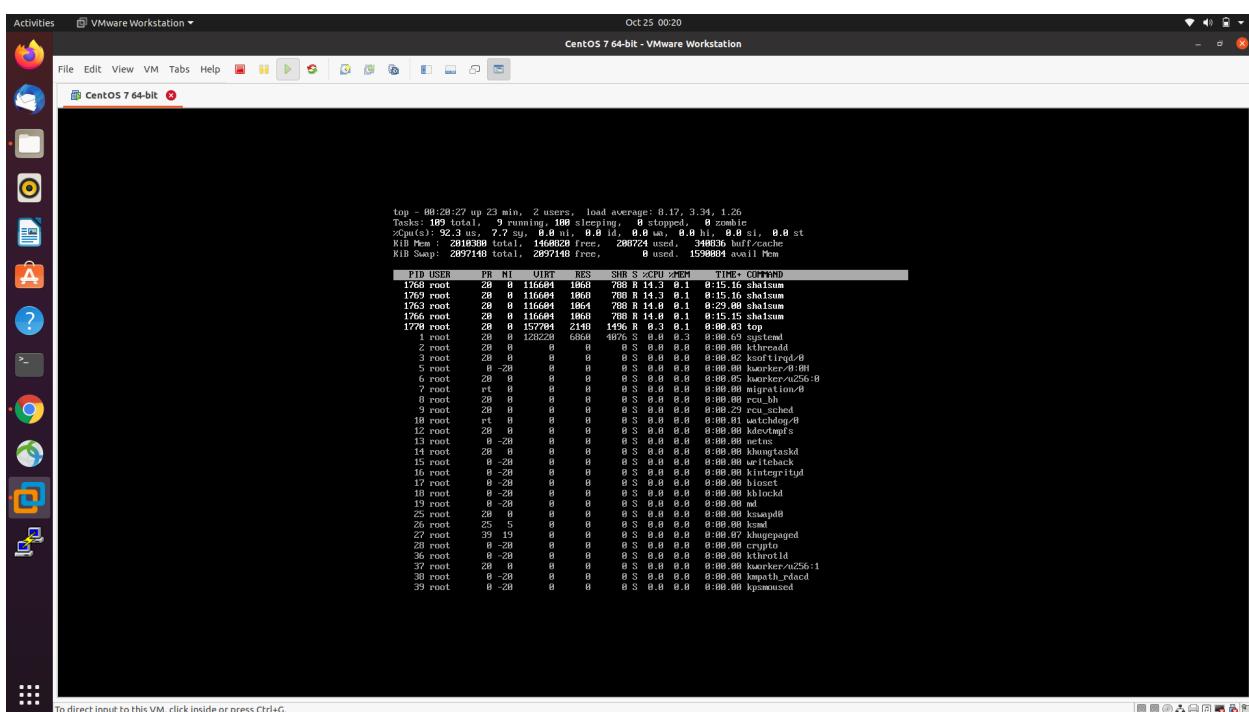
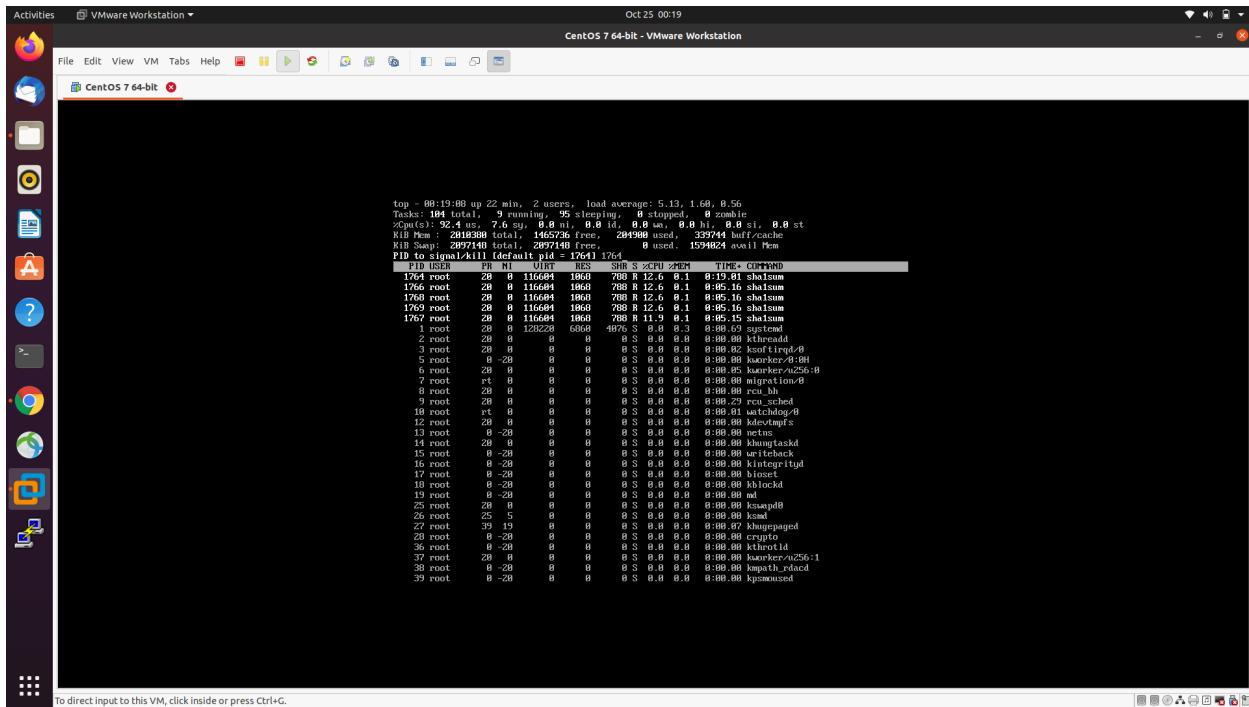
The screenshot shows a VMware Workstation window titled "CentOS 7 64-bit - VMware Workstation". The terminal window displays the output of the "top" command, which provides a real-time view of system resource usage. The output includes the following information:

- System load average over 1, 5, and 15 minutes: 1.95, 0.51, 0.17
- Processor usage: 199 total, 5 running, 95 sleeping, 0 stopped, 0 zombie
- Memory usage: 93.4 us, 6.6 sp, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
- Swap usage: 2018388 total, 1467588 free, 283128 used, 0 used, 1595796 avail Mem

The "top" command output lists processes by PID, USER, PR, NI, UIRT, RES, SHR, S, %CPU, %MEM, TIME+, and COMMAND. Key processes shown include root tasks, kernel threads (ksoftirqd, kworker), and system daemons like httpd, rsyslogd, cron, and crond.

To direct input to this VM, click inside or press Ctrl+G.

To disconnect input to this VM, click inside or press Ctrl+G



To direct input to this VM, click inside or press Ctrl+G.

```
Oct 25 00:20
CentOS 7 64-bit - VMware Workstation
```

File Edit View VM Tabs Help

Activities

CentOS 7 64-bit

```
top - 09:28:53 up 23 min, 1 user, load average: 0.17, 0.23, 1.44
Tasks: 106 total, 10 running, 96 sleeping, 0 stopped, 0 zombie
%Cpu(s): 93.0 us, 7.0 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 2077208 total, 1469800 free, 294276 used, 342916 buff/cache
KiB Swap: 0 used, 1534594 avail swap

PID USER PR NI UPRT RES SHR S %CPU %MEM TIME+ COMMAND
1763 root 28 0 116644 1060 708 R 14.3 0.1 0:16.83 shalsum
1763 root 28 0 116644 1060 708 R 14.3 0.1 0:16.83 shalsum
1766 root 28 0 116644 1060 708 R 14.3 0.1 0:16.83 shalsum
1763 root 28 0 116644 1060 708 R 14.3 0.1 0:16.83 shalsum
1763 root 28 0 116644 1060 4076 S 0.0 0.0 0:06.65 systemd
1 root 28 0 128229 5698 0 S 0.0 0.0 0:06.65 systemd
2 root 28 0 0 0 0 S 0.0 0.0 0:06.65 systemd
3 root 28 0 0 0 0 S 0.0 0.0 0:06.62 ksoftirqd/0
5 root 28 0 0 0 0 S 0.0 0.0 0:06.60 kworker/0:0H
6 root 28 0 0 0 0 S 0.0 0.0 0:06.59 kworker/u256:0
7 root 14 0 0 0 0 S 0.0 0.0 0:06.58 migration/0
8 root 28 0 0 0 0 S 0.0 0.0 0:06.06 rcu_bh
9 root 28 0 0 0 0 S 0.0 0.0 0:05.29 rcu_sched
10 root 28 0 0 0 0 S 0.0 0.0 0:05.00 ksoftirqd/0
12 root 28 0 0 0 0 S 0.0 0.0 0:04.99 kdevtmpfs
13 root 0 -28 0 0 0 S 0.0 0.0 0:04.88 netns
14 root 28 0 0 0 0 S 0.0 0.0 0:04.86 kworker/0:0H
15 root 28 0 0 0 0 S 0.0 0.0 0:04.85 ksoftirqd/0
16 root 28 0 0 0 0 S 0.0 0.0 0:04.84 kintegrityd
17 root 28 0 0 0 0 S 0.0 0.0 0:04.83 bioset
18 root 28 0 0 0 0 S 0.0 0.0 0:04.82 bioset
19 root 28 0 0 0 0 S 0.0 0.0 0:04.81 bioset
25 root 28 0 0 0 0 S 0.0 0.0 0:04.80 bioset
26 root 25 5 0 0 0 S 0.0 0.0 0:04.80 bioset
27 root 31 12 0 0 0 S 0.0 0.0 0:04.79 bioset
28 root 0 -28 0 0 0 S 0.0 0.0 0:04.78 cryptd
36 root 0 -28 0 0 0 S 0.0 0.0 0:04.78 kthrotld
37 root 28 0 0 0 0 S 0.0 0.0 0:04.77 kworker/u256:1
39 root 28 0 0 0 0 S 0.0 0.0 0:04.76 kmpath_rmd
39 root 0 -28 0 0 0 S 0.0 0.0 0:04.75 kmpath_rmd
41 root 0 -28 0 0 0 S 0.0 0.0 0:04.74 ipv6_addrconf

To direct input to this VM, click inside or press Ctrl+G.
```

To direct input to this VM, click inside or press Ctrl+G.

```
Oct 25 00:22
CentOS 7 64-bit - VMware Workstation
```

File Edit View VM Tabs Help

Activities

CentOS 7 64-bit

```
top - 09:22:01 up 25 min, 1 user, load average: 0.34, 4.21, 1.95
Tasks: 106 total, 18 running, 96 sleeping, 0 stopped, 0 zombie
%Cpu(s): 92.4 us, 7.3 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.3 si, 0.0 st
KiB Mem : 2091308 total, 1469800 free, 294276 used, 342916 buff/cache
KiB Swap: 2097440 total, 2097440 free, 0 used, 1534594 avail swap

PID USER PR NI UPRT RES SHR S %CPU %MEM TIME+ COMMAND
1763 root 28 0 116644 1060 708 R 14.3 0.1 0:26.20 shalsum
1763 root 28 0 116644 1060 708 R 14.3 0.1 0:26.20 shalsum
1764 root 28 0 116644 1060 708 R 14.3 0.1 0:26.20 shalsum
1767 root 28 0 116644 1060 708 R 14.3 0.1 0:26.41 shalsum
1763 root 28 0 116644 1060 708 R 14.3 0.1 0:26.41 shalsum
1766 root 28 0 116644 1060 708 R 14.3 0.1 0:26.41 shalsum
1763 root 28 0 116644 1060 708 R 13.6 0.1 0:26.41 shalsum
1763 root 28 0 128229 5698 4076 S 0.0 0.0 0:06.65 systemd
2 root 28 0 0 0 0 S 0.0 0.0 0:06.65 systemd
3 root 28 0 0 0 0 S 0.0 0.0 0:06.62 ksoftirqd/0
5 root 28 0 0 0 0 S 0.0 0.0 0:06.60 kworker/0:0H
6 root 28 0 0 0 0 S 0.0 0.0 0:06.59 kworker/u256:0
7 root 14 0 0 0 0 S 0.0 0.0 0:06.58 migration/0
8 root 28 0 0 0 0 S 0.0 0.0 0:06.06 rcu_bh
9 root 28 0 0 0 0 S 0.0 0.0 0:06.05 rcu_sched
12 root 28 0 0 0 0 S 0.0 0.0 0:06.04 ksoftirqd/0
13 root 28 0 0 0 0 S 0.0 0.0 0:06.03 netns
14 root 28 0 0 0 0 S 0.0 0.0 0:06.02 ksoftirqd/0
15 root 28 0 0 0 0 S 0.0 0.0 0:06.01 ksoftirqd/0
16 root 28 0 0 0 0 S 0.0 0.0 0:06.00 ksoftirqd/0
17 root 0 -28 0 0 0 S 0.0 0.0 0:06.00 bioset
18 root 0 -28 0 0 0 S 0.0 0.0 0:06.00 bioset
19 root 28 0 0 0 0 S 0.0 0.0 0:06.00 bioset
25 root 28 0 0 0 0 S 0.0 0.0 0:06.00 bioset
26 root 25 5 0 0 0 S 0.0 0.0 0:06.00 bioset
27 root 39 19 0 0 0 S 0.0 0.0 0:06.00 bioset
36 root 0 -28 0 0 0 S 0.0 0.0 0:06.00 kthrotld
37 root 28 0 0 0 0 S 0.0 0.0 0:06.00 kworker/u256:1

To direct input to this VM, click inside or press Ctrl+G.
```

Q6:

Activities VMware Workstation Oct 25 00:28 CentOS 7 64-bit - VMware Workstation

```
[root@localhost ~]# jobs
[4]+ Stopped                  shalium /dev/zero
[5]- Running                  shalium /dev/zero &
[6]+ Running                  shalium /dev/zero &
[7]- Running                  shalium /dev/zero &
[8]+ Running                  shalium /dev/zero &
[9]- Running                  sleep 200 &
[10]+ Running                  sleep 300 &
[root@localhost ~]# kill -SIGCONT %1
-bash: kill: SIGCONT: invalid signal specification
[root@localhost ~]# kill -SIGCONT %2
-bash: kill: SIGCONT: invalid signal specification
[root@localhost ~]# kill -SIGCONT %3
-bash: kill: SIGCONT: invalid signal specification
[root@localhost ~]# kill -SIGCONT %4
-bash: kill: SIGCONT: invalid signal specification
[root@localhost ~]# jobs
[4]+ Stopped                  shalium /dev/zero
[5]- Running                  shalium /dev/zero &
[6]+ Running                  shalium /dev/zero &
[7]- Running                  shalium /dev/zero &
[8]+ Running                  shalium /dev/zero &
[9]- Running                  sleep 200 &
[10]+ Running                  sleep 300 &
[root@localhost ~]# kill -SIGKILL %2
-bash: kill: %2: no such job
[10]+ Done                    sleep 200
[root@localhost ~]# jobs
[4]+ Stopped                  shalium /dev/zero
[5]- Running                  shalium /dev/zero &
[6]+ Running                  shalium /dev/zero &
[7]- Running                  shalium /dev/zero &
[8]+ Running                  shalium /dev/zero &
[9]- Running                  sleep 300 &
[11]- Running                 sleep 300 &
```

To direct input to this VM, click inside or press Ctrl+G.

Activities VMware Workstation Oct 25 00:30 CentOS 7 64-bit - VMware Workstation

```
[root@localhost ~]# fg %1
-bash: fg: %1: no such job
[root@localhost ~]# fg %5
shalium /dev/zero
[root@localhost ~]# bg %6
[sudo] password for root: 
[6]+ Done                    sleep 300
[root@localhost ~]# kill -SIGTERM %6
[root@localhost ~]# jobs
[4]+ Stopped                  shalium /dev/zero
[5]- Terminated              shalium /dev/zero
[7]- Running                  shalium /dev/zero &
[8]+ Running                  shalium /dev/zero &
[9]- Running                  sleep 300 &
[root@localhost ~]# kill -SIGSTOP %7
[root@localhost ~]# jobs
[4]+ Stopped                  shalium /dev/zero
[5]- Stopped                  shalium /dev/zero
[6]+ Running                  shalium /dev/zero &
[root@localhost ~]# kill -SIGCONT %4
-bash: kill: SIGCONT: invalid signal specification
[root@localhost ~]# kill -SIGCONT %5
-bash: kill: SIGCONT: invalid signal specification
[root@localhost ~]# kill -SIGCONT %6
-bash: kill: SIGCONT: invalid signal specification
[root@localhost ~]# kill -SIGSTOP %8
[root@localhost ~]# jobs
[4]+ Stopped                  shalium /dev/zero
[5]- Stopped                  shalium /dev/zero
[6]+ Stopped                  shalium /dev/zero &
```

To direct input to this VM, click inside or press Ctrl+G.

Activities VMware Workstation ▾ Oct 25 00:32 CentOS 7 64-bit - VMware Workstation

File Edit View VM Tabs Help

CentOS 7 64-bit

```
[root@localhost ~]# sleep 100 &
[1] 11817
[root@localhost ~]# sleep 200 &
[1] 11818
[root@localhost ~]# sleep 300 &
[1] 11819
[root@localhost ~]# jobs
[1]  Stopped      shalum /dev/zero
[2]  Stopped      shalum /dev/zero
[3]  Stopped      shalum /dev/zero
[4] + Running     sleep 100
[5] + Running     sleep 200
[6] + Running     sleep 300
[root@localhost ~]# _
```

To direct input to this VM, click inside or press Ctrl+G.

Activities VMware Workstation ▾ Oct 25 00:33 CentOS 7 64-bit - VMware Workstation

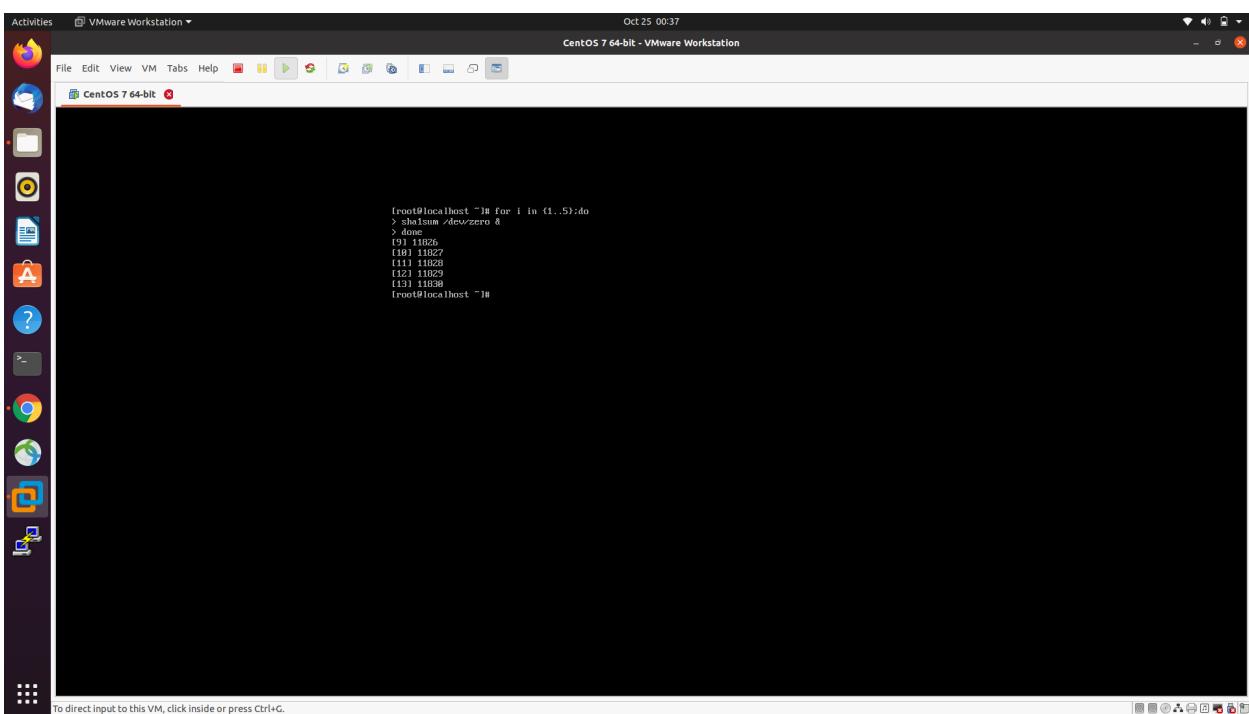
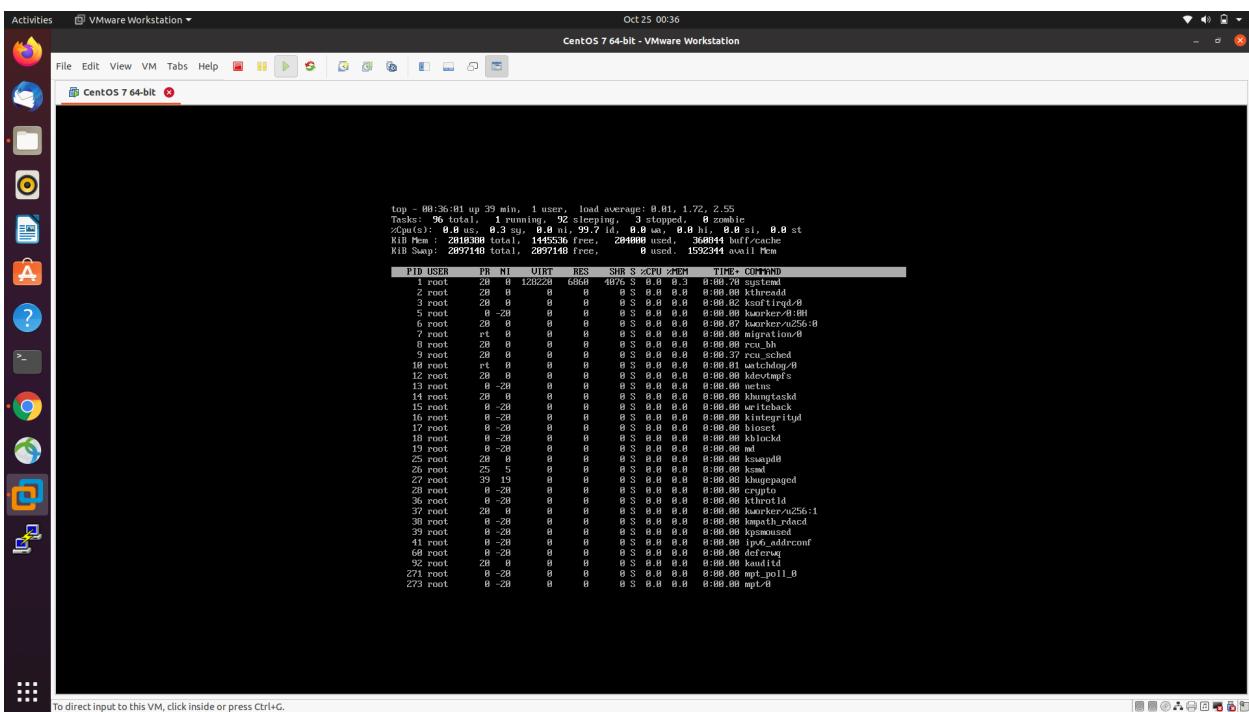
File Edit View VM Tabs Help

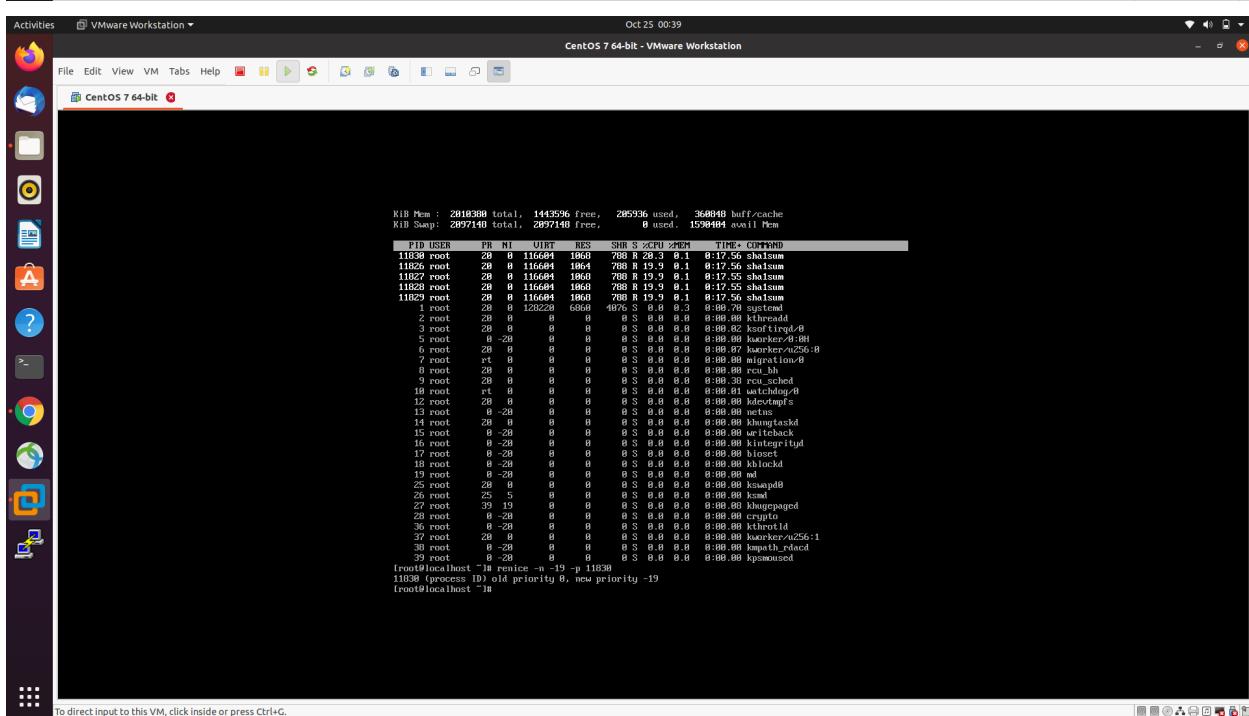
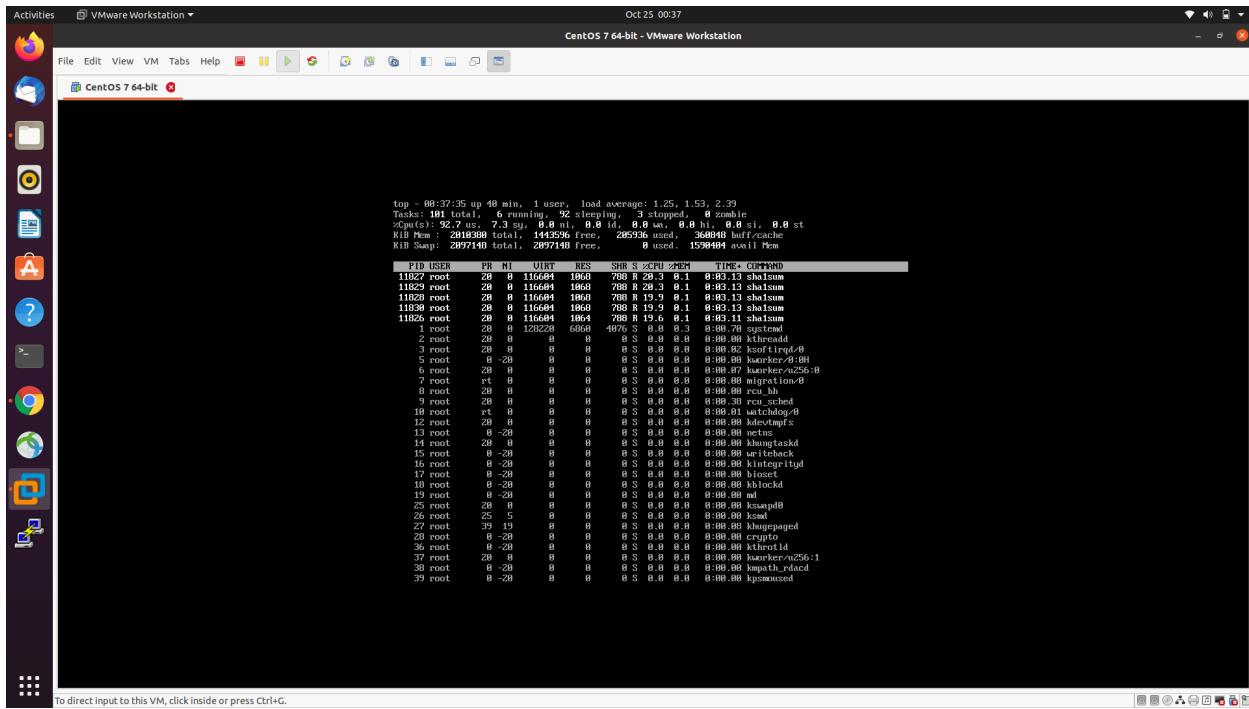
CentOS 7 64-bit

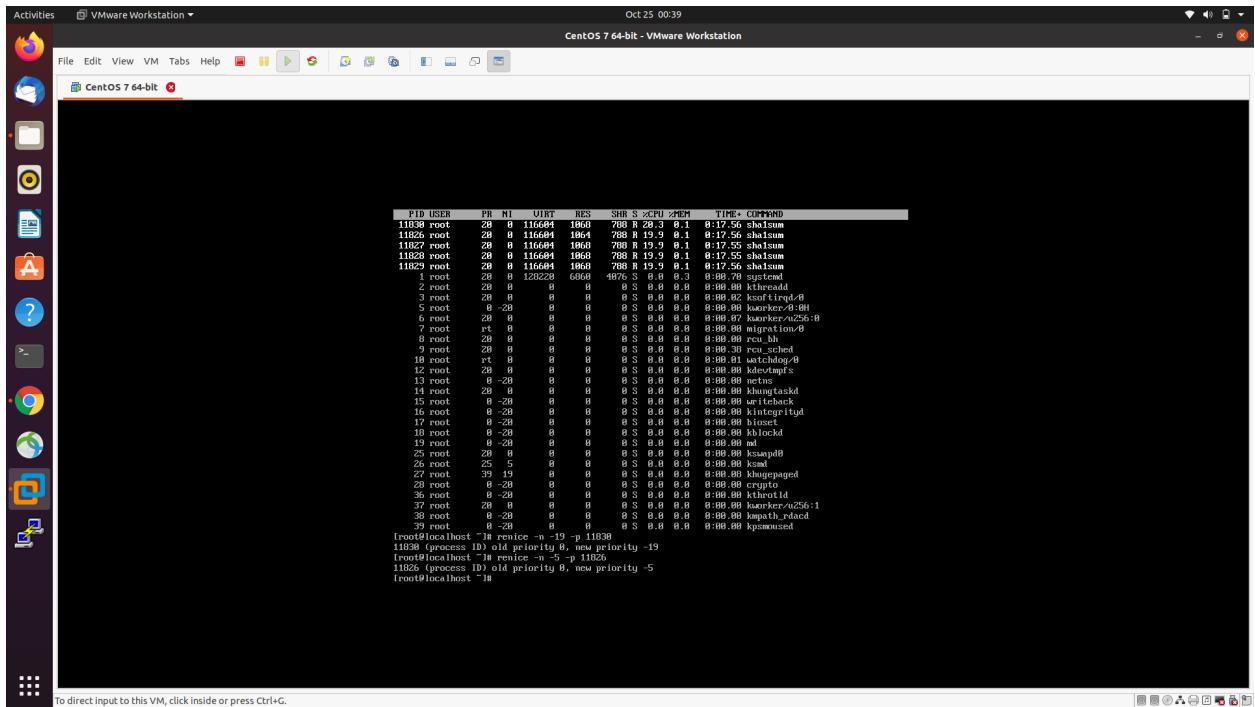
```
[root@localhost ~]# sleep 100 &
[1] 11817
[root@localhost ~]# sleep 200 &
[1] 11818
[root@localhost ~]# sleep 300 &
[1] 11819
[root@localhost ~]# jobs
[1]  Stopped      shalum /dev/zero
[2]  Stopped      shalum /dev/zero
[3]  Stopped      shalum /dev/zero
[4] + Running     sleep 100
[5] + Running     sleep 200
[6] + Running     sleep 300
[root@localhost ~]# fg %1
+sleep 100
[root@localhost ~]# fg %2
+sleep 200
^C
[root@localhost ~]# fg %3
^C
[root@localhost ~]# bg %1
+bg: bg: %1: no such job
[root@localhost ~]# bg %10
+bg: bg: job 10 already in background
[root@localhost ~]# jobs
[1]  Stopped      shalum /dev/zero
[2]  Stopped      shalum /dev/zero
[3]  Stopped      shalum /dev/zero
[4] + Running     sleep 200
[root@localhost ~]# _
```

To direct input to this VM, click inside or press Ctrl+G.

Q7:







Activities VMware Workstation ▾ Oct 25 00:40 CentOS 7 64-bit - VMware Workstation

File Edit View VM Tabs Help

CentOS 7 64-bit

```
top - 09:48:55 up 43 min, 1 user, load average: 4.76, 2.93, 2.79
Tasks: 101 total, 6 running, 92 sleeping, 3 stopped, 0 zombie
Cpu(s): 92.1 us, 7.9 sy, 0.8 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 st
Mem: 2019380 total, 1443224 free, 265308 used, 368656 buff/cache
Kib Swap: 2097140 total, 8 used, 159636 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	CMD
11826	root	15	-5	116684	1864	268	R	4.3	0.1	0:25.62	shalsum
11826	root	15	-5	116684	1864	268	R	3.9	0.1	0:24.94	shalsum
11827	root	28	0	116684	1860	788	R	1.3	0.1	0:24.24	shalsum
11828	root	28	0	116684	1868	788	R	1.3	0.1	0:24.24	shalsum
11829	root	28	0	116684	1865	788	R	1.3	0.1	0:24.24	shalsum
11829	root	28	0	126228	5500	407	S	0.0	0.3	0:06.70	rsyncd
2	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
3	root	28	0	0	0	0	S	0.0	0.0	0:00.02	ksoftirqd/0
5	root	28	0	0	0	0	S	0.0	0.0	0:00.00	ksched
6	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kscheduler/256:0
7	root	rt	0	0	0	0	S	0.0	0.0	0:00.00	migration/0
8	root	28	0	0	0	0	S	0.0	0.0	0:00.00	rcu_bh
9	root	28	0	0	0	0	S	0.0	0.0	0:00.00	ksched
18	root	rt	0	0	0	0	S	0.0	0.0	0:00.01	watchdog/0
12	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kdetectmfs
13	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	netfs
14	root	28	0	0	0	0	S	0.0	0.0	0:00.00	khungtaskd
15	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	writeback
16	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kjneigrityd
17	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	ksched
18	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	ksched
19	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	md
25	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kswapd0
26	root	28	0	0	0	0	S	0.0	0.0	0:00.00	ksched
27	root	39	19	0	0	0	S	0.0	0.0	0:00.00	khungpaged
28	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	crypto
36	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kthrotld
37	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kscheduler/256:1
38	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kmouth_rdacd
39	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kpssmoused

To direct input to this VM, click inside or press Ctrl+G.

Activities VMware Workstation ▾ Oct 25 00:41 CentOS 7 64-bit - VMware Workstation

File Edit View VM Tabs Help

CentOS 7 64-bit

```
top - 09:48:55 up 43 min, 1 user, load average: 4.76, 2.93, 2.79
Tasks: 101 total, 6 running, 92 sleeping, 3 stopped, 0 zombie
Cpu(s): 92.1 us, 7.9 sy, 0.8 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 st
Mem: 2019380 total, 1443224 free, 265308 used, 368656 buff/cache
Kib Swap: 2097140 total, 8 used, 159636 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	CMD
11826	root	15	-5	116684	1864	268	R	4.3	0.1	0:25.62	shalsum
11829	root	28	0	116684	1860	788	R	1.3	0.1	0:24.47	shalsum
11827	root	28	0	116684	1868	788	R	1.0	0.1	0:24.47	shalsum
11829	root	28	0	116684	1865	788	R	1.0	0.1	0:24.47	shalsum
963	root	28	0	126228	18580	5072	S	0.3	0.9	0:00.00	systemd
1	root	28	0	126228	6668	4076	S	0.0	0.3	0:00.70	systemd
2	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
3	root	28	0	0	0	0	S	0.0	0.0	0:00.00	ksched
5	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kscheduler/0:0
6	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kscheduler/256:0
7	root	rt	0	0	0	0	S	0.0	0.0	0:00.00	migration/0
8	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	ksched
9	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	ksched
10	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	watchdog/0
12	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kdetectmfs
13	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	khungtaskd
14	root	28	0	0	0	0	S	0.0	0.0	0:00.00	khungpaged
15	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	writeback
16	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kjneigrityd
17	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	ksched
18	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kbiockd
19	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	md
25	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kswapd0
26	root	28	0	0	0	0	S	0.0	0.0	0:00.00	ksched
27	root	39	19	0	0	0	S	0.0	0.0	0:00.00	khungpaged
28	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	crypto
36	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kthrotld
37	root	28	0	0	0	0	S	0.0	0.0	0:00.00	kscheduler/256:1
38	root	0	-28	0	0	0	S	0.0	0.0	0:00.00	kmouth_rdacd

```
[root@localhost ~]# nice -n -15 11829
nice: 11829: No such file or directory
[root@localhost ~]# nice -n 15 shalsum
^C
[root@localhost ~]#
```

Q8:

The screenshot shows a CentOS 7 64-bit VM running in VMware Workstation. The terminal window displays the following command-line session:

```
[root@localhost temp]# cd ..
[root@localhost ~]# ls
anacron-kx.cfg  temp
[root@localhost ~]# ls temp
[root@localhost ~]# ls /home/consultants/
a1 a2
[root@localhost ~]# cp /home/consultants/ temp/
cp: cannot create directory '/home/consultants/temp'
[root@localhost ~]# rm temp/
[root@localhost ~]# cp -r /home/consultants/ temp/
[root@localhost ~]# ls temp/
ls: cannot access tc: No such file or directory
[root@localhost ~]# rm temp
consultants
[root@localhost ~]# ls
anacron-kx.cfg  temp
[root@localhost ~]# cd temp/
[root@localhost temp]# ls
[root@localhost temp]# cd consultants/
[root@localhost consultants]# ls
a1 a2
[root@localhost consultants]#
```

To direct input to this VM, click inside or press Ctrl+G.

Q9:

Activities VMware Workstation Oct 25 01:00 CentOS 7 64-bit - VMware Workstation

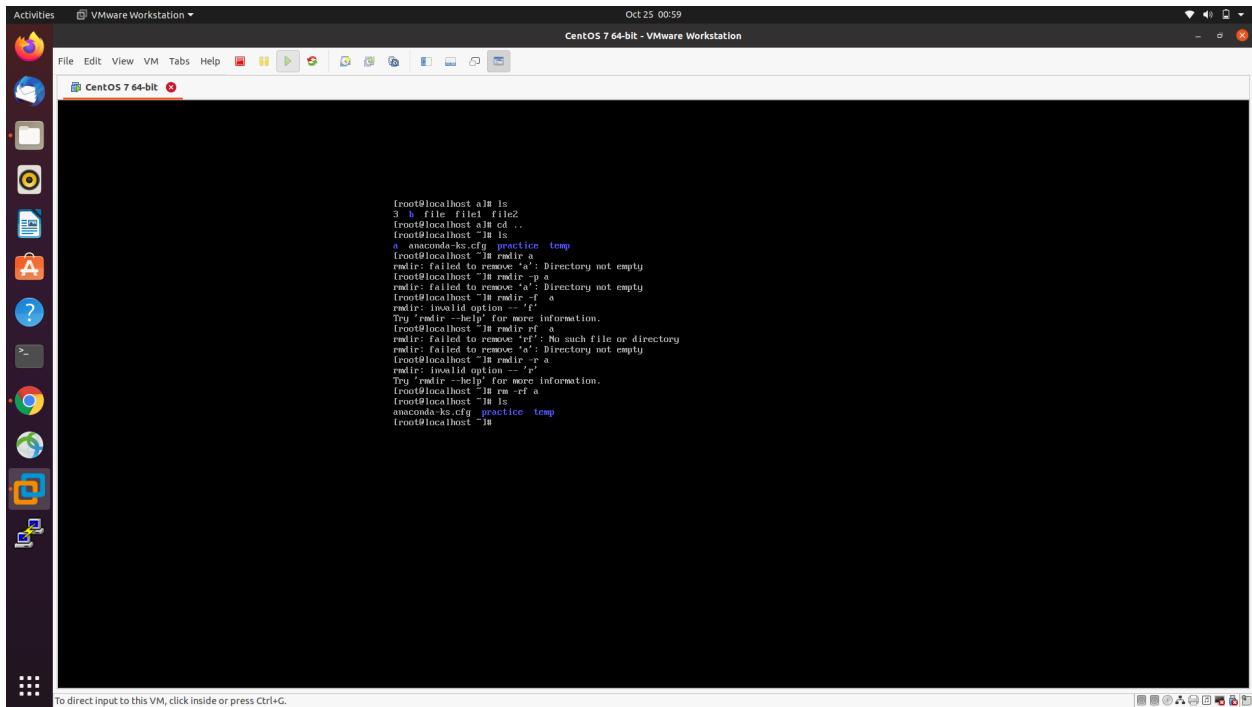
```
root@localhost ~# ls
3 b file1 file2
root@localhost ~# ..
root@localhost ~# ls ..
root@localhost ~# is
a anaconda-ks.cfg practice temp
root@localhost ~# rm -r a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -r a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -rf a
rm: failed to remove 'a': Directory not empty
Try 'rm --help' for more information.
root@localhost ~# rm -rf a
rm: failed to remove 'rf': No such file or directory
root@localhost ~# rm -r a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -r a
rm: invalid option -- 'r'
rm: usage: rm [-f] [-r] [-v] [file...]
root@localhost ~# rm -r a
root@localhost ~# is
anaconda-ks.cfg practice temp
root@localhost ~# rm -rf p/a/b/c/d
root@localhost ~# is
a anaconda-ks.cfg practice temp
root@localhost ~# is a
b
root@localhost ~# is a/b
c
root@localhost ~# is a/b/c
d
root@localhost ~# cd a
root@localhost a# is
b
root@localhost a# touch file1 file2 file3 file4
root@localhost a# is
b file1 file2 file3 file4
root@localhost a# _
```

To direct input to this VM, click inside or press Ctrl+G.

Activities VMware Workstation Oct 25 01:02 CentOS 7 64-bit - VMware Workstation

```
root@localhost ~# pad
>root>
root@localhost ~# is
b file1 file2 file3 file4
root@localhost ~# cat file1
cat
dog
rakesh
brijesh
class
deosps
merns
root@localhost ~# head file1
cat
dog
rakesh
brijesh
class
deosps
merns
root@localhost ~# head -2 file1
cat
dog
root@localhost ~# tail -2 file1
deosps
merns
root@localhost ~# is
b file1 file2 file3 file4
root@localhost ~# rm file3
rm: cannot find file 'file3'? y
root@localhost ~# is
b file1 file2 file4
root@localhost ~# rm -r b
rm: failed to remove 'b': Directory not empty
root@localhost ~# _
```

To direct input to this VM, click inside or press Ctrl+G.



Q10:

Activities VMware Workstation Oct 25 00:59 CentOS 7 64-bit - VMware Workstation

```
root@localhost ~# ls
3 b file1 file2
root@localhost ~# cd ..
root@localhost ~# ls
a anaconda-ks.cfg practice temp
root@localhost ~# rm -r a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -r a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -rf a
rm: cannot remove 'a': Is a directory
Try 'rm -r --help' for more information.
root@localhost ~# rm -rf a
rm: failed to remove 'rf': No such file or directory
root@localhost ~# rm -r -p a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -r -p a
rm: invalid option -- 'r'
rm: invalid option -- 'p'
Try 'rm --help' for more information.
root@localhost ~# rm -rf a
root@localhost ~# ls
anaconda-ks.cfg practice temp
root@localhost ~#
```

To direct input to this VM, click inside or press Ctrl+G.

Activities VMware Workstation Oct 25 01:00 CentOS 7 64-bit - VMware Workstation

```
root@localhost ~# ls
3 b file1 file2
root@localhost ~# cd ..
root@localhost ~# ls
a anaconda-ks.cfg practice temp
root@localhost ~# rm -r a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -r -p a
rm: failed to remove 'a': Directory not empty
root@localhost ~# rm -r -p a
rm: invalid option -- 'r'
rm: invalid option -- 'p'
Try 'rm --help' for more information.
root@localhost ~# rm -rf a
root@localhost ~# ls
anaconda-ks.cfg practice temp
root@localhost ~# rm -p a/b/c/d
root@localhost ~# rm -r -p a/b/c/d
root@localhost ~# ls
a anaconda-ks.cfg practice temp
root@localhost ~# a
b
root@localhost ~# touch file1 file2 file3 file4
root@localhost ~# ls
b file1 file2 file3 file4
root@localhost ~# _
```

To direct input to this VM, click inside or press Ctrl+G.

```
[root@localhost ~]# ps aux
root 1 0.0 0.0 104 16 S+ 10:59 pts/0 0:00 ps aux
[root@localhost ~]# ls
file1 file2 file3 file4
[root@localhost ~]# cat file1
cat
dog
gash
biljesh
class
deops
devsops
merges
[root@localhost ~]# head -2 file1
cat
cat
[root@localhost ~]# tail -2 file1
cat
dog
[root@localhost ~]# rm file3
rm: cannot find file to remove 'file3': No such file or directory
[root@localhost ~]# ls
file1 file2 file4
[root@localhost ~]# rm -r file4
rm: failed to remove 'file4': Directory not empty
[root@localhost ~]#
```

To direct input to this VM, click inside or press Ctrl+G.

```
#!/bin/bash
if [ $# == 0 ]; then
    echo "Invalid Argument."
elif [ $1 != create ]; then
    for i in $(cat @create)
    do
        useradd -s /bin/false "$i"
    done
else
    echo "Invalid File Name!"
fi

-- INSERT --
```

To direct input to this VM, click inside or press Ctrl+G.

Q11:

To direct input to this VM, click inside or press Ctrl+G.

The screenshot shows a VMware Workstation interface with a CentOS 7.6-bit VM running. The terminal window displays the following command-line session:

```
[root@localhost ~]# ls
a anaconda-ks.cfg backupfile backupcode create practice temp useradd
[root@localhost ~]# cat backfl i
badshah:x:1016:1017::/home/badshah:/bin/false
panix:x:1016:1017::/home/panix:/bin/false
mkhh:x:1017:1018::/home/mkhh:/bin/false
lkdnl:x:1018:1019::/home/lkdnl:/bin/false
ins:x:1019:1020::/home/ins:/bin/false
[root@localhost ~]# cat backfl i
badsha:x:1015:1016::/home/badsha:/bin/false
panix:x:1015:1017::/home/panix:/bin/false
mkhh:x:1017:1018::/home/mkhh:/bin/false
lkdnl:x:1018:1019::/home/lkdnl:/bin/false
ins:x:1019:1020::/home/ins:/bin/false
[root@localhost ~]# _
```

Q12:

The screenshot shows a VMware Workstation window running a CentOS 7 64-bit Linux distribution. The terminal window displays the following command-line session:

```
[root@localhost ~]# bash printitto100
Number 1
Number 2
Number 3
Number 4
Number 5
Number 6
Number 7
Number 8
Number 9
Number 10
Number 11
Number 12
Number 13
Number 14
Number 15
Number 16
Number 17
Number 18
Number 19
Number 20
[root@localhost ~]# _
```

The desktop environment includes a dock with various application icons such as a browser, file manager, terminal, and system tools. The top bar shows the title "CentOS 7 64-bit - VMware Workstation" and the date/time "Oct 25 01:33". A status bar at the bottom indicates "To direct input to this VM, click inside or press Ctrl+G."

To direct input to this VM, click inside or press Ctrl+G.

To direct input to this VM, click inside or press **Ctrl+G**

Q13:

The screenshot shows a terminal window titled "CentOS 7 64-bit" running on a CentOS 7 host. The terminal displays the output of a script named "oddnum" which prints odd numbers from 1 to 19. The script also includes a comment indicating it was written in bash.

```
oddnum" 1L 7% written
[root@localhost ~]# bash oddnum
1 is an odd number.
3 is an odd number.
5 is an odd number.
7 is an odd number.
9 is an odd number.
11 is an odd number.
13 is an odd number.
15 is an odd number.
17 is an odd number.
19 is an odd number.
[root@localhost ~]#
```

To direct input to this VM, click inside or press Ctrl+G.

The screenshot shows a terminal window titled "CentOS 7 64-bit" running on a CentOS 7 system. The terminal displays a script that prints odd numbers from 1 to 29. The script content is as follows:

```
#!/bin/bash
for i in {1..29}; do
if (( $i%2 != 0 )); then
echo "$i is an odd number."
fi
done
```

The output of the script is:

```
"oddnum" 6L 99C
```

The terminal window has a standard Linux desktop interface with a vertical application menu on the left and a title bar at the top.

Q14:

Activities VMware Workstation Oct 25 01:42 CentOS 7 64-bit - VMware Workstation

The screenshot shows a terminal window titled "CentOS 7 64-bit" running on a CentOS 7 host. The terminal displays the following command-line session:

```
root@localhost ~# ls
a         backfile  create      oddnum  printito100 uscradd
aencoda-hx.cfg  backupcode  filenamexits  practice  temp
[root@localhost ~]# bash filenamexits create
Enter file name:
create
the file create exists
[root@localhost ~]# _
```

To direct input to this VM, click inside or press Ctrl+G.

Activities VMware Workstation Oct 25 01:43 CentOS 7 64-bit - VMware Workstation

The screenshot shows a terminal window titled "CentOS 7 64-bit" running on a CentOS 7 host. The terminal displays the following command-line session:

```
root@localhost ~# ls
a         backfile  create      oddnum  printito100 uscradd
aencoda-hx.cfg  backupcode  filenamexits  practice  temp
[root@localhost ~]# bash filenamexits create
Enter file name:
create
the file create exists
[root@localhost ~]# cat filenamexits
#!/bin/bash
echo "Enter file name"
read filename
if [ ! -f $filename ]; then
echo "The file $filename exits"
else
echo "The file $filename does not exist in current directory"
fi
[root@localhost ~]# _
```

To direct input to this VM, click inside or press Ctrl+G.

Q15:

The screenshot shows a terminal window titled "CentOS 7 64-bit" running on a CentOS 7 host. The terminal displays a script named "checkgreaterthan" which reads a number from the user and prints it if it's greater than 10. The user has entered "10" and the script has printed "10".

```
[root@localhost ~]# ls
a         backfile  checkgreaterthan  create      oddnum  printito100  uscradd
anaconda-ks.cfg  backupcode  checkgreaterthan*  filenameexists  practice  temp
[root@localhost ~]# cat checkgreaterthan
#!/bin/bash
echo enter the number
read number
if [ $number -gt 10 ]; then
echo "$number is greater than 10."
elif [ $number -lt 10 ]; then
echo "$number is less than 10"
elif [ $number -eq 10 ]; then
echo "$number is equal to 10"
else
echo "oops ! you havent entered a number"
fi
[root@localhost ~]_
```

The screenshot shows a terminal window titled "CentOS 7 64-bit" running on a CentOS 7 host. The terminal displays a script named "checkgreaterthan" which reads a number from the user and prints it if it's greater than 10. The user has entered "20" and the script has printed "20". The user then runs the script again with the command "bash checkgreaterthan 20" and enters "20" again, resulting in another output of "20".

```
[root@localhost ~]# ls
a         backfile  checkgreaterthan  create      oddnum  printito100  uscradd
anaconda-ks.cfg  backupcode  checkgreaterthan*  filenameexists  practice  temp
[root@localhost ~]# cat checkgreaterthan
#!/bin/bash
echo enter the number
read number
if [ $number -gt 10 ]; then
echo "$number is greater than 10."
elif [ $number -lt 10 ]; then
echo "$number is less than 10"
elif [ $number -eq 10 ]; then
echo "$number is equal to 10"
else
echo "oops ! you havent entered a number"
fi
[root@localhost ~]# bash checkgreaterthan
enter the number
20
20 is greater than 10.
[root@localhost ~]# bash checkgreaterthan 20
enter the number
20
20 is greater than 10.
[root@localhost ~]_
```

Q1:

Oct 25 07:35

A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
MYVPC

IPv4 CIDR block Info
10.0.0.0/16

IPv6 CIDR block Info
 No IPv6 CIDR block
 Amazon-provided IPv6 CIDR block
 IPv6 CIDR owned by me

Tenancy Info
Default

Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Feedback English (US) ▾

Oct 25 07:36

You successfully created **vpc-0feaee9246db40623 / MYVPC**

vpc-0feaee9246db40623 / MYVPC

Details Info

VPC ID	State	DNS hostnames	DNS resolution
vpc-0feaee9246db40623	Available	Disabled	Enabled
Tenancy	DHCP options set	Main route table	Main network ACL
Default	dopt-55e15a3e	rtb-0702101eb093f967f	acl-0d08e68009cca7480
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR
No	10.0.0.0/16	-	-
Route 53 Resolver DNS Firewall rule groups	Owner ID		
-	787619482938		

CIDRs Flow logs Tags

Feedback English (US) ▾

Activities Google Chrome

Assignment - Google Docs VPC Management Console

Oct 25 07:37

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateSubnet:

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Services

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Mumbai Support

VPC Subnets Create subnet

Create subnet Info

VPC

VPC ID
Create subnets in this VPC.
vpc-0feaee9246db40623 (MYVPC)

Associated VPC CIDRs
IPv4 CIDRs
10.0.0.0/16

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.
MYSUBNET-01
The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1a

Feedback English (US) Privacy Policy Terms of Use Cookie preferences

© 2006- 2021 Amazon Internet Services Private Ltd, or its affiliates. All rights reserved.

Activities Google Chrome

Assignment - Google Docs VPC Management Console

Oct 25 07:37

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateSubnet:

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Services

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Mumbai Support

10.0.0.0/16

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name
Create a tag with a key of 'Name' and a value that you specify.
MYSUBNET-01
The name can be up to 256 characters long.

Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1a

IPv4 CIDR block Info
10.0.0.0/24

Tags - optional

Key Value - optional

Name MYSUBNET-01 Remove

Add new tag

You can add 49 more tags.

Remove

Feedback English (US) Privacy Policy Terms of Use Cookie preferences

© 2006- 2021 Amazon Internet Services Private Ltd, or its affiliates. All rights reserved.

Activities Google Chrome ▾ Assignment - Google Doc ▾ Attach internet gateway ▾ + Oct 25 07:38

← → C ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#AttachInternetGateway?internetGatewayId=igw-0f5f7b264f2869e55

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Mumbai Support ⓘ

VPC > Internet gateways > Attach to VPC (igw-0f5f7b264f2869e55)

Attach to VPC (igw-0f5f7b264f2869e55) Info

VPC
Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs
Attach the internet gateway to this VPC.
 X

▶ AWS Command Line Interface command

Cancel **Attach internet gateway**

Feedback English (US) ⓘ © 2006 - 2021 Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Activities Google Chrome ▾ Assignment - Google Doc ▾ VPC Management Console ▾ + Oct 25 07:39

← → C ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#CreateRouteTable:

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Mumbai Support ⓘ

VPC > Route tables > Create route table

Create route table Info

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.

VPC
The VPC to use for this route table.

Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key Value - optional Remove

Add new tag

You can add 49 more tags.

Feedback English (US) ⓘ © 2006 - 2021 Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Activities Google Chrome ▾ Assignment - Google Doc Route tables | VPC Manager Oct 25 07:39

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTables

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Mumbai Support

New VPC Experience Tell us what you think

VPC Dashboard EC2 Global View new

Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs Subnets **Route Tables** new

Internet Gateways Egress Only Internet Gateways DHCP Options Sets Elastic IPs Managed Prefix Lists Endpoints Endpoint Services NAT Gateways Peering Connections new

SECURITY

Network ACLs Security Groups

REACHABILITY

Reachability Analyzer

DNS FIREWALL

Rule Groups new Domain Lists new

Route tables (1/4) Info Filter route tables

Name	Route table ID	Explicit subnet a...	Edge associ...	M...	VPC	Owner ID
<input checked="" type="checkbox"/> VPC-ROUTE	rtb-06856834996c...	-	-	No	vpc-0feaee9246db406...	787619482938
<input type="checkbox"/>	rtb-0702101eb09...	-	-	Yes	vpc-0feaee9246db406...	787619482938
<input type="checkbox"/>	rtb-bb8715d0	-	-	Yes	vpc-c8924ea3	787619482938
<input type="checkbox"/>	rtb-0a89e4918ecb...	-	-	Yes	vpc-04cbc796d63b28...	787619482938

Routes (1) Edit routes Filter routes Both

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#

Activities Google Chrome ▾ Assignment - Google Doc VPC Management Console Oct 25 07:40

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRouteTableSubnetAssociationsRouteTableId=rtb-06856834996c26e91

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Mumbai Support

VPC > Route tables > rtb-06856834996c26e91 > Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (1/1)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/> MYSUBNET-01	subnet-00be4bc95d384670	10.0.0.0/24	-	Main (rtb-0702101eb093f967f)

Selected subnets

subnet-00be4bc95d384670 / MYSUBNET-01

Cancel Save associations

Feedback English (US) ▾

Activities Google Chrome Oct 25 07:41

Assignment - Google Docs VPC Management Console + ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-06856834996c26e91

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Mumbai Support

New VPC Experience Tell us what you think

VPC Dashboard EC2 Global View new Filter by VPC: Select a VPC

RUTE TABLES new

Route Table ID rtb-06856834996c26e91 Main Explicit subnet associations subnet-00be4bce5d384670 / MYSUBNET-01

VPC Owner ID 787619482938

Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Filter routes Both

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-0f5f7b264f2869e55	Active	No

© 2008- 2021 Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Activities Google Chrome Oct 25 07:43

Assignment - Google Docs Your VPCs | VPC Management Launch instance wizard + ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Mumbai Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances 1 Launch into Auto Scaling Group

Purchasing option Request Spot instances

Network vpc-0feaae9246db40623 | MYVPC Create new VPC

Subnet subnet-00be4bce5d384670 | MYSUBNET-01 | ap-s1 Create new subnet 251 IP Addresses available

Auto-assign Public IP Enable

Placement group Add instance to placement group

Capacity Reservation Open

Domain join directory No directory Create new directory

IAM role None Create new IAM role

Shutdown behavior Stop

Stop - Hibernate behavior Enable hibernation as an additional stop behavior

Enable termination protection Protect against accidental termination

Monitoring Enable CloudWatch detailed monitoring Additional charges apply

Tenancy Shared - Run a shared hardware instance Additional charges will apply for dedicated tenancy.

Credit specification Unlimited Additional charges may apply

Cancel Previous Review and Launch Next: Add Storage

Feedback English (US) © 2008- 2021 Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Activities Google Chrome Oct 25 07:44

Assignment - Google Docs | Your VPCs | VPC Manager | Launch instance wizard | +

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Mumbai Support Reading list

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: Create a new security group Select an existing security group

Security group name:

Description: launch-wizard-5 created 2021-10-25T07:43:45.425+05:30

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	Anywhere	0.0.0.0/:/0 e.g. SSH for Admin Desktop

Add Rule

Warning
Rules with source of 0.0.0.0/ allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Canc Previous Review and Launch

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Activities Google Chrome Oct 25 07:45

Assignment - Google Docs | Your VPCs | VPC Manager | Instances | EC2 Management | +

ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Mumbai Support Reading list

New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Capacity Reservations

Images

AMIs

Elastic Block Store

Instances (1/1) Info

Filter instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
vpc	i-092791f7660442bdd	Pending	t2.micro	-	-	ap-south-1a	-	65.0.72.178	-

Connect Instance state Actions Launch instances

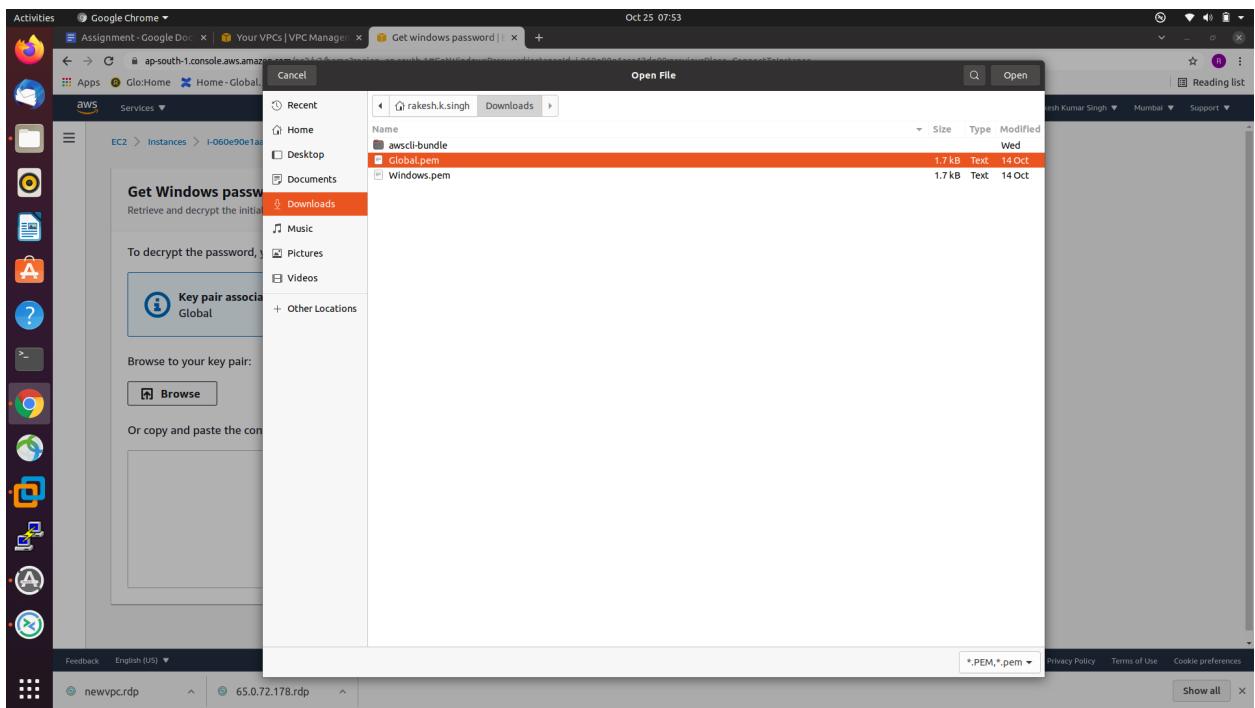
Instance: i-092791f7660442bdd (vpc)

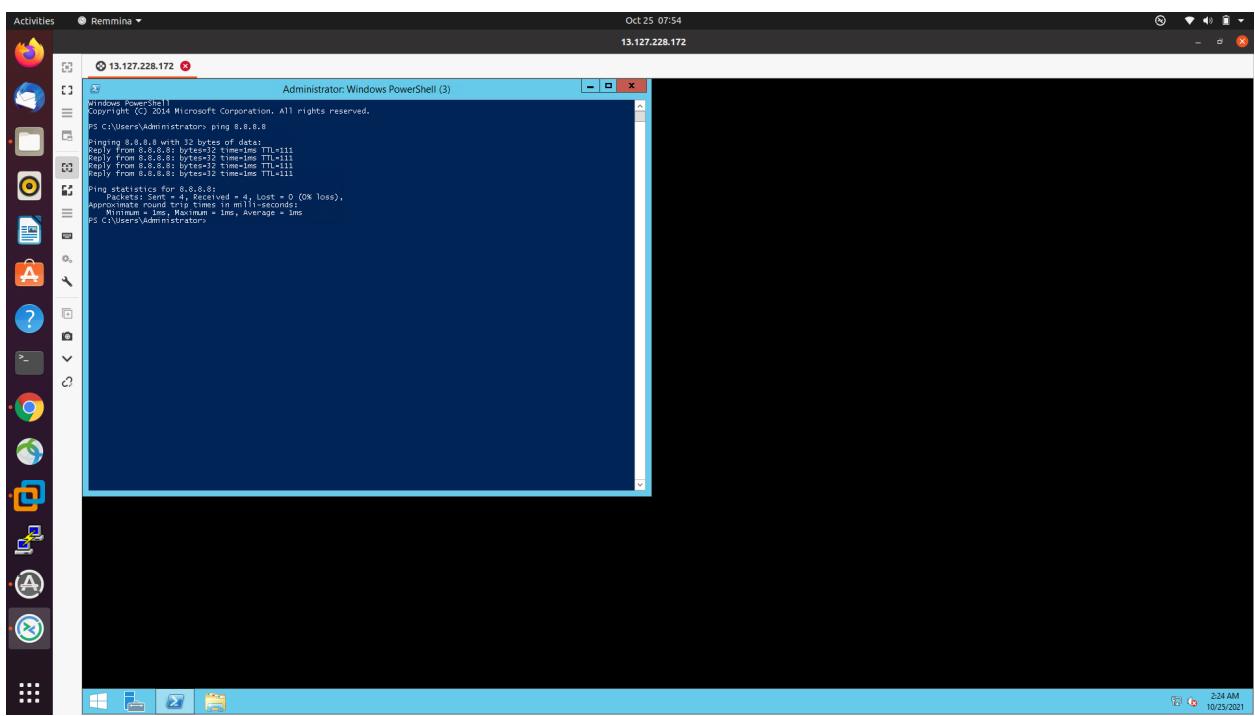
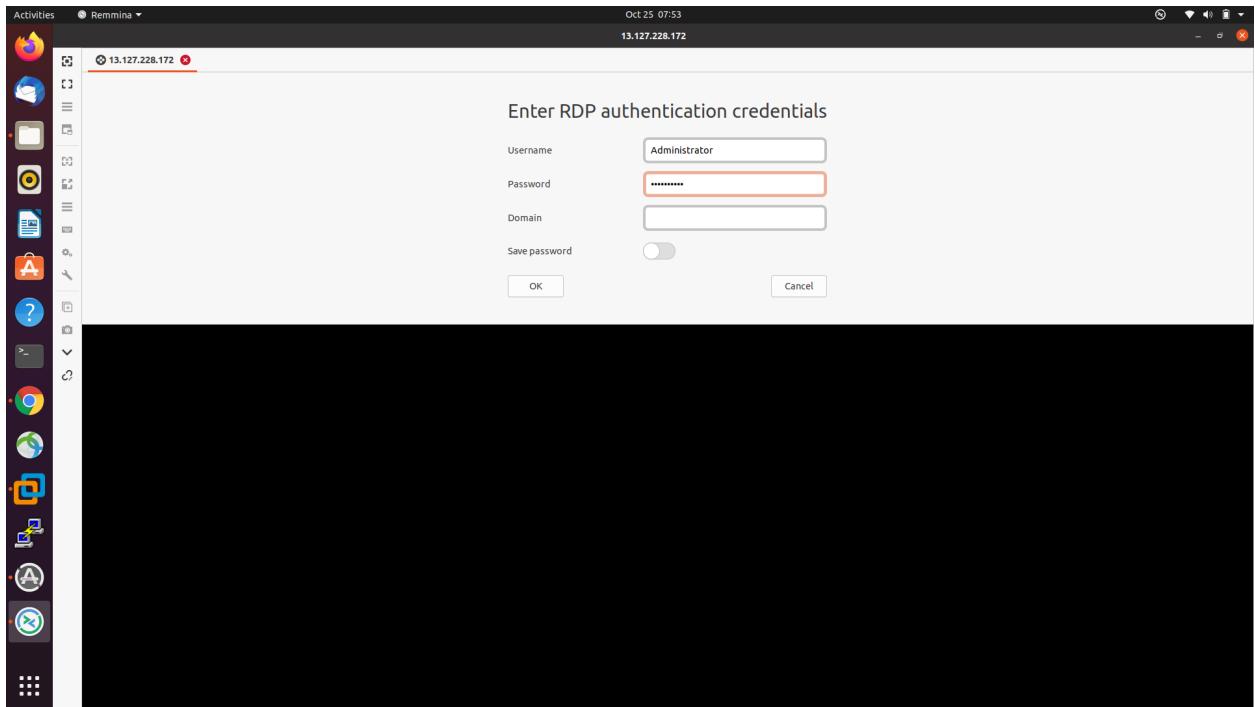
Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	I-092791f7660442bdd (vpc)	Public IPv4 address	65.0.72.178 open address
IPv6 address	-	Instance state	Pending
Private IPv4 DNS	ip-10-0-0-146.ap-south-1.compute.internal	Instance type	t2.micro
		Private IPv4 addresses	10.0.0.146
		Public IPv4 DNS	-
		Elastic IP addresses	-

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences





Q2:

The screenshot shows two consecutive screenshots of the AWS VPC Management Console.

Screenshot 1: Step 6: Configure Security Group

This screenshot shows the "Configure Security Group" step of the Launch Instance wizard. It displays a table of security group rules:

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Anywhere	e.g. SSH for Admin Desktop
HTTP	TCP	80	Anywhere	e.g. SSH for Admin Desktop
HTTPS	TCP	443	Anywhere	e.g. SSH for Admin Desktop
RDP	TCP	3389	Anywhere	e.g. SSH for Admin Desktop
All TCP	TCP	0 - 65535	Anywhere	e.g. SSH for Admin Desktop

A warning message at the bottom states: "Warning: Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only."

Screenshot 2: Instances (1/3) Info

This screenshot shows the Instances page. It lists three instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
vpc	i-092791f7660442bdd	Terminated	t2.micro	-	-	ap-south-1a	-	-	-
newvpc	i-060e90901aa4a2de09	Running	t2.micro	2/2 checks passed	-	ap-south-1a	-	13.127.228.172	-
Linux	i-0836254d18df5ef33	Pending	t2.micro	-	-	ap-south-1a	ec2-13-127-12-164.ap...	13.127.12.164	-

The details for the instance with ID i-0836254d18df5ef33 are shown in a modal window:

Instance: i-0836254d18df5ef33 (Linux)		
Details	Security	Networking
Instance summary	Info	
Instance ID i-0836254d18df5ef33 (Linux)	Public IPv4 address 13.127.12.164 open address	Private IPv4 addresses 172.31.34.70 ap-south-1.compute.internal
IPv6 address -	Instance state Pending	Public IPv4 DNS ec2-13-127-12-164.ap-south-1.compute.amazonaws.com open address
Private IPv4 DNS 172.31.34.70 ap-south-1.compute.internal	Instance type t2.micro	Elastic IP addresses

Activities Google Chrome ▾

Oct 25 08:03

Assignment - Google Drive VPC Management Console Instances | EC2 Manager

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Rakesh Kumar Singh Mumbai Support

Reading list

New EC2 Experience

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Capacity Reservations

Images AMIs

Elastic Block Store

Feedback English (US) ▾

Instances (1/3) Info

Filter instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
vpc	i-092791f7660442bdd	Terminated	t2.micro	-	-	ap-south-1a	-	-	-
newvpc	i-060e90e1aaa42de09	Running	t2.micro	2/2 checks passed	-	ap-south-1a	-	13.127.228.172	-
Linux	i-0836254d18df5ef33	Running	t2.micro	2/2 checks passed	-	ap-south-1a	ec2-13-127-12-164.ap-south-1.compute.amazonaws.com	13.127.12.164	-

Instance: i-0836254d18df5ef33 (Linux)

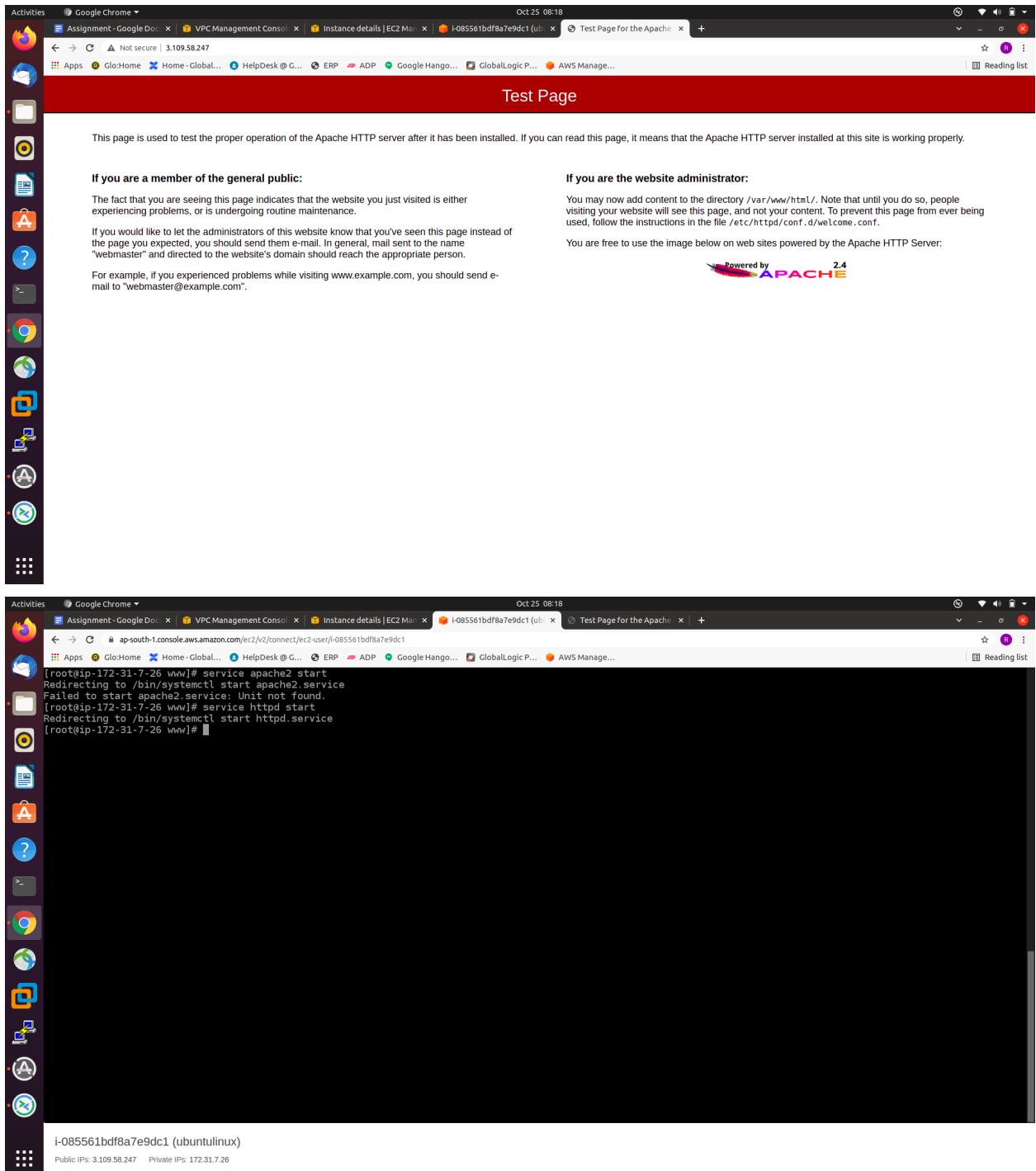
Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

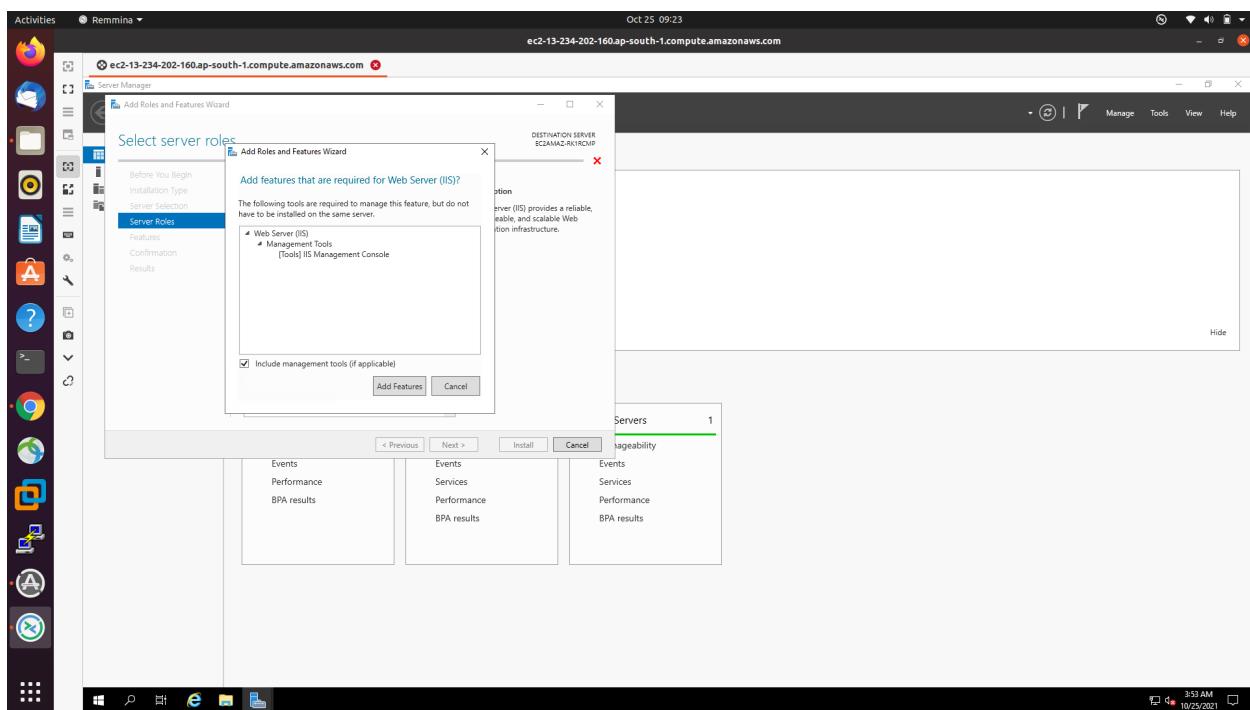
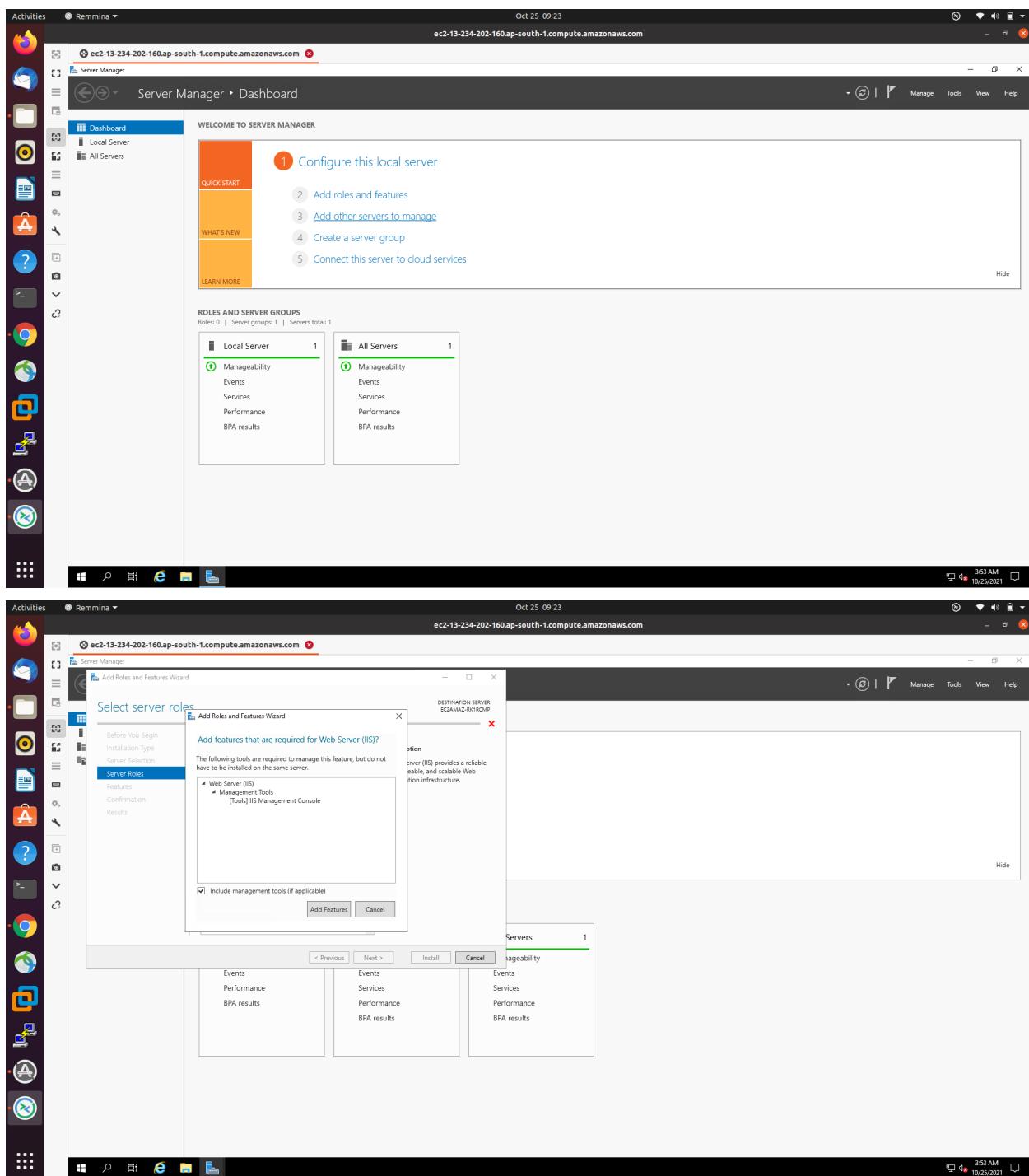
Instance ID i-0836254d18df5ef33 (Linux)	Public IPv4 address 13.127.12.164 open address	Private IPv4 addresses 172.31.34.70
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-13-127-12-164.ap-south-1.compute.amazonaws.com open address
Private IPv4 DNS ip-172-31-34-70.ap-south-1.compute.internal	Instance type t2.micro	Elastic IP addresses

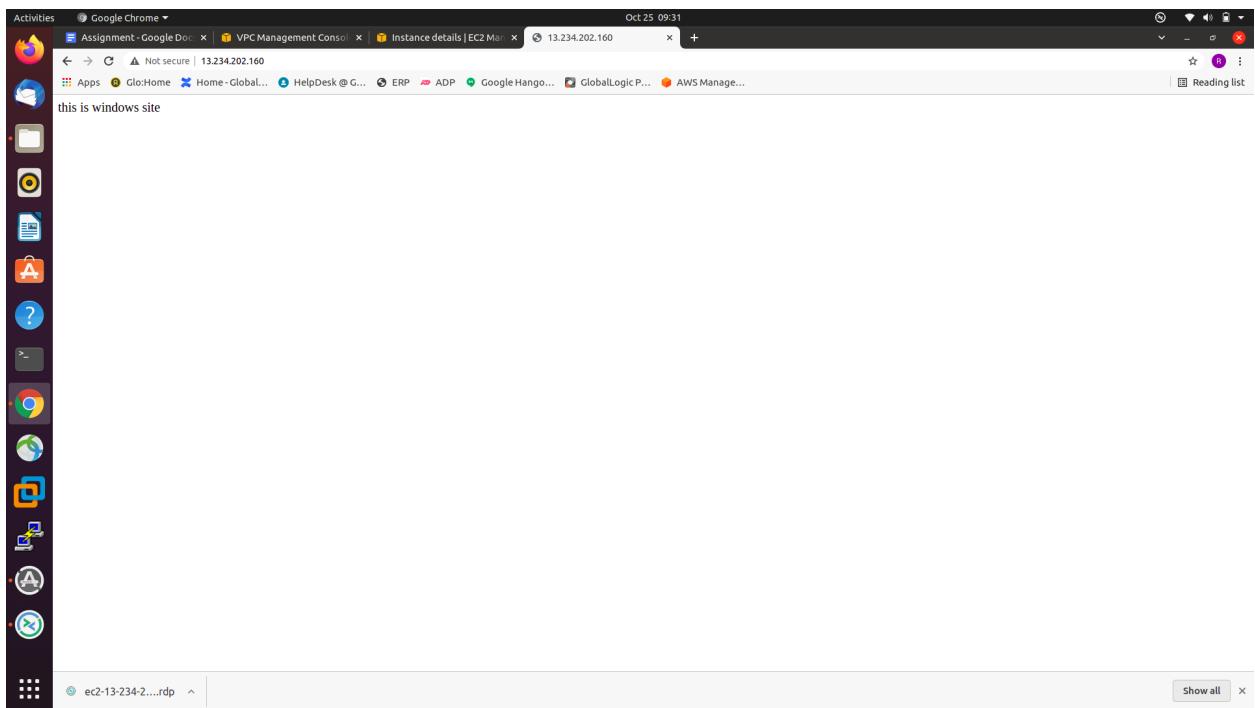
© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with various navigation links like EC2 Dashboard, EC2 Global View, Instances, Images, and Elastic Block Store. The main area shows a table of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, Public IPv4 ..., and Elastic IP. One instance named 'Linux' is selected, and a detailed view is shown in a modal window. The modal has tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The Details tab is active, showing the Instance ID (i-0836254d18df5ef33), Instance state (Running), Instance type (t2.micro), and Public IPv4 address (13.127.12.164). It also lists Private IPv4 addresses (172.31.34.70), Public IPv4 DNS (ec2-13-127-12-164.ap-south-1.compute.amazonaws.com), and Elastic IP addresses.



Q3:





Activities Google Chrome ▾

Assignment - Google Drive VPC Management Console Instance details | EC2 Main 13.234.202.160 Oct 25 09:31

Oct 25 09:31

13.234.202.160 x +

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Mumbai Support

AWS Services ▾

New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances Instances New

Instance Types

Launch Desks

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Capacity Reservations

Images AMIs

EC2 > Instances > i-0f4859c51744ae776

Instance summary for i-0f4859c51744ae776 Info

Updated less than a minute ago

Instance ID i-0f4859c51744ae776 Public IPv4 address copied 13.234.202.160 | open address Iress

IPv6 address -

Private IPv4 DNS ip-172-31-39-71.ap-south-1.compute.internal Instance state Running

VPC ID vpc-c8924ea3 Instance type t2.micro

Subnet ID subnet-5b768c30 AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Details Security Networking Storage Status checks Monitoring Tags

▶ Instance details Info
▶ Host and placement group Info
▶ Capacity reservation Info

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1# ec2-13-234-202-160.ap-south-1.compute.amazonaws.com Show all

© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

The screenshot shows the AWS EC2 Instance Details page for an instance with ID i-0f4859c51744ae776. The instance is running and has a public IPv4 address of 13.234.202.160. It is associated with a VPC (vpc-c8924ea3) and a subnet (subnet-5b768c30). The instance type is t2.micro. The status bar at the bottom indicates the URL as https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1# and the IP as ec2-13-234-202-160.ap-south-1.compute.amazonaws.com.

Activities Remmina ▾

ec2-13-234-202-160.ap-south-1.compute.amazonaws.com Oct 25 09:31

ec2-13-234-202-160.ap-south-1.compute.amazonaws.com

Oct 25 09:31

Server Manager ▾

Server Manager • Dashboard

WELCOME TO SERVER MANAGER

File Home Share View

This PC > Local Disk (C) > inetpub > wwwroot

QUICK START

WHAT'S NEW

LEARN MORE

ROLES AND SERVICES Roles: 2 | Server 9

File and Services

Manage Events Performance BPA results

Dashboard Local Server All Servers File and Storage Services IIS

File This PC Network

index

Name Date modified Type Size

10/25/2021 4:00 AM HTML Document 1 KB

Search wwwroot Hide

4:01 AM 10/25/2021

The screenshot shows the Windows Server Manager Dashboard. On the left, there's a navigation pane with links for Dashboard, Local Server, All Servers, File and Storage Services, and IIS. The main area displays a "WELCOME TO SERVER MANAGER" message and a "QUICK START" section with "WHAT'S NEW" and "LEARN MORE" buttons. Below this is a "ROLES AND SERVICES" section showing 2 roles installed. A "File and Services" link is highlighted. On the right, there's a file explorer window showing the contents of the C:\inetpub\wwwroot directory, which contains an "index" file. The taskbar at the bottom shows the date and time as 4:01 AM on 10/25/2021.

Q4:

The screenshot shows two consecutive screenshots of the AWS S3 Management Console.

Screenshot 1: Amazon S3 - Buckets

This screenshot shows the 'Amazon S3' service dashboard. On the left, a sidebar lists various options under 'Buckets': Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings for this account, Storage Lens (Dashboards, AWS Organizations settings), Feature spotlight, and AWS Marketplace for S3. The main area is titled 'Account snapshot' and displays 'Buckets (0) Info'. It includes a search bar, buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket', and a table header for 'Name', 'AWS Region', 'Access', and 'Creation date'. A message states 'No buckets' and 'You don't have any buckets.' with a 'Create bucket' button.

Screenshot 2: Create bucket - General configuration

This screenshot shows the 'Create bucket' wizard. The first step, 'General configuration', is displayed. It requires entering a 'Bucket name' (set to 'filestore'), selecting an 'AWS Region' (set to 'Asia Pacific (Mumbai) ap-south-1'), and choosing 'Copy settings from existing bucket - optional' (with a 'Choose bucket' button). Below this, the 'Block Public Access settings for this bucket' section is shown, which includes a note about public access being granted through ACLs, bucket policies, access point policies, or server-side encryption. It also includes a checked checkbox for 'Block all public access' and a note that this setting turns on four other settings. The bottom of the page includes standard footer links for Privacy Policy, Terms of Use, and Cookie preferences.

Oct 25 09:36

Activities Google Chrome Assignment - Google Drive S3 Management Console +

Oct 25 09:36

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Global Support Reading list

Amazon S3 Buckets

Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations Access analyzer for S3 Block Public Access settings for this account Storage Lens Dashboards AWS Organizations settings Feature spotlight AWS Marketplace for S3

Successfully created bucket "myfirstbucket15rr"
To upload files and folders, or to configure additional bucket settings choose View details.

View details

Amazon S3

▶ Account snapshot Storage lens provides visibility into storage usage and activity trends. Learn more

View Storage Lens dashboard

Buckets (1) Info Buckets are containers for data stored in S3. Learn more

Find buckets by name

Name	AWS Region	Access	Creation date
myfirstbucket15rr	Asia Pacific (Mumbai) ap-south-1	Objects can be public	October 25, 2021, 09:36:35 (UTC+05:30)

Copy ARN Empty Delete Create bucket

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Oct 25 09:37

Activities Google Chrome Assignment - Google Drive S3 Management Console +

Oct 25 09:37

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Global Support Reading list

Upload succeeded View details below.

Upload: status

The information below will no longer be available after you navigate away from this page.

Summary

Destination	Succeeded	Failed
s3://myfirstbucket15rr	1 file, 276.9 KB (100.00%)	0 files, 0 B (0%)

Files and folders Configuration

Files and folders (1 Total, 276.9 KB)

Find by name

Name	Folder	Type	Size	Status	Error
Screenshot from 2021-10-25 09:36:39.png	-	image/png	276.9 KB	Succeeded	-

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Activities Google Chrome Oct 25 09:50

Assignment - Google Docs myfirstbucket15rr - S3 bucket Best JSON Parser Online Bucket policy examples Edit fiddle - JSFiddle-Cor... +

Oct 25 09:50

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Global Support

SuccessFully edited bucket policy.

Block public and cross-account access to buckets and objects through **any** public bucket or access point policies

Off

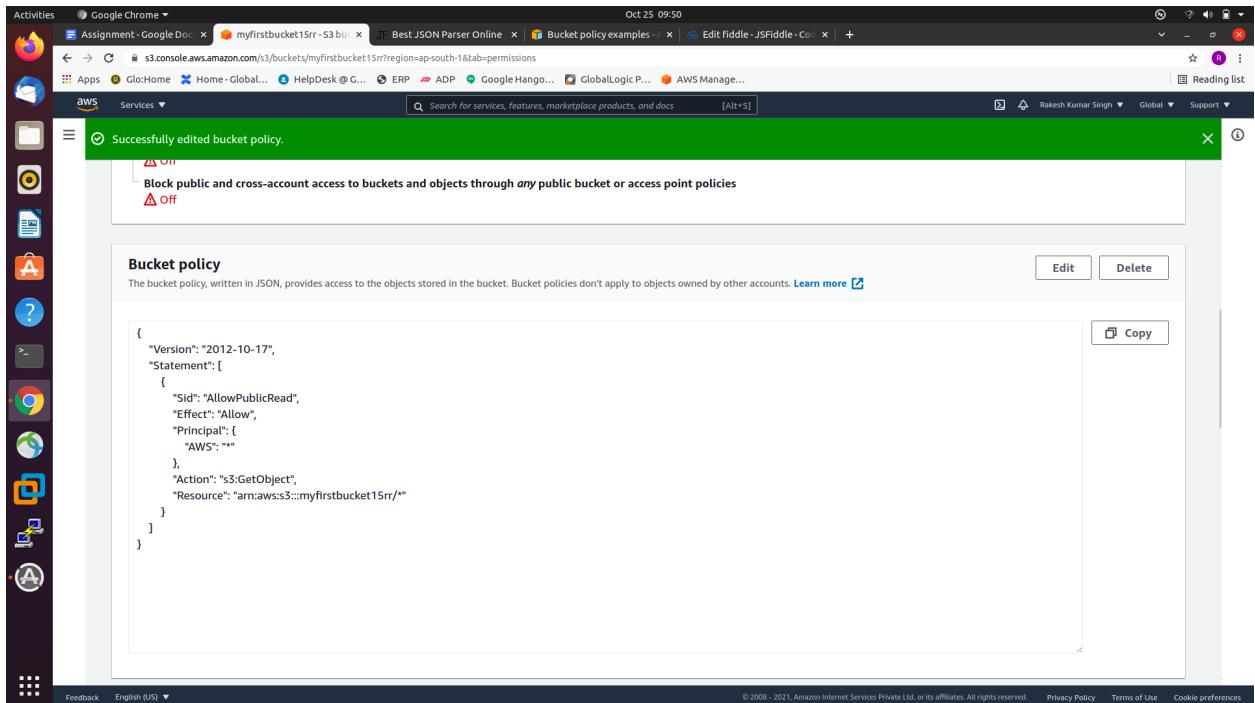
Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Edit Delete Copy

```
{"Version": "2012-10-17", "Statement": [ { "Sid": "AllowPublicRead", "Effect": "Allow", "Principal": "*", "AWS": "", "Action": "s3:GetObject", "Resource": "arn:aws:s3:::myfirstbucket15rr/*" } ]}
```

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences



Activities Google Chrome Oct 25 09:50

Assignment - Google Docs Screenshot+from+2021-10-25+09-36-39.png +

Oct 25 09:50

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Global Support

Amazon S3

Buckets

Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations Access analyzer for S3 Block Public Access settings for this account Storage Lens Dashboards AWS Organizations settings Feature spotlight AWS Marketplace for S3

Successfully created bucket "myfirstbucket15rr". To upload files and folders, or to configure additional bucket settings choose [View details](#).

View details

Amazon S3

Account snapshot Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

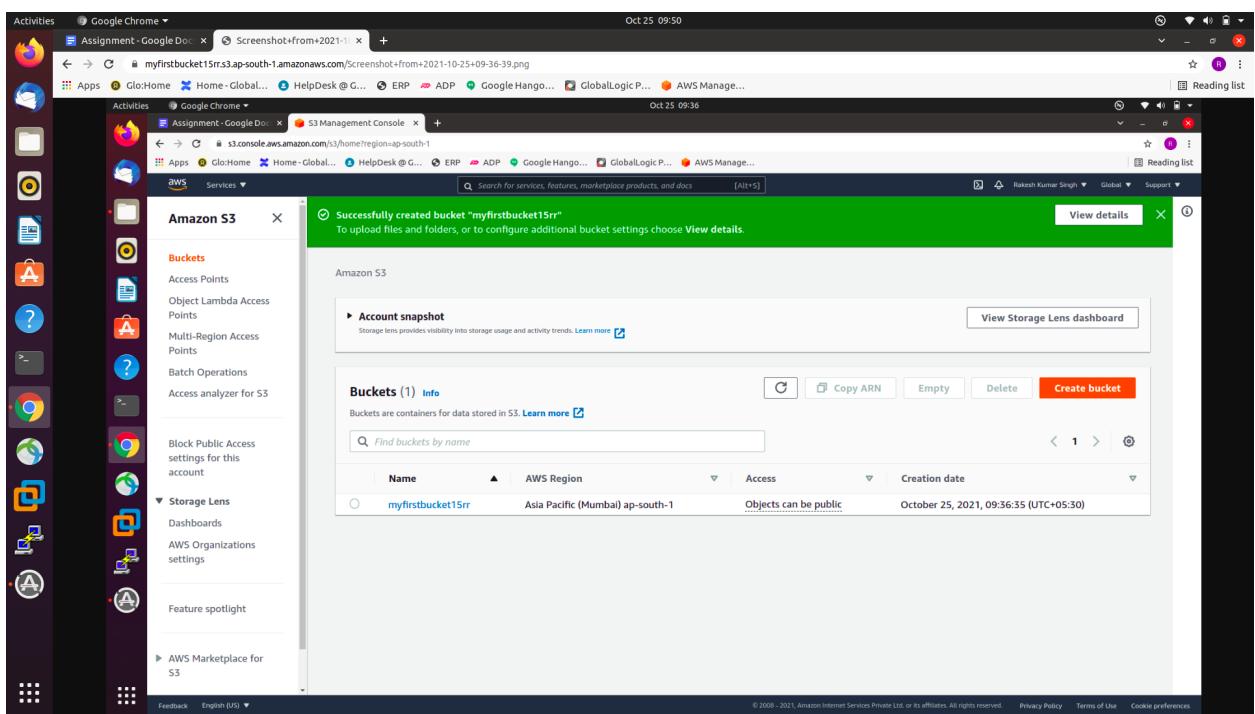
Buckets (1) Info Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
myfirstbucket15rr	Asia Pacific (Mumbai) ap-south-1	Objects can be public	October 25, 2021, 09:36:35 (UTC+05:30)

< 1 > ⌂

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences



Oct 25 09:51

Activities Google Chrome Assignment - Google Docs myfirstbucket15rr-S3 bu... +

my.console.aws.amazon.com/s3/object/myfirstbucket15rr?region=ap-south-1&prefix=Screenshot+from+2021-10-25+09-36-39.png

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Global Support

AWS Services Amazon S3 Properties Permissions Versions

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3
- Block Public Access settings for this account
- Storage Lens
- Dashboards
- AWS Organizations settings
- Feature spotlight
- AWS Marketplace for S3

Object overview

Owner S3 URI <s3://myfirstbucket15rr/Screenshot from 2021-10-25 09-36-39.png>

AWS Region Amazon Resource Name (ARN) [arn:aws:s3:::myfirstbucket15rr/Screenshot from 2021-10-25 09-36-39.png](#)

Last modified Entity tag (Etag) [38aa1352fef59aa773dfadce95e206c4](#)

October 25, 2021, 09:36:59 (UTC+05:30)

Size Object URL <https://myfirstbucket15rr.s3.ap-south-1.amazonaws.com/Screenshot+from+2021-10-25+09-36-39.png>

Type png

Key Screenshot from 2021-10-25 09-36-39.png

Object management overview

The following bucket properties and object management configurations impact the behavior of this object.

Bucket properties

Bucket Versioning Management configurations

Replication status

© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Oct 25 09:51

Activities Google Chrome Assignment - Google Docs S3 Management Console +

s3.console.aws.amazon.com/s3/home?region=ap-south-1

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list Rakesh Kumar Singh Global Support

AWS Services Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3
- Block Public Access settings for this account
- Storage Lens
- Dashboards
- AWS Organizations settings
- Feature spotlight
- AWS Marketplace for S3

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (1) Info

Buckets are containers for data stored in S3. [Learn more](#)

[View Storage Lens dashboard](#)

[Create bucket](#)

[Find buckets by name](#)

Name	AWS Region	Access	Creation date
myfirstbucket15rr	Asia Pacific (Mumbai) ap-south-1	Public	October 25, 2021, 09:36:35 (UTC+05:30)

© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Q6:

Screenshot of the AWS Lambda console showing the creation of a new Lambda function.

The Lambda function configuration page displays the following details:

- Function name:** Create Volume
- Runtime:** Python 3.8
- Memory:** 128 MB
- Timeout:** 300 seconds
- Execution role:** Lambda@Edge Default Role
- Code:** zip file uploaded from local machine
- Environment:** No environment variables defined
- Logs:** CloudWatch Logs
- Deployment:** CloudWatch Metrics
- Tracing:** CloudWatch Metrics
- Deployment package:** zip file uploaded from local machine
- Deployment triggers:** CloudWatch Metrics

At the bottom, the "Create Function" button is visible.

Screenshot of the AWS Lambda console showing the creation of a new Lambda function.

The Lambda function configuration page displays the following details:

- Function name:** Create Volume
- Runtime:** Python 3.8
- Memory:** 128 MB
- Timeout:** 300 seconds
- Execution role:** Lambda@Edge Default Role
- Code:** zip file uploaded from local machine
- Environment:** No environment variables defined
- Logs:** CloudWatch Logs
- Deployment:** CloudWatch Metrics
- Tracing:** CloudWatch Metrics
- Deployment package:** zip file uploaded from local machine
- Deployment triggers:** CloudWatch Metrics

A success message is displayed: "Volume created successfully".

At the bottom, the "Close" button is visible.

The screenshot shows the AWS EC2 Create Volume interface. On the left, there's a sidebar with various services like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-options like Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs), and Elastic Block Store. The main area has tabs for 'Create Volume' and 'Actions'. A search bar at the top says 'Search for services, features, marketplace products, and docs [Alt+S]'. Below it is a table with columns: Name, Volume ID, Size, Volume Type, IOPS, Throughput, Snapshot, Created, Availability Zone, State, Alarm Status, Attachment Information, Monitoring, and Volume. Two volumes are listed:

Name	Volume ID	Size	Volume Type	IOPS	Throughput	Snapshot	Created	Availability Zone	State	Alarm Status	Attachment Information	Monitoring
vol-0b852ea...	30 GiB	gp2	100	-	-	October 28, 2021 at 7:34:42 AM UTC+5:30	ap-south-1a	available	None		i-08cf97a490712c41f...	
vol-0d45067...	8 GiB	gp2	100	-	-	snap-08f9629...	October 28, 2021 at 7:34:42 AM UTC+5:30	ap-south-1a	in-use	None		i-08cf97a490712c41f...

Below this, a detailed view for the first volume is shown with tabs for Description, Status Checks, Monitoring, and Tags. The Description tab displays the following details:

Volume ID	Outposts ARN
vol-0b852eaabbfaade35	-
Alarm status	Size
None	30 GiB
Snapshot	Created
-	October 28, 2021 at 7:34:42 AM UTC+5:30
Availability Zone	State
ap-south-1a	available
Encryption	Attachment Information
Not Encrypted	Volume type: gp2
KMS Key ID	Product codes: -
KMS Key Aliases	IOPS: 100
KMS Key ARN	Multi-Attach Enabled: No
Throughput (Mbps)	-

The screenshot shows the AWS EBS console with the 'Attach Volume' dialog open over a list of existing volumes.

Left Sidebar:

- Activities
- Google Chrome
- Instances | EC2 Manager
- i-08cf97a490712c41f (rds)
- Assignment - Google Doc
- Amazon EBS volume type
- Instances | EC2 Manager
- GlobalLogic P...
- AWS Manage...
- aws Services
- New EC Experience
- Tell us what you think
- EC2 Dashboard
- EC2 Global View
- Events
- Tags
- Limits
- Instances
- Instances New
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances New
- Dedicated Hosts
- Capacity Reservations
- Images AMIs
- Elastic Block Store

Top Bar:

- Search bar: Search for services, features, marketplace products, and docs [Alt+S]
- User: Rakesh Kumar Singh
- Region: Mumbai
- Support

Table Headers:

Name	Volume ID	Size	Volume Type	IOPS	Throughput	Snapshot	Created	Availability Zone	State	Alarm Status	Attachment Information	Monitoring
------	-----------	------	-------------	------	------------	----------	---------	-------------------	-------	--------------	------------------------	------------

Table Data:

vol-0b852e...	vol-0b852eabbfa6ade35	30 GiB	gp2	100	-		October 28, 2021 at...	ap-south-1a	available	None	
vol-0d45067...		8 GiB	gp2	100	-	snap-08f39629...	October 28, 2021 at...	ap-south-1a	in-use	None	i-08cf97a490712c41f...

Attach Volume Dialog:

Volumes: vol-0b852eabbfa6ade35 in ap-south-1a

Description: vol-0b852eabbfa6ade35 in ap-south-1a

Instance: i-08cf97a490712c41f in ap-south-1a

Device: /dev/sdf

Linux Devices: /dev/sdfl through /dev/sdp

Note: Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvd internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.

Cancel Attach

Oct 28 07:37

Rakesh Kumar Singh Mumbai Support

Instances (1/1) Info

Filter instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
rds	i-08cf97a490712c41f	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-3-108-185-79.ap-s...	3.108.185.79	-

Block devices

Volume ID	Device n...	Volume si...	Attachmen...	Attachment time	Encry...	KMS key ID	Delete on termi...
vol-0d450671798...	/dev/xvda	8	Attached	Thu Oct 28 2021 06...	No	-	Yes
vol-0b852eabbfa...	/dev/sdf	30	Attached	Thu Oct 28 2021 07...	No	-	No

Recent root volume replacement tasks

Replace root volume

Oct 28 07:40

Connect to instance | EC2 Connect to instance | EC2 i-08cf97a490712c41f (rds) Volumes | EC2 Management Assignment - Google Docs Amazon EBS volume type

Oct 28 07:40

Oct 28 07:40

```
[root@ip-172-31-43-130 ec2-user]# lsblk
NAME   MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
xvda    202:0   0   8G  0 disk
└─xvda1 202:1   0   8G  0 part /
xvdf    202:80  0 30G  0 disk
[root@ip-172-31-43-130 ec2-user]# mkdir /mnt/data
[root@ip-172-31-43-130 ec2-user]# mkfs -t ext4 /dev/xvdf
mke2fs 1.42.9 (28-Dec-2013)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=8 blocks, Stripe width=8 blocks
196600 inodes, 7864320 blocks
393216 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=2155872256
240 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,
    4096000

Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done

[root@ip-172-31-43-130 ec2-user]# mount /dev/xvdf /mnt/data
[root@ip-172-31-43-130 ec2-user]# cd mnt/data
bash: cd: mnt/data: No such file or directory
[root@ip-172-31-43-130 ec2-user]# cd /mnt/data
[root@ip-172-31-43-130 data]# ls
lost+found
[root@ip-172-31-43-130 data]#
```

i-08cf97a490712c41f (rds)

Public IPs: 3.108.185.79 Private IPs: 172.31.43.130

Q7:

The screenshot shows two windows side-by-side. The left window is the AWS EFS console for the file system `sharedata (fs-0e42c5d414f8a9d78)`. It displays various configuration details such as Performance mode (General Purpose), Throughput mode (Bursting), Lifecycle management (Transition into IA: 30 days since last access, Transition out of IA: On first access), and Availability zone (Regional). The right window is a terminal session on an EC2 instance, showing the output of a dependency resolution command. The terminal output includes package installation details for `amazon-efs-utils` and `stunnel`, transaction summaries, and a progress bar for the download of 195 KB.

Elastic File System - sharedata (fs-0e42c5d414f8a9d78)

General

Performance mode	General Purpose	Automatic backups
Throughput mode	Bursting	Disabled
Lifecycle management	Transition into IA: 30 days since last access	Encrypted
Availability zone	Transition out of IA: On first access	No
File system state	Regional	Available

Metered size

Total size: 6.00 KB

Dependencies Resolved

Package	Arch	Version	Repository	Size
amazon-efs-utils	noarch	1.31.2-1.amzn2	amzn2-core	46 k
stunnel	x86_64	4.56-6.amzn2.0.3	amzn2-core	149 k

Transaction Summary

Install 1 Package (+1 Dependent package)

Total download size: 195 k
Installed size: 479 k
Downloading packages:
(1/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm | 46 kB 00:00:00
(2/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm | 149 kB 00:00:00
1.5 MB/s | 195 kB 00:00:00

1/2
2/2
1/2
2/2

Complete!
[root@ip-172-31-41-152 ~]#

i-054035283ecb55ddc (EFS-01)
Public IPs: 13.233.214.21 Private IPs: 172.31.41.152

Oct 28 08:00

```

Amazon EFS | Connect to instance | EC2 | i-054035283ecb55ddc (E... | Assignment - Google Doc... + | Oct 28 08:00
Oct 28 08:00
Total download size: 195 k
Installed size: 479 k
Downloading packages:
(1/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm
(2/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm
Total
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : stunnel-4.56-6.amzn2.0.3.x86_64
  Installing : amazon-efs-utils-1.31.2-1.amzn2.noarch
  Verifying : stunnel-4.56-6.amzn2.0.3.x86_64
  Verifying : amazon-efs-utils-1.31.2-1.amzn2.noarch
Installed:
  amazon-efs-utils.noarch 0:1.31.2-1.amzn2
Dependency Installed:
  stunnel.x86_64 0:4.56-6.amzn2.0.3
Complete!
[root@ip-172-31-41-152 ec2-user]# ls
[root@ip-172-31-41-152 ec2-user]# mkdir efsdir
[root@ip-172-31-41-152 ec2-user]# sudo mount -t efs -o tls fs-0e42c5d414f8a9d78:/ efsdir
[root@ip-172-31-41-152 ec2-user]# df -h
Filesystem      Size   Used  Avail Use% Mounted on
devtmpfs        482M    0B  482M   0% /dev
tmpfs          492M    0B  492M   0% /dev/shm
tmpfs          492M  460K  492M   1% /run
tmpfs          492M    0B  492M   0% /sys/fs/cgroup
/dev/xvda1     8.0G  1.5G  6.6G  19% /
tmpfs          99M    0B  99M   0% /run/user/1000
127.0.0.1/      8.0E    0B  8.0E   0% /home/ec2-user/efsdir
[root@ip-172-31-41-152 ec2-user]# cd efsdir/
[root@ip-172-31-41-152 efsdir]# touch a1 a2
[root@ip-172-31-41-152 efsdir]# ls
a1 a2
[root@ip-172-31-41-152 efsdir]# 
```

i-054035283ecb55ddc (EFS-01)

Public IPs: 13.233.214.21 Private IPs: 172.31.41.152

Oct 28 08:01

Instances (1/2) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 IP	Elastic IP
<input checked="" type="checkbox"/> EFS-01	i-054035283ecb55ddc	Running	t2.micro	2/2 checks passed	No alarms	+ ap-south-1a	ec2-13-233-214-21.ap-south-1.compute.amazonaws.com	13.233.214.21	-
<input type="checkbox"/>	i-05b108a0143adae25	Running	t2.micro	2/2 checks passed	No alarms	+ ap-south-1a	ec2-13-233-224-154.ap-south-1.compute.amazonaws.com	13.233.224.154	-

Instance: i-054035283ecb55ddc (EFS-01)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID i-054035283ecb55ddc (EFS-01)	Public IPv4 address 13.233.214.21 [open address]	Private IPv4 addresses 172.31.41.152
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-13-233-214-21.ap-south-1.compute.amazonaws.com [open address]
Private IPv4 DNS 13.233.214.21.ap-south-1.compute.internal	Instance type t2.micro	Elastic IP addresses

Feedback English (US) ▾

© 2006–2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#) [Cookie preferences](#)

Activities Google Chrome Oct 28 08:03

Amazon EFS | Connect to instance [EC] | i-05b108a0143adae25 (E) | i-054035283ecb55ddc (E) | Assignment-Google Doc +

stunnel x86_64 4.56-6.amzn2.0.3 amzn2-core 149 K

Transaction Summary

Install 1 Package (+1 Dependent package)

Total download size: 195 k
Installed size: 479 k
Downloading packages:
(1/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm
(2/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm

A Total
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : stunnel-4.56-6.amzn2.0.3.x86_64
Installing : amazon-efs-utils-1.31.2-1.amzn2.noarch
Verifying : stunnel-4.56-6.amzn2.0.3.x86_64
Verifying : amazon-efs-utils-1.31.2-1.amzn2.noarch

1.1 MB/s | 195 KB 00:00:00
| 149 kB 00:00:00
| 46 kB 00:00:00

Installed:
amazon-efs-utils.noarch 0:1.31.2-1.amzn2

Dependency Installed:
stunnel.x86_64 0:4.56-6.amzn2.0.3

Complete!
[root@ip-172-31-42-45 ec2-user]# ls
[root@ip-172-31-42-45 ec2-user]# mkdir efsdir
[root@ip-172-31-42-45 ec2-user]# ls
efsdir
[root@ip-172-31-42-45 ec2-user]# sudo mount -t efs -o tls fs-0e42c5d414f8a9d78:/ efsdir
[root@ip-172-31-42-45 efsdir]# ls
al a2
[root@ip-172-31-42-45 efsdir]#

i-05b108a0143adae25 (EFS-02)
Public IPs: 13.233.224.154 Private IPs: 172.31.42.45

Activities Google Chrome Oct 28 08:03

i-05b108a0143adae25 (E) + ap-south-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-05b108a0143adae25 ☆ ⓘ ;
i-054035283ecb55ddc (E) + ap-south-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-054035283ecb55ddc ☆ ⓘ ;

Apps Glo:Home Home-Global... HelpDesk @... ERP ADP GlobalLogic P... AWS Manage... Reading list

Transaction Summary

Install 1 Package (+1 Dependent package)

Total download size: 195 k
Installed size: 479 k
Downloading packages:
(1/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm
(2/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm

A Total
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : stunnel-4.56-6.amzn2.0.3.x86_64
Installing : amazon-efs-utils-1.31.2-1.amzn2.noarch
Verifying : stunnel-4.56-6.amzn2.0.3.x86_64
Verifying : amazon-efs-utils-1.31.2-1.amzn2.noarch

Installed:
amazon-efs-utils.noarch 0:1.31.2-1.amzn2

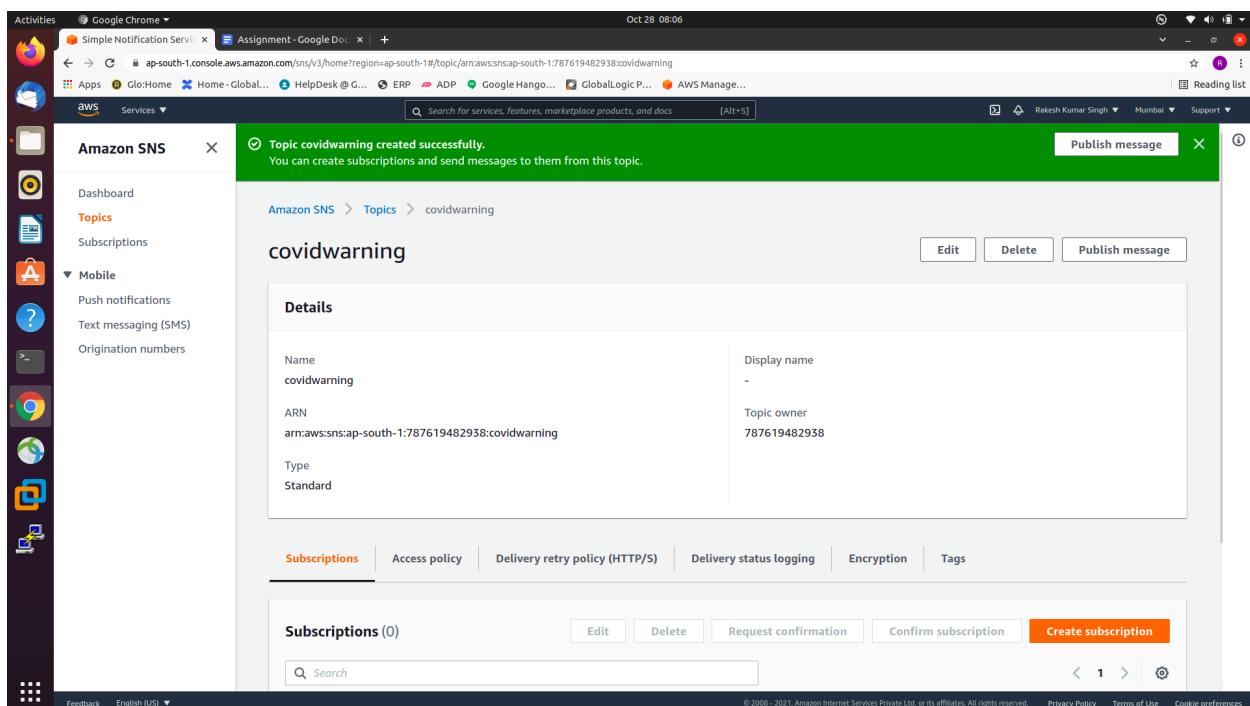
Dependency Installed:
stunnel.x86_64 0:4.56-6.amzn2.0.3

Complete!
[root@ip-172-31-41-152 ec2-user]# ls
[root@ip-172-31-41-152 ec2-user]# mkdir efsdir
[root@ip-172-31-41-152 ec2-user]# sudo mount -t efs -o tls fs-0e42c5d414f8a9d78:/ [root@ip-172-31-41-152 ec2-user]# df -h
Filesystem Size Used Avail Use% Mounted on
devtmpfs 482M 0 482M 0 /dev
tmpfs 492M 0 492M 0 /dev/shm
tmpfs 492M 460K 492M 1% /run
tmpfs 492M 0 492M 0 /sys/fs/cgroup
/dev/xvda1 8.0G 1.5G 6.6G 19% /
tmpfs 99M 0 99M 0 /run/user/1000
127.0.0.1:/ 8.0E 0 8.0E 0 %/home/ec2-user/efsdir
[root@ip-172-31-41-152 ec2-user]# cd efsdir/
[root@ip-172-31-41-152 efsdir]# touch al a2
[root@ip-172-31-41-152 efsdir]# ls
al a2
[root@ip-172-31-41-152 efsdir]#

i-05b108a0143adae25 (EFS-02)
Public IPs: 13.233.224.154 Private IPs: 172.31.42.45

i-054035283ecb55ddc (EFS-01)
Public IPs: 13.233.214.21 Private IPs: 172.31.41.152

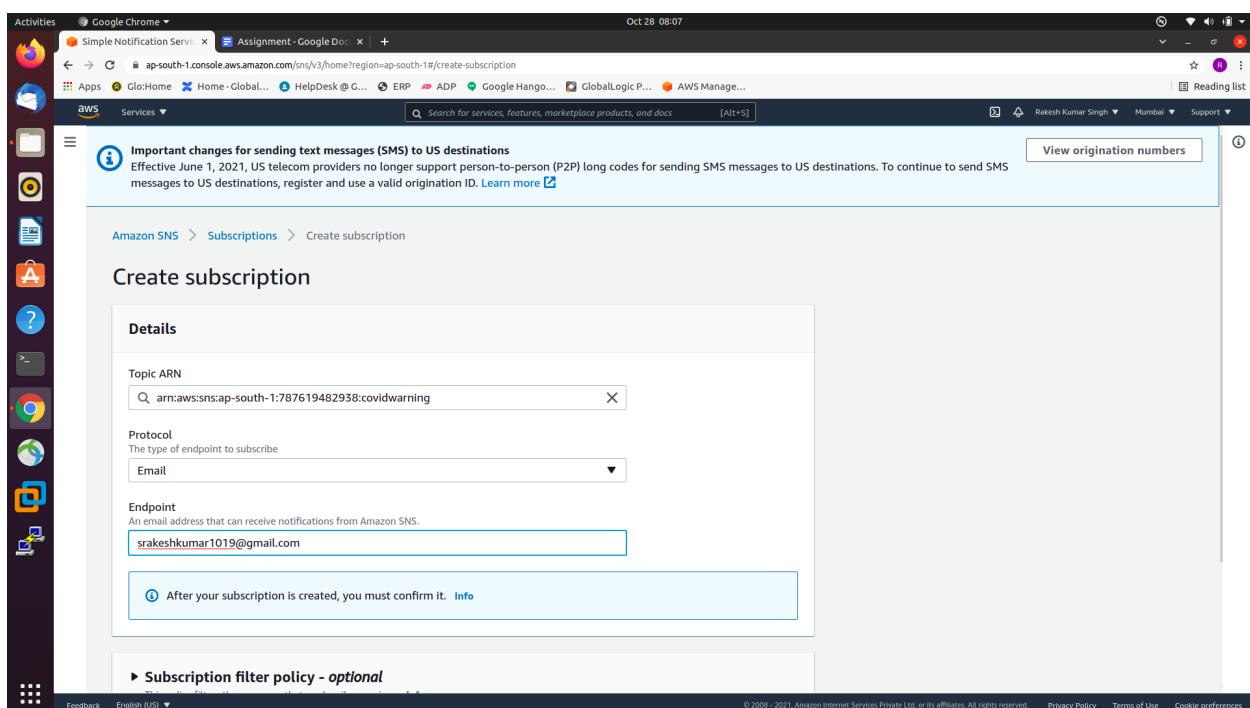
Q8:



The screenshot shows the AWS SNS console with a topic named "covidwarning" created successfully. The topic details are as follows:

- Name: covidwarning
- ARN: arn:aws:sns:ap-south-1:787619482938:covidwarning
- Type: Standard

The "Subscriptions" tab is selected, showing 0 subscriptions. A prominent orange "Create subscription" button is visible.



The screenshot shows the "Create subscription" dialog for the "covidwarning" topic. The "Details" section includes:

- Topic ARN: arn:aws:sns:ap-south-1:787619482938:covidwarning
- Protocol: Email
- Endpoint: srakeshkumar1019@gmail.com

A note at the bottom states: "After your subscription is created, you must confirm it." Below this is a section titled "Subscription filter policy - optional".

The screenshot shows the AWS SNS console for the 'covidwarning' topic. The left sidebar includes links for Dashboard, Topics (selected), Subscriptions, Mobile (Push notifications, Text messaging (SMS), Origination numbers), and a Help icon. The main area displays the topic's name, ARN, and type. Below this, tabs for Subscriptions, Access policy, Delivery retry policy (HTTP/S), Delivery status logging, Encryption, and Tags are present. The Subscriptions tab is active, showing one confirmed subscription to an email endpoint.

ID	Endpoint	Status	Protocol
7e78a3ae-630a-4064-b65f-0dee67e1aea6	srareshkumar1019@gmail.com	Confirmed	EMAIL

Activities Google Chrome ▾ Simple Notification Service Assignment - Google Docs #IndiaFightsCorona COV + Oct 28 08:11

ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#publishTopic/amawsnsap-south-1:787619482938:covidwarning

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hangout GlobalLogic P... AWS Manage...

Services Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Mumbai Support Reading list

Message structure

Identical payload for all delivery protocols.
The same payload is sent to endpoints subscribed to the topic, regardless of their delivery protocol.

Custom payload for each delivery protocol.
Different payloads are sent to endpoints subscribed to the topic, based on their delivery protocol.

Message body to send to the endpoint

1 Saty safe
2 VACCINATION DOSE STATUS
3 VACCINATION TODAY
4 55,89,124
5 VACCINATION DOSES DAY BEFORE
6 1,83,53,25,577
7 TOTAL VACCINATION DOSES
8 SARS-COV-2
9 TESTING STATUS UP TO OCT 26, 2021
10 13,05,962
11 SAMPLES TESTED ON OCT 26, 2021
12 68,32,07,505
13 TOTAL SAMPLES TESTED
14 Statewise
15 CASES ACROSS INDIA
16 1.62.661

Message attributes

Message attributes let you provide structured metadata items (such as timestamps, geospatial data, signatures, and identifiers) for the message. [Info](#)

Type	Name	Value
------	------	-------

Oct 28 08:12

Activities Google Chrome Simple Notification Service Assignment - Google Docs warning Saty-srakeshku... + mail.google.com/mail/u/1/?logbl#inbox/FMfczGKzDqfJFdNPXRnskLzQdkZdH

Compose

Inbox 17,874

Starred Snoozed Sent Drafts [imap]/Drafts More

Meet New meeting Join a meeting

Hangouts Rakesh Kumar +

No recent chats Start a new one

AWS Notifications <no-reply@sns.amazonaws.com> to me 8:11 AM (0 minutes ago)

Saty safe
VACCINATION DOSE STATUS
VACCINATION TODAY
55,89,124
VACCINATION DOSES DAY BEFORE
1,03,53,25,577
TOTAL VACCINATION DOSES
SARS-COV-2
TESTING STATUS UP TO OCT 26, 2021
13,05,962
SAMPLES TESTED ON OCT 26, 2021
60,32,07,505
TOTAL SAMPLES TESTED
Statewise
CASES ACROSS INDIA
1,62,661
1,155
ACTIVE CASES (0.48%)
TOTAL CASES
3,42,15,653
13,451
DISCHARGED
(98.19%)
3,35,97,339
14,021
DEATHS
(1,22,061)

Waiting for clients6.google.com...

Oct 28 08:12

Activities Google Chrome Simple Notification Service Assignment - Google Docs warning Saty-srakeshku... + ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#/topic/amawsnsap-south-1:787619482938:covidwarning

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Rakesh Kumar Singh Mumbai Support

Amazon SNS covidwarning

Dashboard Topics Subscriptions Mobile Push notifications Text messaging (SMS) Origination numbers

Details

Name covidwarning Display name -

ARN arn:aws:sns:ap-south-1:787619482938:covidwarning Topic owner 787619482938

Type Standard

Subscriptions Access policy Delivery retry policy (HTTP/S) Delivery status logging Encryption Tags

Subscriptions (1)

Search

ID Endpoint Status Protocol

7e78a3ae-630a-4064-b65f-0dee67e1aea srareshkumar1019@gmail.com Confirmed EMAIL

Feedback English (US) © 2008-2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Q9:

The screenshot shows the 'Create hosted zone' wizard in the AWS Route 53 console. The 'Hosted zone configuration' section is displayed, containing fields for 'Domain name' (logic.com), 'Description - optional' (The hosted zone is used for...), and 'Type' (Private hosted zone). A note at the bottom states: 'To use this hosted zone to resolve DNS queries for one or more VPCs, choose the VPCs. To associate a VPC with a hosted zone when the VPC was created using a different AWS account, you must use a programmatic method, such as the AWS CLI.'

The screenshot shows the 'logic.com' hosted zone details page. It displays 'Records (2)' and their details:

Record name	Type	Routing	Alias	Value/Route traffic to
logic.com	NS	Simple	-	ns-1536.awsdns-00.co.uk. ns-0.awsdns-00.com. ns-1024.awsdns-00.org. ns-512.awsdns-00.net.
logic.com	SOA	Simple	-	ns-1536.awsdns-00.co.uk. awsdns-hostmaster.amazon.com. 1 7200 9

Activities Google Chrome ▾ Oct 28 08:26

Route 53 Console Hosted... Launch instance wizard... Assignment - Google Doc... +

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Mumbai Support ▾ Reading list

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 3: Configure Instance Details

IAM role None Create new IAM role

Shutdown behavior Stop

Stop - Hibernate behavior Enable hibernation as an additional stop behavior

Enable termination protection Protect against accidental termination

Monitoring Enable CloudWatch detailed monitoring Additional charges apply

Tenancy Shared - Run a shared hardware instance Additional charges will apply for dedicated tenancy.

Credit specification Unlimited Additional charges may apply

File systems Add file system Create new file system

Advanced Details

Enclave Enable

Metadata accessible Enabled

Metadata version V1 and V2 (token optional)

Metadata token response hop limit 1

User data As text As file Input is already base64 encoded

```
#!/bin/bash
yum install httpd -y
service httpd start
systemctl enable httpd
echo "WebpageServer1" >> /var/www/html/index.html
systemctl restart httpd
```

Cancel Previous Review and Launch Next: Add Storage

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

This screenshot shows the 'Configure Instance Details' step of the AWS EC2 instance creation wizard. It includes sections for IAM role, shutdown behavior, termination protection, monitoring, tenancy, credit specification, and file systems. A 'User data' section contains a shell script to set up a web server. Buttons at the bottom allow navigation between steps and proceed to the next step.

Activities Google Chrome ▾ Oct 28 08:31

Route 53 Console Hosted... Instances | EC2 Manager... Assignment - Google Doc... +

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Global Support ▾ Reading list

Record for logic.com was successfully created.

logic.com Info

Hosted zone details Edit hosted zone

Records (3) Hosted zone tags (0)

Records (1/3) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Delete record Import zone file Create record

Filter records by property or value Type Routing ... Alias ...

Record name	Type	Routing	Alias	Value/Route traffic to
logic.com	NS	Simple	-	ns-1536.awsdns-00.co.uk. ns-0.awsdns-00.com. ns-1024.awsdns-00.org. ns-512.awsdns-00.net.
logic.com	SOA	Simple	-	ns-1536.awsdns-00.co.uk. awsdns-hostmaster.amazon.com. 1 7200 90
www.logic.com	A	Simple	-	13.127.171.46

Record details

Record name www.logic.com

Record type A

Value 13.127.171.46

Alias No

TTL (seconds) 300

Routing policy Simple

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

This screenshot shows the AWS Route 53 'Hosted zone details' page for the 'logic.com' zone. It lists three records: two NS records for the root domain and one A record for 'www.logic.com' pointing to IP 13.127.171.46. The 'www' record is selected. On the right, a 'Record details' panel shows the specific configuration for the selected A record, including its type (A), routing policy (Simple), and TTL (300 seconds).

Activities Google Chrome ▾ Oct 28 08:35

Route 53 Console Hosted Connect to instance [EC] i-002fcccc5d47aeb26 (DNS) Assignment - Google Doc +

ap-south-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-002fcccc5d47aeb26

Apps GloHome Home-Global... HelpDesk@G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list

```
[root@ip-172-31-44-140 ec2-user]# systemctl status httpd
● httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
  Active: active (running) since Thu 2021-10-28 02:59:29 UTC; 2min 34s ago
    Docs: man:httpd.service(8)
Main PID: 3371 (httpd)
Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
CGroup: /system.slice/httpd.service
        └─3371 /usr/sbin/httpd -DFOREGROUND
            ├─3372 /usr/sbin/httpd -DFOREGROUND
            ├─3373 /usr/sbin/httpd -DFOREGROUND
            ├─3374 /usr/sbin/httpd -DFOREGROUND
            ├─3375 /usr/sbin/httpd -DFOREGROUND
            └─3376 /usr/sbin/httpd -DFOREGROUND

Oct 28 02:59:29 ip-172-31-44-140 ap-south-1.compute.internal systemd[1]: Stopped The Apache HTTP Server.
Oct 28 02:59:29 ip-172-31-44-140 ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Oct 28 02:59:29 ip-172-31-44-140 ap-south-1.compute.internal systemd[1]: Started The Apache HTTP Server.
[root@ip-172-31-44-140 ec2-user]# ip a add show
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
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9000 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 02:8a:7a:88:3f:f8 brd ff:ff:ff:ff:ff:ff
    inet 172.31.44.140/20 brd 172.31.47.255 scope global dynamic eth0
        valid_lft 3396sec preferred_lft 3396sec
        inet6 fe80::8a:7aff:fe88:3ff8/64 scope link
            valid_lft forever preferred_lft forever
[root@ip-172-31-44-140 ec2-user]# curl http://www.logic.com
Webpageserver1
[root@ip-172-31-44-140 ec2-user]# curl https://www.logic.com
curl: (7) Failed to connect to www.logic.com port 443: Connection refused
[root@ip-172-31-44-140 ec2-user]# curl http://www.logic.com
Webpageserver1
[root@ip-172-31-44-140 ec2-user]# cat /var/www/html/index.html
Webpageserver1
[root@ip-172-31-44-140 ec2-user]#
```

i-002fcccc5d47aeb26 (DNS-ROUTE)

Public IPs: 13.127.171.46 Private IPs: 172.31.44.140

Activities Google Chrome ▾ Oct 28 08:35

Route 53 Console Hosted Connect to instance [EC] i-002fcccc5d47aeb26 (DNS) Assignment - Google Doc +

ap-south-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-002fcccc5d47aeb26

Apps GloHome Home-Global... HelpDesk@G... ERP ADP Google Hang... GlobalLogic P... AWS Manage... Reading list

```
Amazon Linux 2 AMI
```

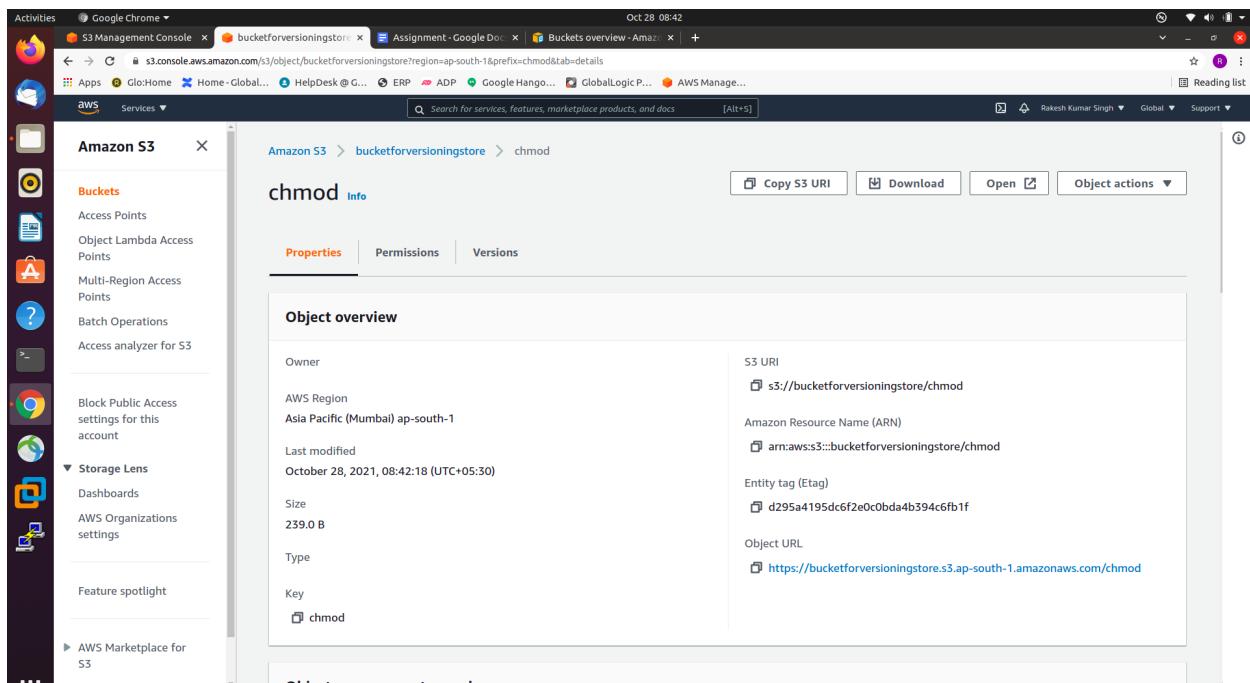
https://aws.amazon.com/amazon-linux-2/
3 package(s) needed for security, out of 15 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-44-140 ec2-user]# sudo su
[root@ip-172-31-44-140 ec2-user]# systemctl status httpd
● httpd.service - The Apache HTTP Server
 Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
 Active: active (running) since Thu 2021-10-28 02:59:29 UTC; 2min 34s ago
 Docs: man:httpd.service(8)
Main PID: 3371 (httpd)
Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
CGroup: /system.slice/httpd.service
 └─3371 /usr/sbin/httpd -DFOREGROUND
 ├─3372 /usr/sbin/httpd -DFOREGROUND
 ├─3373 /usr/sbin/httpd -DFOREGROUND
 ├─3374 /usr/sbin/httpd -DFOREGROUND
 ├─3375 /usr/sbin/httpd -DFOREGROUND
 └─3376 /usr/sbin/httpd -DFOREGROUND

Oct 28 02:59:29 ip-172-31-44-140 ap-south-1.compute.internal systemd[1]: Stopped The Apache HTTP Server.
Oct 28 02:59:29 ip-172-31-44-140 ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Oct 28 02:59:29 ip-172-31-44-140 ap-south-1.compute.internal systemd[1]: Started The Apache HTTP Server.
[root@ip-172-31-44-140 ec2-user]# ip a add show
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
 valid_lft forever preferred_lft forever
 inet6 ::1/128 scope host
 valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9000 qdisc pfifo_fast state UP group default qlen 1000
 link/ether 02:8a:7a:88:3f:f8 brd ff:ff:ff:ff:ff:ff
 inet 172.31.44.140/20 brd 172.31.47.255 scope global dynamic eth0
 valid_lft 3396sec preferred_lft 3396sec
 inet6 fe80::8a:7aff:fe88:3ff8/64 scope link
 valid_lft forever preferred_lft forever
[root@ip-172-31-44-140 ec2-user]#

i-002fcccc5d47aeb26 (DNS-ROUTE)

Public IPs: 13.127.171.46 Private IPs: 172.31.44.140

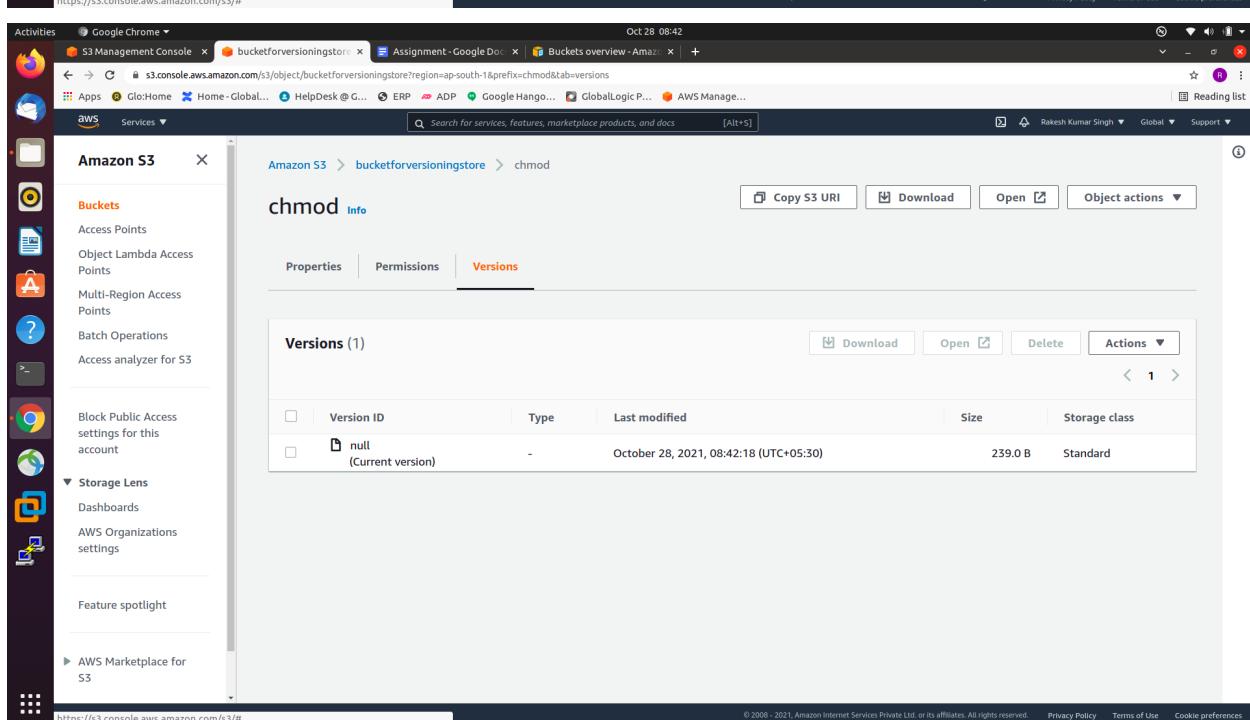
Q10:



The screenshot shows the AWS S3 console interface. On the left, there is a navigation sidebar with various AWS services like Storage Lens, Dashboards, and AWS Organizations settings. The main content area is titled 'chmod' under the 'Properties' tab. It displays the following details:

Object overview	
Owner	S3 URI s3://bucketforversioningstore/chmod
AWS Region	Amazon Resource Name (ARN) arn:aws:s3:::bucketforversioningstore/chmod
Last modified	Entity tag (Etag) d295a4195dc6f2e0c0bda4b394c6fb1f
Size	Object URL https://bucketforversioningstore.s3.ap-south-1.amazonaws.com/chmod
Type	Key chmod

Below this, there is a section titled 'Object management overview'.



The second screenshot shows the same AWS S3 console interface, but the 'Versions' tab is selected. It displays one version of the file 'chmod':

Versions (1)				
Version ID null (Current version)	Type -	Last modified October 28, 2021, 08:42:18 (UTC+05:30)	Size 239.0 B	Storage class Standard

Oct 28 08:43

Activities Google Chrome S3 Management Console bucketforversioningstore Assignment - Google Docs Buckets overview - Amazon S3 +

bucketforversioningstore Oct 28 08:43

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Global Support Reading list

Amazon S3 Buckets

Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations Access analyzer for S3 Block Public Access settings for this account Storage Lens Dashboards AWS Organizations settings Feature spotlight AWS Marketplace for S3

bucketforversioningstore Info Objects (1)

Objects (1) Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more

Actions Copy S3 URI Copy URL Download Open Delete Create folder Upload

Find objects by prefix Show versions

Name	Type	Last modified	Size	Storage class
chmod	-	October 28, 2021, 08:42:18 (UTC+05:30)	239.0 B	Standard

https://s3.console.aws.amazon.com/s3/object/bucketforversioningstore?region=ap-south-1&prefix=chmod&tab=versions

© 2008-2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Oct 28 08:43

Activities Google Chrome S3 Management Console bucketforversioningstore Assignment - Google Docs Buckets overview - Amazon S3 +

bucketforversioningstore Oct 28 08:43

Search for services, features, marketplace products, and docs [Alt+S]

Rakesh Kumar Singh Global Support Reading list

Amazon S3 Buckets

Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations Access analyzer for S3 Block Public Access settings for this account Storage Lens Dashboards AWS Organizations settings Feature spotlight AWS Marketplace for S3

chmod Info

Properties Permissions Versions

Versions (2)

Download Open Delete Actions

Version ID	Type	Last modified	Size	Storage class
NiklYaCoxsAc_A_tGFFsL0j5kpFRZOoy (Current version)	-	October 28, 2021, 08:43:37 (UTC+05:30)	239.0 B	Standard
null	-	October 28, 2021, 08:42:18 (UTC+05:30)	239.0 B	Standard

Feedback English (US) © 2008-2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Q11:

The screenshot shows the AWS IAM Management Console interface. On the left, there's a sidebar with various AWS services like CloudWatch Metrics, Lambda, and CloudWatch Logs. The main area is titled 'Summary' for a user named 'demo'. It displays the User ARN (arn:aws:iam::787619482938:user/demo), Path (/), and Creation time (2021-10-20 10:25 UTC+0530). Below this, the 'Permissions' tab is selected, showing five policies applied to the user: AmazonEC2FullAccess, AmazonS3FullAccess, AdministratorAccess, AmazonDynamoDBFullAccess, and AWSLambda_FullAccess. There are buttons for 'Add inline policy' and 'Add permissions'. At the bottom, there's a section for generating policy based on CloudTrail events.

This screenshot shows the same AWS IAM Management Console interface, but the 'Groups' tab is now selected under the 'Permissions' section. It shows that the user 'demo' is assigned to the 'Developer' group, which has attached permissions for AmazonDynamoDBFullAccess and AWSLambda_FullAccess. There are buttons for 'Add user to groups' and 'Remove boundary'.

Oct 28 09:42

IAM Management Console | IAM Management Console | IAM Management Console | Assignment - Google Docs | amazon web services Full | +

Activities Google Chrome

console.aws.amazon.com/iamv2/home#/groups/details/Developer

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Rakesh Kumar Singh Global Support

Reading list

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management User groups

- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analyzers
- Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

Feedback English (US)

IAM > User groups > Developer

Developer

Delete Edit

Summary

User group name	Creation time	ARN
Developer	October 28, 2021, 09:36 (UTC+05:30)	arn:aws:iam::787619482938:group/Developer

Users Permissions Access Advisor

Users in this group (1) Info

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

User name	Groups	Last activity	Creation time
demo	1	None	7 days ago

Search

Add users Remove users

1 2 3

© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Oct 28 09:42

IAM Management Console | IAM Management Console | IAM Management Console | Assignment - Google Docs | amazon web services Full | +

Activities Google Chrome

console.aws.amazon.com/iamv2/home#/groups/details/Developer?section=permissions

Apps GloHome Home - Global... HelpDesk @ G... ERP ADP Google Hang... GlobalLogic P... AWS Manage...

Rakesh Kumar Singh Global Support

Reading list

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management User groups

- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analyzers
- Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

Feedback English (US)

IAM > User groups > Developer

Developer

Delete Edit

Summary

User group name	Creation time	ARN
Developer	October 28, 2021, 09:36 (UTC+05:30)	arn:aws:iam::787619482938:group/Developer

Users Permissions Access Advisor

Permissions policies (2) Info

You can attach up to 10 managed policies.

Policy name	Type	Description
AmazonDynamoDBFullAcc...	AWS manag...	Provides full access to Amazon DynamoDB via the AWS Management Console.
AWSLambda_FullAccess	AWS manag...	Grants full access to AWS Lambda service, AWS Lambda console features, and other related AWS ...

Filter policies by property or policy name and press enter

Simulate Remove Add permissions

1 2 3

© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Q5:

The screenshot shows the AWS CloudWatch Metrics interface. A metric named 'CPUUtilization' is selected for the dimension 'InstanceId' with the value 'i-08cf97a490712c41f'. The chart displays CPU utilization over time, with a red shaded area indicating an alarm state. The X-axis represents time from Oct 28 07:37 to Oct 28 08:37. The Y-axis represents CPU utilization percentage. The chart shows a sharp increase in CPU utilization starting around 08:00 UTC.

```
[ec2-user@ip-172-31-95-100 ~]
[ec2-user@ip-172-31-95-100 ~]$ mysql -h globalogicdb.cg9eozmwiuob.us-east-1.rds.amazonaws.com -u admin -p dbgglobal
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 45
Server version: 8.0.23 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or 'h' for help. Type 'c' to clear the current input statement.

MySQL [dbgglobal]> show databases;
+-----+
| Database |
+-----+
| dbglobal |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)

MySQL [dbgglobal]> use dbglobal;
Database changed
MySQL [dbgglobal]> show tables;
Empty set (0.00 sec)

MySQL [dbgglobal]> create table emp(
-> name varchar(39),
-> id varchar(19)
-> );
Query OK, 0 rows affected (0.03 sec)

MySQL [dbgglobal]> show tables;
+-----+
| Tables_in_dbglobal |
+-----+
| emp |
+-----+
1 row in set (0.00 sec)

MySQL [dbgglobal]> select * from emp;
Empty set (0.00 sec)
```

Q12:

The screenshot shows the AWS IAM 'Create role' wizard at step 3. The top navigation bar includes the AWS logo, 'Services ▾', a search bar ('Search for services, features, marketplace products, and docs [Alt+S]'), and links for 'Xexamster ▾', 'Global ▾', and 'Support ▾'. The main title is 'Create role' with a progress bar showing steps 1 through 4.

Select type of trusted entity

Four options are listed:

- AWS service** (selected): EC2, Lambda and others
- Another AWS account**: Belonging to you or 3rd party
- Web identity**: Cognito or any OpenID provider
- SAML 2.0 federation**: Your corporate directory

Below the options is a note: "Allows AWS services to perform actions on your behalf. [Learn more](#)".

Choose a use case

Common use cases

EC2: Allows EC2 instances to call AWS services on your behalf.

Lambda: Allows Lambda functions to call AWS services on your behalf.

Or select a service to view its use cases

Create role (with progress bar)

Select type of trusted entity

Four options are listed:

- AWS service** (selected): EC2, Lambda and others
- Another AWS account**: Belonging to you or 3rd party
- Web identity**: Cognito or any OpenID provider
- SAML 2.0 federation**: Your corporate directory

Below the options is a note: "Allows AWS services to perform actions on your behalf. [Learn more](#)".

Choose a use case

Common use cases

EC2: Allows EC2 instances to call AWS services on your behalf.

Lambda: Allows Lambda functions to call AWS services on your behalf.

Or select a service to view its use cases

API Gateway	CloudWatch Events	EMR	IoT SiteWise	RAM
AWS Backup	CodeBuild	EMR Containers	IoT Things Graph	RDS
AWS Chatbot	CodeDeploy	ElastiCache	KMS	Redshift
AWS Marketplace	CodeGuru	Elastic Beanstalk	Kinesis	Rekognition
AWS Support	CodeStar Notifications	Elastic Container Registry	Lake Formation	RoboMaker
Amazon OpenSearch Service	Comprehend	Elastic Container Service	Lambda	S3
Amplify	Config	Elastic Transcoder	Lex	SMS
AppStream 2.0	Connect	Elastic Load Balancing	License Manager	SNS
	DMS	EventBridge	MQ	SWF

```
Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
3 package(s) needed for security, out of 15 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-17-201 ~]$ sudo su
[ec2-user@ip-172-31-17-201 ec2-user]# aws s3 ls
Note: AWS CLI version 2, the latest major version of the AWS CLI, is now stable and recommended for general use. For
ation instructions at: https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html

usage: aws [options] <command> <subcommand> [<subcommand> ...] [parameters]
To see help text, you can run:

    aws help
    aws <command> help
    aws <command> <subcommand> help
aws: error: argument subcommand: Invalid choice, valid choices are:

ls
| website
cp
| mv
rm
| sync
mb
| rb
presign

[ec2-user@ip-172-31-17-201 ec2-user]# aws s3 ls
2021-10-28 06:27:28 assignments
[ec2-user@ip-172-31-17-201 ec2-user]#
```

Q13:

The screenshot shows the AWS EC2 Instances page. There are two instances listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
Public	i-032944b6066608cbe	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-15-206-94-204.ap...	15.206.94.204	-
public2	i-049c58d6debb6c47b	Running	t2.micro	-	No alarms	ap-south-1b	ec2-65-0-178-99.ap-so...	65.0.178.99	-

The instance **public2** is selected. Its detailed view is displayed in a modal window:

Instance: i-049c58d6debb6c47b (public2)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-049c58d6debb6c47b (public2)	65.0.178.99 [open address]	172.31.1.156
IPv6 address	Running	Public IPv4 DNS
-		ec2-65-0-178-99.ap-south-1.compute.amazonaws.com [open address]
Private IPv4 DNS	Instance type	Elastic IP addresses
ip-172-51-1-136.ap-south-1.compute.internal	t2.micro	-
VPC ID	AWS Compute Optimized Edition	IAM Roles

Monitoring tab (selected):

Manage detailed monitoring | Add to dashboard

Time range: 1h, 3h, 12h, 1d, 5d, 1w, Custom, 10:45, 10:00, 10:15, 10:30

Metrics displayed:

- CPU utilization (%)
- Status check failed (any) (count)
- Status check failed (instance) (count)
- Status check failed (system) (count)
- Network in (bytes)
- Network out (bytes)
- Network packets in (count)
- Network packets out (count)
- Disk reads (bytes)
- Disk reads/s (operations/s)
- Disk writes (bytes)
- Disk writes/s (operations/s)

The screenshot shows the AWS EC2 Instances page. There are two instances listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
public	i-032944b6066608cbe	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-15-206-94-204.ap...	15.206.94.204	-
public2	i-049c58d6debb6c47b	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-65-0-178-99.ap-so...	65.0.178.99	-

The instance **public** is selected. Its detailed view is displayed in a modal window:

Instance: i-032944b6066608cbe (public)

Details | Security | Networking | Storage | Status checks | **Monitoring** | Tags

Manage detailed monitoring | Add to dashboard

Time range: 1h, 3h, 12h, 1d, 5d, 1w, Custom, 10:45, 10:00, 10:15, 10:30

Metrics displayed:

- CPU utilization (%)
- Status check failed (any) (count)
- Status check failed (instance) (count)
- Status check failed (system) (count)
- Network in (bytes)
- Network out (bytes)
- Network packets in (count)
- Network packets out (count)
- Disk reads (bytes)
- Disk reads/s (operations/s)
- Disk writes (bytes)
- Disk writes/s (operations/s)

Q14:

Screenshot of the AWS Management Console showing the Load Balancer configuration for a Target Group.

The screenshot displays the AWS Services sidebar with the following navigation path: EC2 > Target groups > LoadBalancer. The main content area shows the details of a target group named "LoadBalancer" with ARN: arn:aws:elasticloadbalancing:ap-south-1:915405537648:targetgroup/LoadBalancer/336504ec1e7e6a66.

Details section:

Target type	Protocol : Port	VPC	Load balancer
Instance	TCP: 80	vpc-0f499d25c602ed382	LoadDB

Total targets: 2

Health	Unhealthy	Unused	Initial	Draining
2	0	0	0	0

Registered targets (2)

Instance ID	Name	Port	Zone	Health status
i-0e81f8be872f314b6	LB-1b	80	ap-south-1b	healthy
i-0a45b6b19a3bcx7b7	LB-1a	80	ap-south-1a	healthy

Targets tab selected.

Auto Scaling section:

- Launch Configurations
- Auto Scaling Groups

Feedback: English (US) Oct 25 11:29 © 2006–2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Second Browser Window:

This is a website hosted on LB-1 EC2 instance.

Third Browser Window:

This is from the LB-02 EC2 instance.

Q15:

The screenshot displays two separate AWS console sessions. The top session is the Identity and Access Management (IAM) service, and the bottom session is the Amazon S3 service.

IAM Console (Top):

- Left sidebar:** Shows navigation links for Dashboard, Access management (User groups, Users, Roles), Policies, Identity providers, Account settings, Access reports (Archive rules, Analyzers, Settings, Credential report, Organization activity, Service control policies (SCPs)).
- Right pane:** Shows a list of roles. A success message at the top states: "The role lambda-dynamodb has been created." The list includes:
 - AWSServiceRoleForAmazonElasticFileSystem
 - AWSServiceRoleForAutoScaling
 - AWSServiceRoleForBackup
 - AWSServiceRoleForECS
 - AWSServiceRoleForElastiLoadBalancing
 - AWSServiceRoleForRDS
 - AWSServiceRoleForSupport
 - AWSServiceRoleForTrustedAdvisor
 - ecsInstanceRole
 - ecsTaskExecutionRole
 - lambda-dynamodb** (selected, highlighted in blue)
 - rds-monitoring-role

S3 Console (Bottom):

- Left sidebar:** Shows Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings for this account, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3.
- Right pane:** Shows a success message: "Successfully created bucket 'lambdabucket0123'". It provides instructions to upload files or configure settings. The Buckets section shows one bucket:

Name	AWS Region	Access	Creation date
lambdabucket0123	Asia Pacific (Mumbai) ap-south-1	Objects can be public	October 25, 2021, 12:19:07 (UTC+05:30)

The screenshot displays two separate AWS service consoles side-by-side.

AWS Lambda Console:

- Function Overview:** Shows a function named "lambda1" with no layers or triggers. It includes tabs for Code, Test, Monitor, Configuration, Aliases, and Versions.
- Code Source:** Displays the Python code for the function:

```
import boto3
import uuid
def lambda_handler(event, context):
    s3 = boto3.client('s3')
    for record in event['Records']:
        bucket = record['s3']['bucket']['name']
        object_key = record['s3']['object']['key']
        size = int(record['s3']['object']['size'])
        event_name = record['eventName']
        event_time = record['eventTime']
        dynamoTable.put_item(
            Item={unique : str(uuid4()), 'Bucket': bucket, 'Object': object_key, 'Size': size, 'Event': event_name, 'EventTime': event_time})
```

DynamoDB Console:

- Tables:** Shows a single table named "newtable" with the following details:

Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode
newtable	Active	unique (String)	-	0	Provisioned with auto scaling (5)	Provisioned with auto scaling (5)

The screenshot shows the AWS DynamoDB Items page. On the left, the navigation bar includes links for Dashboard, Tables, Items (New), PartiQL editor, Backups, Exports to S3, and Reserved capacity. Below that is the DAX section with Clusters, Subnet groups, Parameter groups, and Events. A feedback link is also present. The main content area is titled 'Items' with an 'info' link. It shows a table with one item returned from the 'newtable'. The table has columns: unique, Bucket, Event, EventTime, Object, and Size. The single item listed is: unique: 98aa6abb..., Bucket: lambdaabu..., Event: ObjectCreat..., EventTime: 2021-10-2..., Object: s3+bucket+..., Size: 358.

Q16:

The screenshot shows the AWS CloudFormation Stacks page. The left sidebar lists CloudFormation, Stacks, and s3bucket. The main content area is titled 's3bucket' and shows the 'Events' tab. There is one event listed: s3bucket, 2021-10-27 22:54:32 UTC+0530, CREATE_IN_PROGRESS, User Initiated.

The screenshot shows the AWS CloudFormation console interface. On the left is a dark sidebar with various icons. The main area has a header "CloudFormation > Stacks > s3bucket". Below the header is a "Stacks (1)" section with a table showing one stack named "s3bucket" created on "2021-10-27 22:54:32 UTC+0530" with status "CREATE_COMPLETE". To the right of this is the "s3bucket" stack details page. The top navigation bar includes "Delete", "Update", "Stack actions", and "Create stack". Below the navigation are tabs: "Stack info", "Events", "Resources", "Outputs", "Parameters", "Template" (which is selected), and "Change sets". A "View in Designer" button and a refresh icon are also present. The "Template" tab displays the CloudFormation JSON template:

```
{ "AWSTemplateFormatVersion": "2010-09-09", "Description": "AWS CloudFormation Sample template to create an Amazon S3 bucket.", "Resources": { "S3Bucket": { "Type": "AWS::S3::Bucket", "Properties": { "AccessControl": "Private", "DeletionPolicy": "Delete" } } } }
```

At the bottom of the page, there's a footer with links: "https://ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#", "© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.", "Privacy Policy", "Terms of Use", and "Cookie preferences".

This screenshot shows the same AWS CloudFormation console interface as the previous one, but the "Events" tab is selected in the navigation bar. The "Events (5)" section displays five log entries:

Timestamp	Logical ID	Status	Status reason
2021-10-27 22:54:58 UTC+0530	s3bucket	CREATE_COMPLETE	-
2021-10-27 22:54:57 UTC+0530	S3Bucket	CREATE_COMPLETE	-
2021-10-27 22:54:56 UTC+0530	S3Bucket	CREATE_IN_PROGRESS	Resource creation initiated
2021-10-27 22:54:55 UTC+0530	S3Bucket	CREATE_IN_PROGRESS	-
2021-10-27 22:54:32 UTC+0530	s3bucket	CREATE_IN_PROGRESS	User Initiated

The rest of the interface is identical to the first screenshot, including the sidebar, header, and footer.

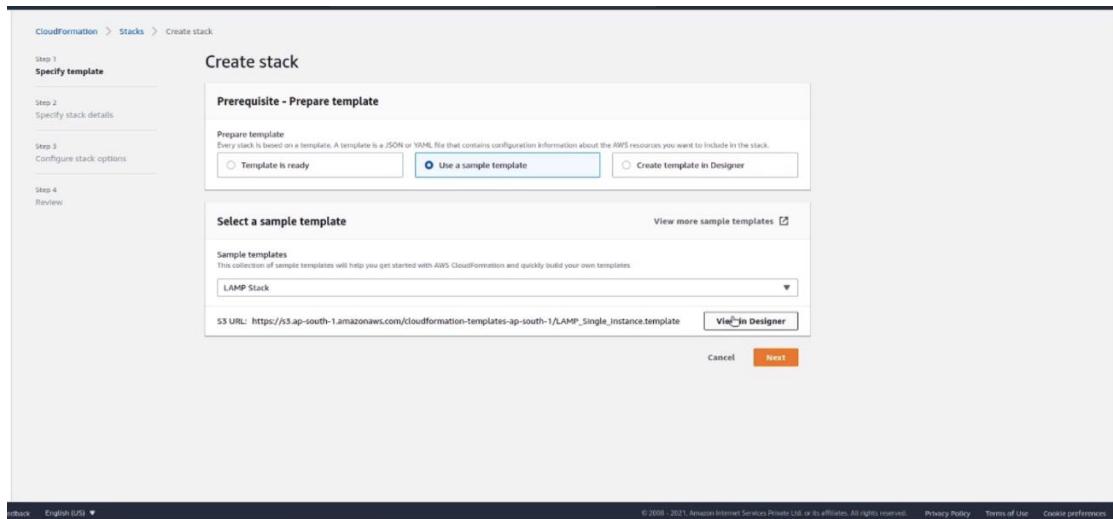
Q17:

The screenshot shows the Amazon S3 console interface. On the left, a sidebar lists various services: Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings for this account, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main area displays the details for the bucket 's3bucket-s3bucket-2du2n8p68jki'. The 'Objects' tab is selected, showing a table with one row: 'No objects'. A message below the table states, 'You don't have any objects in this bucket.' At the bottom right of the table is a large orange 'Upload' button.

The screenshot shows a terminal window titled 'simple_aec_recording' on an AWS Linux instance. The terminal output shows the user performing several actions:

- Uploading files from their local machine to the S3 bucket: 'aws s3 cp cloudFormation.txt s3://simple_aec_recording/' and 'aws s3 cp ./* s3://simple_aec_recording/'.
- Transferring files between the instance and a local machine via SCP: 'scp -r ./Downloads/* ec2-user@ip-172-31-2-247:~/'.
- Copying a public key to the instance: 'cat id_rsa.pub > .ssh/authorized_keys'.
- Logging into the MySQL database: 'mysql -u admin -p'.
- Running a MySQL command: 'SELECT * FROM users;'. The response shows the following table:

username	password	email	last_login	active
admin	password	admin@example.com	2021-10-24 18:38:42	1
user	password	user@example.com	2021-10-24 18:38:42	1



The screenshot shows the AWS EC2 Global View. The left sidebar includes sections for Events, Tags, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs), and Feedback. The main area displays a table of instances. One instance, 'i-098ce22b56e8c26fe', is selected and shown in a detailed view on the right. The detailed view shows the following information:

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance ID: i-098ce22b56e8c26fe						
Public IPv4 address: 3.109.122.85 [open address]						
Private IPv4 address: ip-172-31-2-247.ap-south-1.compute.internal						
Instance state: running						
Instance type: t2.small						

At the bottom of the page, there are tabs for 'Feedback', 'English (US)', and links to 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

Q18:

The screenshot displays two consecutive pages from the AWS S3 console.

Page 1: Bucket Creation Confirmation

The top navigation bar shows "Amazon S3". The left sidebar includes links for Buckets, Storage Lens, and AWS Marketplace for S3. The main content area shows a success message: "Successfully created bucket 'globallogic2021'". It also features an "Account snapshot" section and a table for "Buckets (1) info".

Name	AWS Region	Access	Creation date
globallogic2021	Asia Pacific (Mumbai) ap-south-1	Objects can be public	October 27, 2021, 20:04:17 (UTC+05:30)

Page 2: File Upload Status

The top navigation bar shows "Amazon S3". The left sidebar includes links for Buckets, Storage Lens, and AWS Marketplace for S3. The main content area shows a success message: "Upload succeeded". It features a "Summary" section and a "Files and folders" table.

Summary	
Destination	Status
s3://globallogic2021	Succeeded 1 file, 9.0 KB (100.00%)
Failed	0 files, 0 B (0%)

Files and folders (1 Total, 9.0 KB)

Name	Folder	Type	Size	Status	Error
download.jpeg	-	image/jpeg	9.0 KB	Succeeded	-

The screenshot shows the AWS CloudFront 'Distributions' page with a success message: 'Successfully created new distribution.' The distribution ID is E3DY03915UVHND. The 'General' tab is selected. Key details include:

- Distribution domain name:** d2lw65l098vl.cloudfront.net
- ARN:** arn:aws:cloudfront::488976890796:distribution/E3DY03915UVHND
- Last modified:** Deploying

The 'Settings' section includes:

- Description:** Standard logging Off
- Price class:** Use all edge locations (best performance)
- Supported HTTP versions:** HTTP/2, HTTP/1.1, HTTP/1.0
- AWS WAF:** Default root object -
- Alternate domain names:** Cookie logging Off

At the bottom, there are links for Feedback, English (US), and various AWS services.

The screenshot shows the AWS S3 Management Console with a success message: 'Successfully created bucket "myfirstbucket15rr". To upload files and folders, or to configure additional bucket settings choose View details.' The 'Buckets' section displays:

- Account snapshot:** Storage lens provides visibility into storage usage and activity trends.
- Buckets (1) Info:** Buckets are containers for data stored in S3. A table lists one bucket:

Name	AWS Region	Access	Creation date
myfirstbucket15rr	Asia Pacific (Mumbai) ap-south-1	Objects can be public	October 25, 2021, 09:36:35 (UTC+05:30)

The left sidebar shows the navigation menu for Amazon S3, including options like Buckets, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, and Storage Lens.