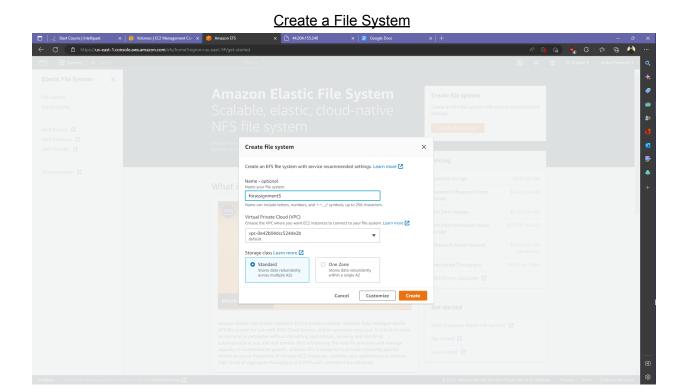
# Module-2: EC2 and EFS Assignment - 3

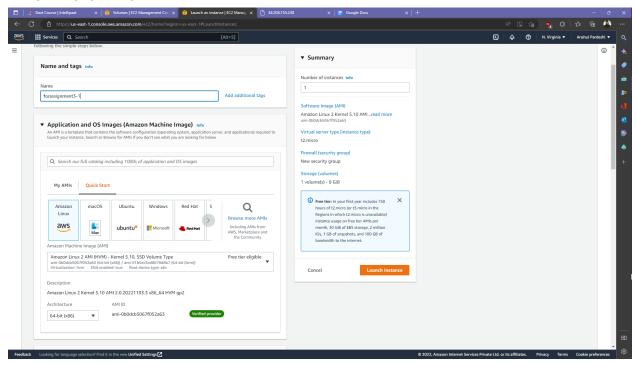
#### You have been asked to:

1. Create an EFS and connect it to 3 different EC2 instances. Make sure all instances have different Operating Systems. For instance, Ubuntu, Red Hat Linux and Amazon Linux 2.

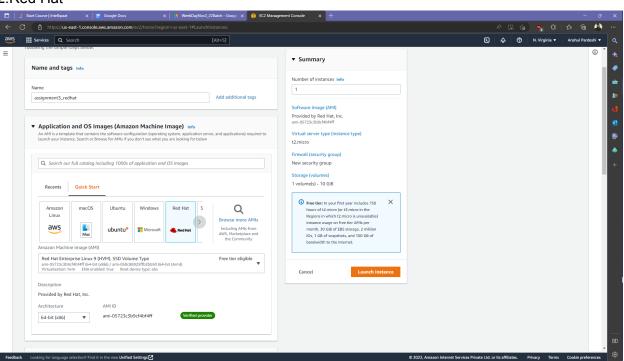


## Launch ec2 instances with three different AMI:

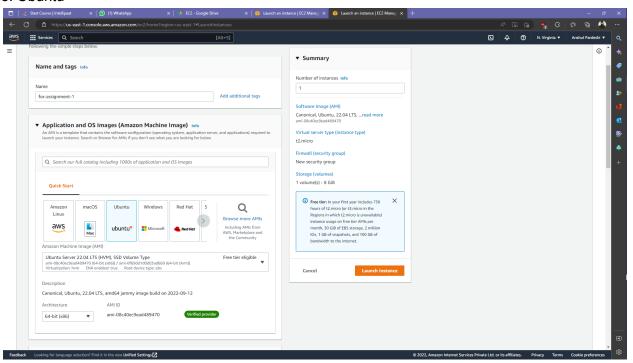
#### 1. With Amazon Linux



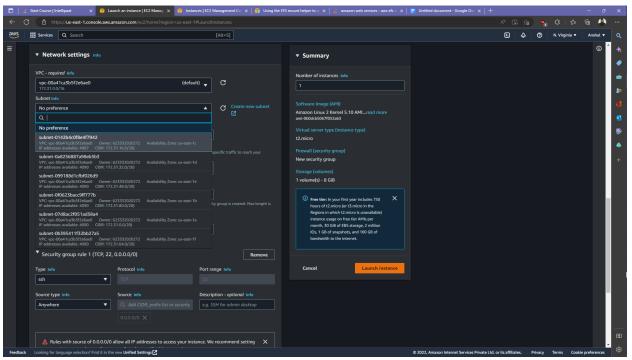
#### 2.Red Hat



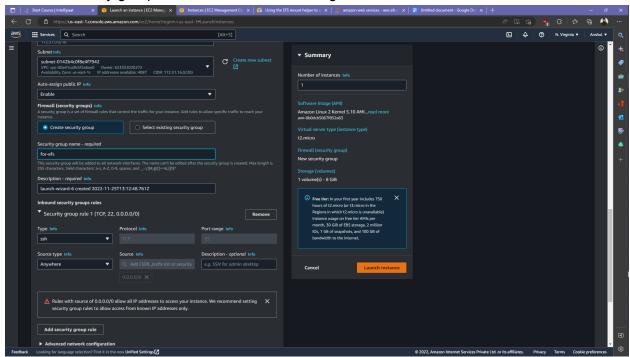
#### 3. Ubuntu



# Choose any one subnet by clicking on edit in network settings while making all the three instances

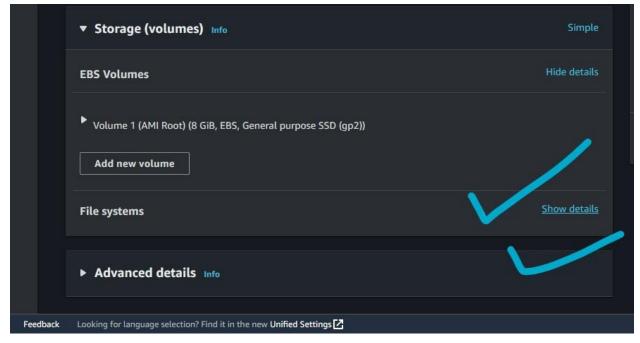


Create a security group to be chosen while creating all 3 instances

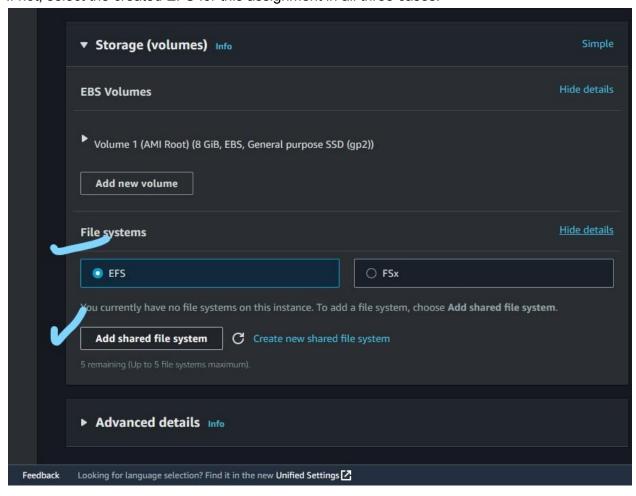


Now to attach EFS in the instance, follow following procedure in all three instances:

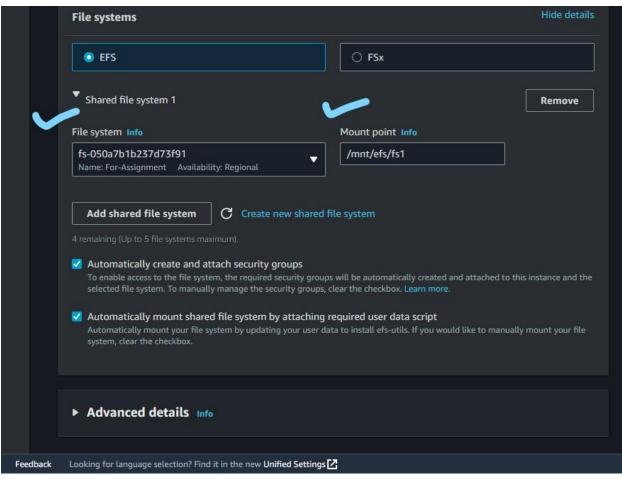
In Storage, in front of 'File Systems', click on 'Show Details'.



Now, select 'EFS' and 'add shared file system'. Here if you've only one EFS in that VPC it will be mounted automatically. If not, select the created EFS for this assignment in all three cases.



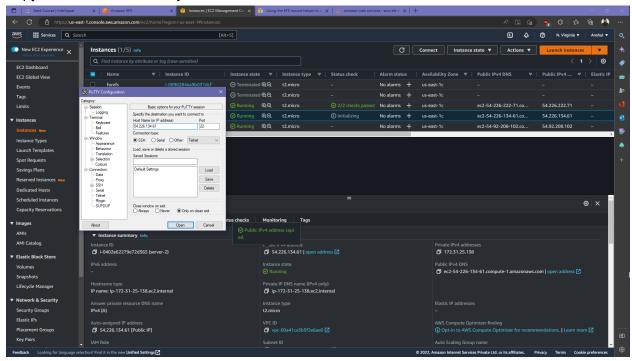
# EFS mounted.



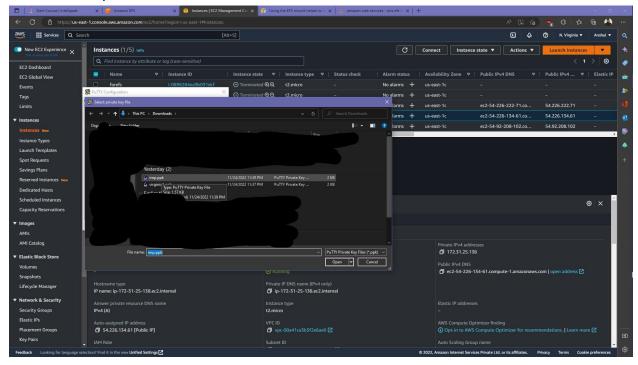
# Optional, not in the Task:

## To connect instances use PuTTY config:

Copy IP of instance which you would like to connect



Using PuTTYgen generate key using .pem used while choosing keypair while making an instance and upload it in SSH>>Auth>>Credentials



After getting in to connected instance, Update using: sudo apt-get update or yum update or any other subsequent update command.

RedHat:

sudo yum -y install git sudo yum -y install rpm-build git clone https://github.com/aws/efs-utils cd efs-utils sudo yum -y install make sudo yum -y install rpm-build sudo make rpm sudo yum -y install ./build/amazon-efs-utils\*rpm

.....

Ubuntu: sudo apt-get install nfs-common -y

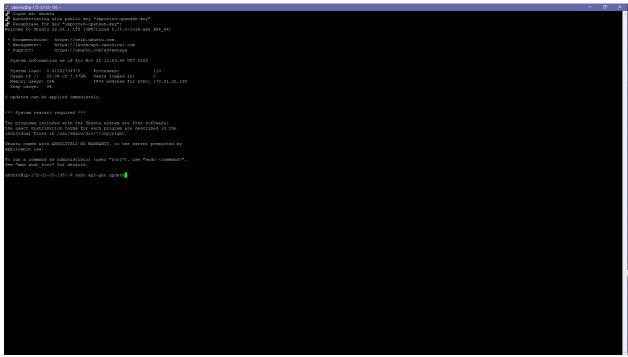
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Amazon Linux : sudo yum install amazon-efs-utils -y

Then search for connected efs mount location using: df -h , df -t Here mount location was /mnt/efs/fs1

For instance 1 say Amazon Linux upload a file at this mount location: Cd /mnt/efs/fs1
Touch file1.txt

Then check whether the above file is reflected in other instances by connecting them using the same putty config procedure to mount location and list. You'll observe that files have been reflected.



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### Proposed Confedence | Proposed Compensation | Prop
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