# **AWS TASK 1**

#### Main Objectives:

- **©** Create a key pair
- Create a security group
- Launch an instance using the above created key pair and security group.
- Create an EBS volume of 1 GB.
- the final step is to attach the above created EBS volume to the instance

#### Creating key Pair

Command: aws ec2 create-key-pair --key-name newpass

```
C:\Users\Ashish>aws ec2 create-key-pair --key-name newpass

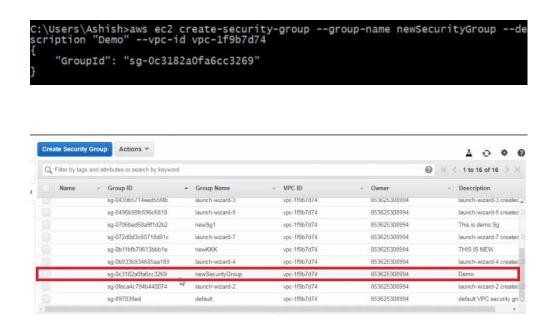
{

"KeyFingerprint": "2c:f5:71:75:10:7c:b2:56:b9:ea:6c:5e:e7:7d:c7:95:aa:58:94:
e8",

"KeyMaterial": "----BEGIN RSA PRIVATE KEY----\nMIIEPAIBAAKCAQEAs2s0sDkfJnL
C8TG+tqBbzx9mqwma6fYUORkFsiIrJRtd09ul\nKFLAjrixZGIIbql0kS7ZlFj+eAO7/saBFUaGrTaqr
OHe63BvU8XLA8RJVFVVSKS2\npgBV/C2tB3hTpoXOmS6Kvleg95bbNvgjLdsqpq6F8Eww5CSMmJE6Z7z
XHYSjL5tP\nwxUma9igzsbZpfLHMfgGBDyHcvS9/N/GNSqjig+TpiuMwFX61abfrnDqLLzwI8+U\nxVT
WED0UeE3/i86MRduIrK3CgHavWQEhotv/V3tao+m5uSnzV6ScDxvO1L5v6t+d\nfoqGFkjPLLdNTIinU
KPUojxqaLoU7QF8K+wkqQIDAQABAOIBADA8Kx8RTEmW45fb\n0s14URZe98gVvfswDeR4+U6JlXXTXKb
XTXCHJTN33eEB5ghyJfgsIzyZrFfxkRIO\npddlbYGVx89AhQDA6pkPdD9f/v7N7SwZM4jvYC56ZSDL/
ZkwPDE0b5jB0zmc6fRe\nq37pg/L0EngmzKSs2icoLciFgUoi2MrGlLaeh7+CdQV6dXq50FDWE2tERrL
HiFZ5\nETpkJqT3+22ZZmnq+UpoahYEhqaxFcvhGJ81l17jYrXB1npNKoNdeIJZphLb+8zX\nr3EXBP1
6501KehCWY/FH1CK14mcfHPISuq8Z7pg7d83KyDmbTZ/uoVkE+ax+C15t\nk5K9ybOcgYEA2Fez0yS4p
Sj9ldpaN/qkL6t6RaOSmqJ68Ux2Ss4mcd8fTPkG+9Ld\nrKWiSM56Eok6sTYMV5ZYiEBu7QEQGB8Y9Y8
P8fN4rppRVuSgyxOkuqYYj06LnhmR\nlvn9eleCI4fGT04DiTqC8hmIjdFgBbLKRvg6RbKkzXhFBmOKS
WIiHS8CgYEA1E7I\nCY04NEgn8O7SynsLIS34XU8DuDOFmJXUyevExMabDoS0qlIp5FkV/STxsO7ACBdI
1\n17BMPPiUUQ4gcN7CN8EY3CKAlTEpipjWUNLNOpocZEGWPVEOJ3t12vAAZYdT7015\nvsZpKheLAM/
RTOmtw/VB6STmKlnJovda5PZMVacCgYB2kwp+1+tSqwqBzJARig6e\nca8Tp5hbo50Zzjwutij]pCF1g
C4xqdnQG18b4/3HVuqR4PtWrZGL6ZRgNGrrrw9y\ndZvZkQSdPPDUz5Ez1lD6nAfan7egUjno88mU/u
BGZK40Bt8BFNr+E582zlzJg/y\nyW0ecdAcxEOgQsGxglUMBQKBgQC8/90OUPmz4UBdRd41DtBbmzbsq
fifit14LxeaG\nUvL6UexJ9nrxIUymPPwRUE7x28AROo9gEbvs00YF2lM+UkAHrkjzP4XESt206ACy\nN
tcogiUgQzIHhAYBD/FdFffgld+JfIpmSvposfF0zt6AtUEC4PA4cQck43jG9y4\n02ilJQKBgQCntPz
```

#### Creating Security-group

Command: aws ec2 create-security-group --group-name newSecurityGroup --description "Demo" --vpc-id vpc-1f9b7d74



Assigning ingress rule to security-group

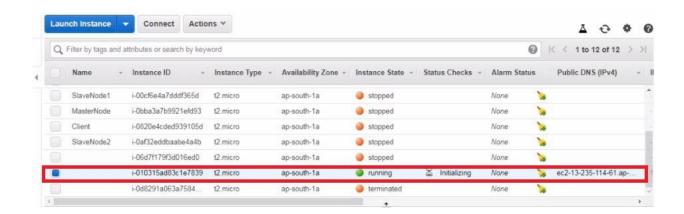
Command: aws ec2 authorize-security-group-ingress --group-name newSecurityGroup --protocol tcp --port 22 --cidr 0.0.0.0/0



For Launching an instance using CLI

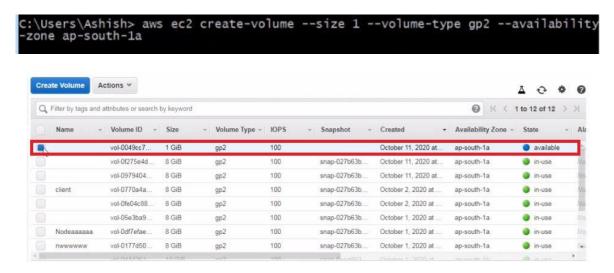
Command: aws ec2 run-instances --image-id ami-0e306788ff2473ccb --instance-type t2.micro -- security-group-ids {sg-015e9d81ee97c0ecb} --subnet-id subnet-b94d42d1 --count 1 --key-name newpass

C:\Users\Ashish>aws ec2 run-instances --image-id ami-0e306788ff2473ccb --instan ce-type t2.micro --security-group-ids sg-0c3182a0fa6cc3269 --subnet-id subnet-b 94d42d1 --count 1 --key-name newpass



## Command for creating EBS volume

Command: aws ec2 create-volume --size 1 --volume-type gp2 --availability-zone ap-south-1a



### Command for Attaching EBS volume to Running instance

Command: aws ec2 attach-volume --volume-id vol-080008bd824adc663 --instance-id i-0d8291a063a758488 --device /dev/sdf

C:\Users\Ashish>aws ec2 attach-volume --volume-id vol-0049cc7ae9bc44306 --insta nce-id i-010315ad83c1e7839 --device /dev/sdf

```
Platform details LITIUX/UNIA
                                                                           Network Interfaces euro
  Usage operation RunInstances
                                                                                    IAM role -
Source/dest check True
                                                                               Key pair name newpass
  T2/T3 Unlimited -
                                                                                     Owner 853625308994
                                                                                 Launch time October 11, 2020 at 11:23:47 PM UTC+5:30
   EBS-optimized False
                                                                                             (less than one hour)
  Root device type ebs
                                                                         Termination protection -
     Root device /dev/xvda
                                                                                  Lifecycle normal
    Block devices /dev/xvda
                                                                                  Monitoring basic
                                                                                Alarm status -
```

#### **FINAL OUTPUT**

```
https://aws.amazon.com/amazon-linux-2/
2 package(s) needed for security, out of 13 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-43-200 ~]$ sudo su
[root@ip-172-31-43-200 ec2-user]# fdisk -l
Disk /dev/xvda: 8 GiB, 8589934592 bytes, 16777216 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: 66B3909F-969E-4FD1-901C-CEE3A9974A83
Device
              Start
                         End Sectors Size Type
/dev/xvda1
            4096 16777182 16773087 8G Linux filesystem
/dev/xvda128 2048
                         4095
                                   2048
                                          1M BIOS boot
Partition table entries are not in disk order.
Disk /dev/xvdf: 1 GiB, 1073741824 bytes, 2097152 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-172-31-43-200 ec2-user]# |
```