AWS Project: -8

Project Date: - 28.04.2021

Prepared by: - Sarveswara Sarma Nemani

Q:- Create instance with 10GB and **increase storage** 20GB mount the drive and create a folder and check the files created or not

Sol: **Terminal Logs: -**

login as: ec2-user

Authenticating with public key "imported-openssh-key" Last login: Wed Apr 28 06:47:38 2021 from 136.185.122.1



https://aws.amazon.com/amazon-linux-2/

1 package(s) needed for security, out of 15 available

Run "sudo yum update" to apply all updates.

[ec2-user@ip-172-31-29-140 \sim]\$ sudo -i

[root@ip-172-31-29-140 ~]# fdisk -l

Disk /dev/xvda: 10 GiB, 10737418240 bytes, 20971520 sectors

Units: sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: gpt

Disk identifier: FACB2BA0-0AE1-4C0F-BCF8-5A42B66C1B45

Device Start End Sectors Size Type /dev/xvda1 4096 20971486 20967391 10G Linux filesystem /dev/xvda128 2048 4095 2048 1M BIOS boot

Partition table entries are not in disk order.

Disk /dev/xvdf: 100 GiB, 107374182400 bytes, 209715200 sectors Units: sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

[root@ip-172-31-29-140 ~]# fdisk /dev/xvdf

Welcome to fdisk (util-linux 2.30.2). 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. Created a new DOS disklabel with disk identifier 0x8a74e2f5.

Command (m for help): n

Partition type

- p primary (0 primary, 0 extended, 4 free)
- e extended (container for logical partitions)

Select (default p): p
Partition number (1-4, default 1):
First sector (2048-209715199, default 2048):
Last sector, +sectors or +size{K,M,G,T,P} (2048-209715199, default 209715199):

Created a new partition 1 of type 'Linux' and of size 100 GiB.

Command (m for help): w The partition table has been altered. Calling ioctl() to re-read partition table. Syncing disks.

[root@ip-172-31-29-140 ~]# mkfs.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=0 blocks, Stripe width=0 blocks 6553600 inodes, 26214400 blocks 1310720 blocks (5.00%) reserved for the super user First data block=0 Maximum filesystem blocks=2174746624 800 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,

Allocating group tables: done Writing inode tables: done

Creating journal (32768 blocks): done

Writing superblocks and filesystem accounting information: done

4096000, 7962624, 11239424, 20480000, 23887872

[root@ip-172-31-29-140 ~]# mkdir snemani [root@ip-172-31-29-140 ~]# ls

snemani

[root@ip-172-31-29-140 ~]# fdisk -l

Disk /dev/xvda: 10 GiB, 10737418240 bytes, 20971520 sectors

Units: sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: gpt

Disk identifier: FACB2BA0-0AE1-4C0F-BCF8-5A42B66C1B45

Device Start End Sectors Size Type /dev/xvda1 4096 20971486 20967391 10G Linux filesystem /dev/xvda128 2048 4095 2048 1M BIOS boot

Partition table entries are not in disk order.

Disk /dev/xvdf: 100 GiB, 107374182400 bytes, 209715200 sectors

Units: sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

[root@ip-172-31-29-140 ~]# mount /dev/xvdf snemani

[root@ip-172-31-29-140 ~]# lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT

xvda 202:0 0 10G 0 disk

∟xvda1 202:1 0 10G 0 part /

xvdf 202:80 0 100G 0 disk /root/snemani

[root@ip-172-31-29-140 ~]# history

- 1 fdisk -l
- 2 fdisk /dev/xvdf
- 3 mkfs.ext4 /dev/xvdf
- 4 mkdir snemani
- 5 ls
- 6 fdisk -l
- 7 mount /dev/xvdf snemani
- 8 Isblk
- 9 history

[root@ip-172-31-29-140 ~]#