Module 1: EC2 and EBS assignment-1

We are going to launch an Linux EC2 instance and also work with EBS

Step 1: Creating an instance

• we will choose our AMI as amazon Linux

• next choose t2(micro) as instance type and click on next configure instance details

• next go to add storage click on add new volume EBS

• click on add tags and add any tag name.

• go to configure security group and select source as anywhere and then review and launch our instance.

• we can go with new key pair if we want, else we can choose proceed without a keypair.

• Now our instance is launched. Step 2: checking if resize of the volume reflects in connected instance Go to putty and open the instance using ipv4 address Type the command lsblk, it will show the storage capacity

Next go to our instance and select volume and modify the volume size. We can only increase the volume and save it.

Go to putty and again check the storage with lsblk command we'll see the modified storage

Module 2: EC2 and EFS assignment – 2

Step 1: We will create a file system using EFS service

Step 2: We are going to launch three instances with different AMI's, first with Ubuntu, next Redhat Linux and then Amazon Linux 2.

Step 3: The remaining process of creating an instance is same for all, we'll add our EFS file in fourth step by clicking on add shared file system

Step 4: we should also add NFS rule in configure security group step and lastly click on review and launch.

Step 5: After creating instances open them in putty using their public Ipv4 address. We'll first open the instance of Linux and in the EFS file path ("/mnt/efs/fs1/") we'll add some files

Step 6: if we open other instances of Redhat Linux and amazon Linux 2 ,we can see that those files in Linux are shown here.

So with EFS we can work with files in multiple instances simultaneously.

Module 3 : S3 assignment-3

Steps to create s3 bucket:

1. Go to s3 service and click on create bucket, name it while naming the bucket we have some rules which are mentioned below:

 i)Name can have lowercase, numbers, 3-63 characters.

ii)Name shouldn't contain uppercase, no special characters except ".",underscore. shouldn't be in the form of IP address.

 We can uncheck block all public access for others to view our objects and check on enable versioning to get version Id's for our objects.

2.Upload objects using upload button, these objects can be of any type. We can also upload same object multiple times, they all will have different version Id's