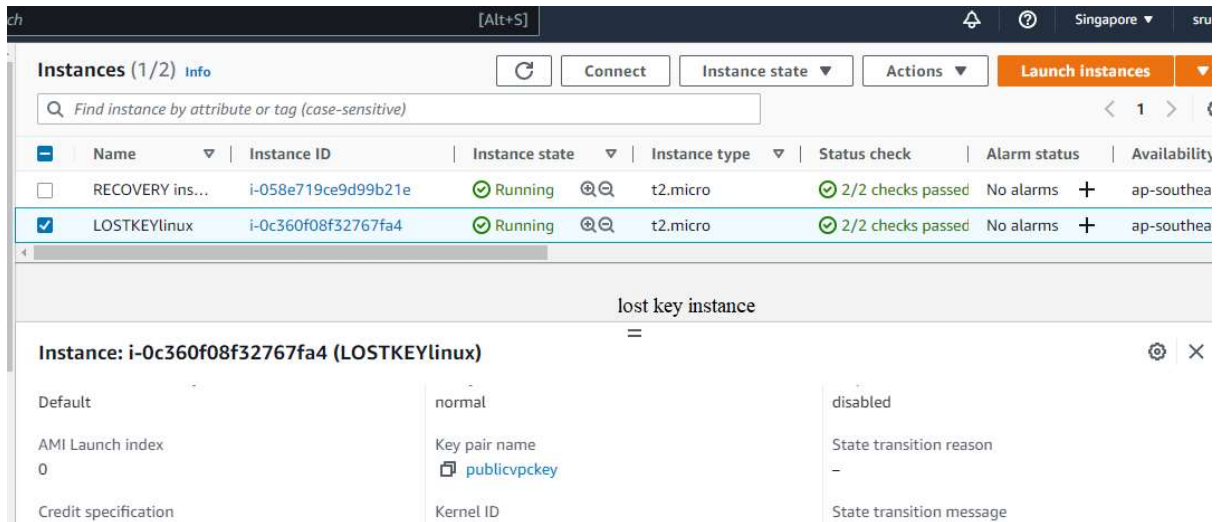
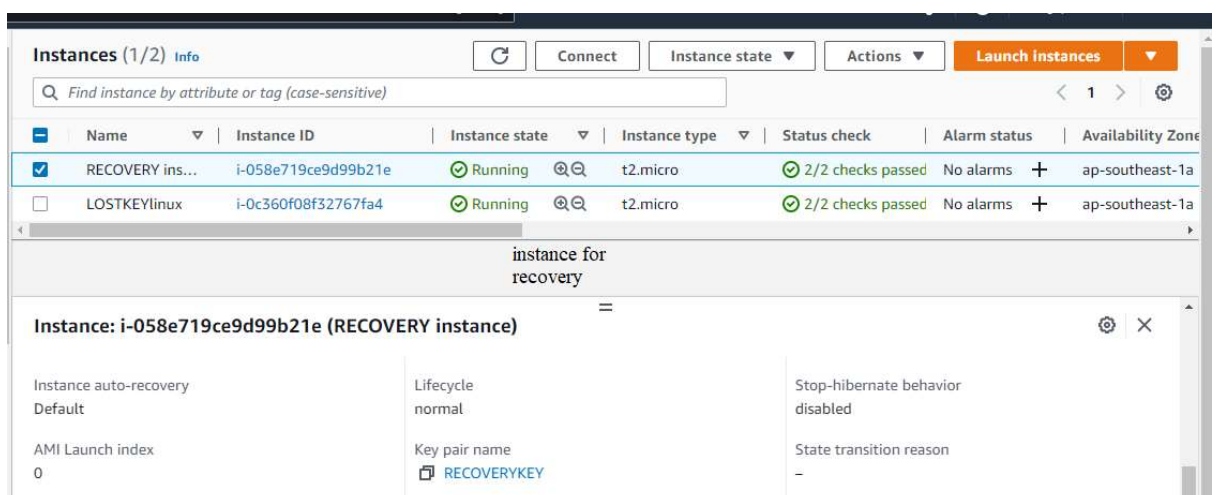


Changing the Key for the instance (lost key)

1. Stop the instance, for which the key is lost.



2. Detach the volume from that instance in Volumes tab on the AWS EC2 console.
3. Then attach the volume to another instance (Recovery instance).



4. Launch the Recovery instance and mount the volume using `sudo mount -o rw,nouuid /dev/xvdf1 /mnt`

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

 _ _ _ _ _
| | | | |
|_|_|_|_|_| Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-41-132 ~]$ sudo su root
[root@ip-172-31-41-132 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 /
[root@ip-172-31-41-132 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  8G  0 disk
└─xvdf1    202:81    0  8G  0 part
[root@ip-172-31-41-132 ec2-user]# sudo mount -o rw,nouuid /dev/xvdf1 /mnt
[root@ip-172-31-41-132 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  8G  0 disk
└─xvdf1    202:81    0  8G  0 part /mnt
[root@ip-172-31-41-132 ec2-user]# ls -al
total 12
```

5. The key files are stored in .ssh folder get it using `ls -al` command.

6. Using the command `Cat /home/ec2-user/.ssh/authorized_keys >> /mnt/home/ec2-user/.ssh/authorized_keys`
Copy the key to the mounted volume.

```
xvdf1 202:81    0  8G  0 part /mnt
[root@ip-172-31-41-132 ec2-user]# ls -al
total 12
drwx----- 3 ec2-user ec2-user 74 Nov 27 14:35 .
drwxr-xr-x 3 root      root    22 Nov 27 14:35 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwx----- 2 ec2-user ec2-user 29 Nov 27 14:35 .ssh
[root@ip-172-31-41-132 ec2-user]# cat /home/ec2-user/.ssh/authorized_keys >> /mnt/home/ec2-user/.ssh/authorized_keys
[root@ip-172-31-41-132 ec2-user]# cd .ssh
[root@ip-172-31-41-132 .ssh]# ls
authorized_keys
[root@ip-172-31-41-132 .ssh]# vi authorized_keys
[root@ip-172-31-41-132 .ssh]#
```

```
root@ip-172-31-41-132/home/ec2-user/.ssh
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCy181ON1MvVjw9F99q59CyFu/6zexAulzVp4HmKTd9kOmW4pf7EaayQkX8FVnp6M0wzWlJgM1KIEIdgl5VVpQDjPnBvXAKKVBChYKBAxP5uUz11zbIbt0Ah0zDqpX/FZG
5fGHgBdB2Hkc3/T0k/s5o9gsf0+0IKuK+2AKiWB1c5JuT0V7EeaNa1Iq70SCbSavsv1C3ye1kqe4Jl/GfHA4oTtvdCaV4+p98ahqxoEV4cHbNyz9C8UfPv7vozcc2uMqq9gciUIZcXcyJ/4V4fU6pXihputSg/W11JSVPmVa
S+s+xxb8x71/GHuHglqTf4HQMrh5+SVHuE8fvGmWIBhF RECOVERYKEY

copied publickey
```

7. Now unmount the volume `sudo umount /mnt`

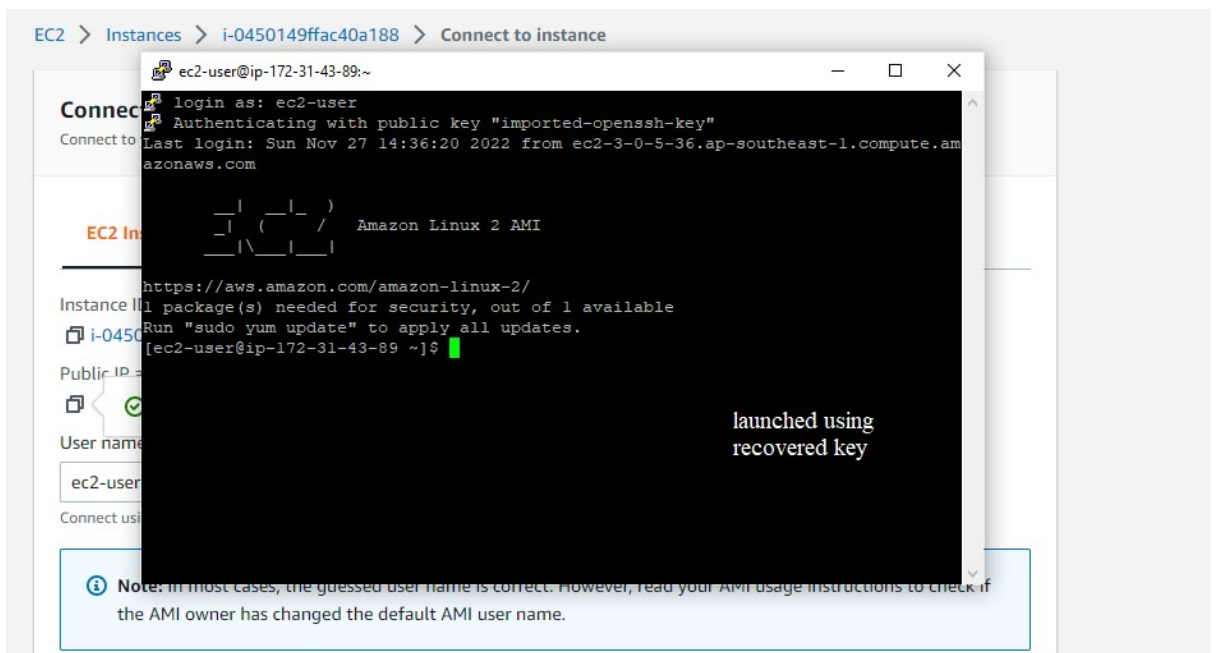
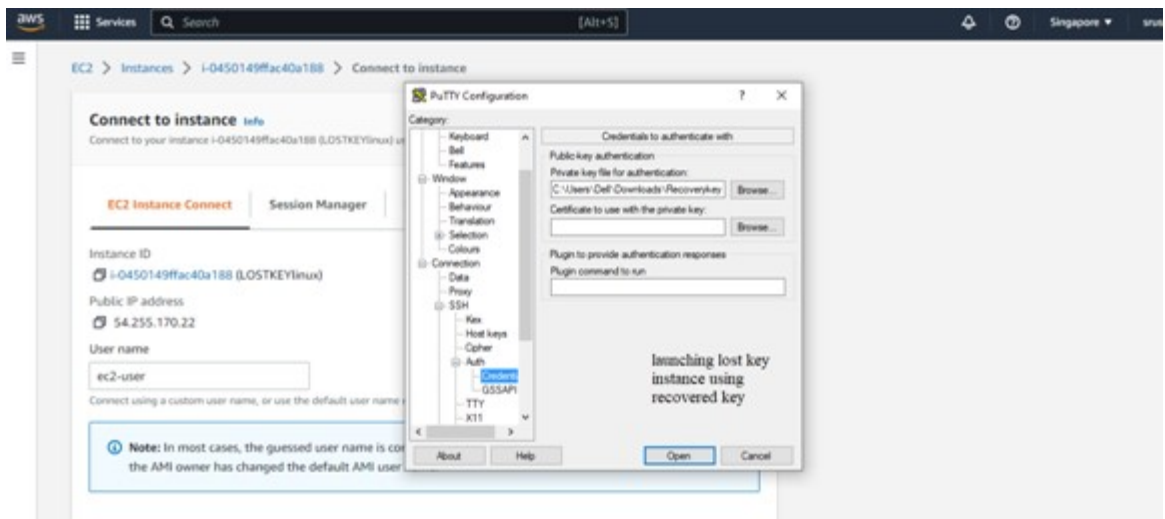
```
[root@ip-172-31-41-132 ec2-user]# sudo umount /mnt
[root@ip-172-31-41-132 ec2-user]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvda         202:0    0   8G  0 disk
└─xvda1      202:1    0   8G  0 part /
xvdf         202:80   0   8G  0 disk
└─xvdf1      202:81   0   8G  0 part

unmounting
volume

[root@ip-172-31-41-132 ec2-user]#
```

8. Stop the recovery instance and detach the volume in AWS console.
9. Then attach the volume to the original instance and launch it using the Recovered key.

Launching the instance using recovered key



NOTES:

Cat /home/ec2-user/.ssh/authorized_keys >> /mnt/home/ec2/.ssh/authorized_keys
This command copies the public key along with the Existing key existing public key.

```
root@ip-172-31-41-132:/root/home/ec2-user/.ssh
sh -x ssh AAAAB3NzaC1yc2EAAAADAQABAAQCTIAw/+N0TVy0FRRhagw+Q00emKc+HagTuoF1v9AAmhaQgITIPDjPmHHELR++GALvF132+V0F3JC1e0jV6223CPCJ336CblJATfry29180eA/ZJTJ0V6fTf9eB
Cw0E+u0QkYYP148AAaTlA48HGDm+CK4Vf9TQIy+HQ04F0g140cYI+7LiCenalySEa71CMH0/+00z0Uwz70AR0U100FLAeThAaam+EAT0eX711JvIj72u1741hPjD00imT3X0j0WLGAA0+q00Y10Wari
m0AT0wT0V0A117g0Aa7C071a00j040E00LTF+Ev sub110p0key
ssh -x ssh AAAAB3NzaC1yc2EAAAADAQABAAQCTIAw/+N0TVy0FRRhagw+Q00emKc+HagTuoF1v9AAmhaQgITIPDjPmHHELR++GALvF132+V0F3JC1e0jV6223CPCJ336CblJATfry29180eA/ZJTJ0V6fTf9eB
Cw0E+u0QkYYP148AAaTlA48HGDm+CK4Vf9TQIy+HQ04F0g140cYI+7LiCenalySEa71CMH0/+00z0Uwz70AR0U100FLAeThAaam+EAT0eX711JvIj72u1741hPjD00imT3X0j0WLGAA0+q00Y10Wari
m0AT0wT0V0A117g0Aa7C071a00j040E00LTF+Ev sub110p0key
D+e+000t0t1/GHuhg1gTf4H0Mtrhs+SVBhE8fVgmWIBhF RECOVERYKEY
```

So us vi authorized_keys to edit the file.

```
root@ip-172-31-41-132:/root/home/ec2-user/.ssh
sh -x ssh AAAAB3NzaC1yc2EAAAADAQABAAQCTIAw/+N0TVy0FRRhagw+Q00emKc+HagTuoF1v9AAmhaQgITIPDjPmHHELR++GALvF132+V0F3JC1e0jV6223CPCJ336CblJATfry29180eA/ZJTJ0V6fTf9eB
Cw0E+u0QkYYP148AAaTlA48HGDm+CK4Vf9TQIy+HQ04F0g140cYI+7LiCenalySEa71CMH0/+00z0Uwz70AR0U100FLAeThAaam+EAT0eX711JvIj72u1741hPjD00imT3X0j0WLGAA0+q00Y10Wari
m0AT0wT0V0A117g0Aa7C071a00j040E00LTF+Ev sub110p0key
D+e+000t0t1/GHuhg1gTf4H0Mtrhs+SVBhE8fVgmWIBhF RECOVERYKEY

copied publickey
```

Otherwise this key will not launch the instance.