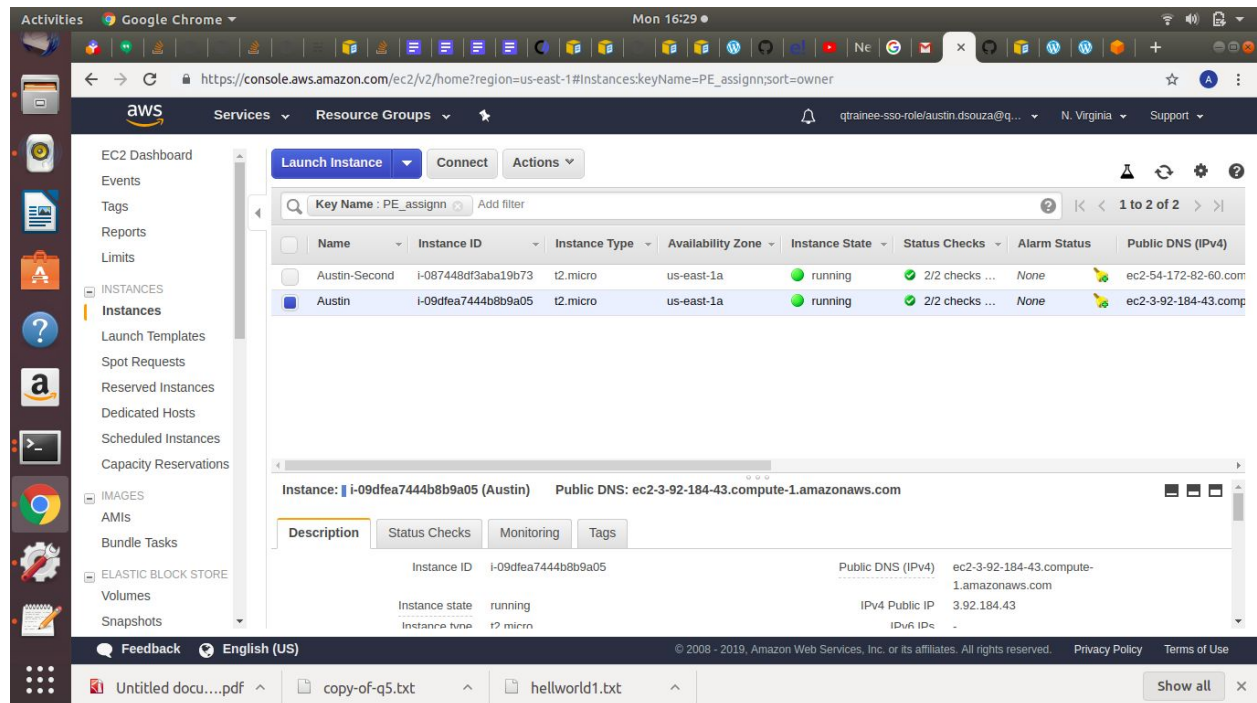


Step1 : Create 2 EC2 instances and they should be within the same subnet. In this case they are within the Default Subnet



Step2: Make the security group such that the two instances can communicate to each other. To do this make the security group (Inbound) point to each other.

Step3: Access (Austin) instance through ssh and run the following command
`ssh-keygen -t rsa -N "" -f /home/ubuntu/.ssh/id_rsa`

Step4: Copy the content from id_rsa.pub and append it to the authorised keys file of other EC2 Instance (Austin-Second).

Step5: This is an Optional Step. In (Austin-Second) EC2 instance in which you appended the id_rsa.pub
Use the command **chmod 600** on authorised keys

Step6: After the above steps you can run the following command in (Austin) EC2 instance
To access (Austin-Second) EC2 instance
`ssh -i id_rsa ec2-user@<public ip of instance you want to access>`

```
Activities  Terminal  Mon 16:17 ●
ec2-user@ip-172-31-86-126:~

File Edit View Search Terminal Help
CHQLYGCFtQ5J06agJpyIgoRSbSWN2h+8R4F/HYMy9zCYZddhS2vU3yF7wQMG+CAoFhZ1PFVEvmusFll9pE+NX4fUdwkJfLDl ubuntu@ip-172-31-86-22
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ec2-user@54.172.86.60
^X^C
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ec2-user@54.172.86.60
^X^C
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ec2-user@54.172.86.60
^C
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ec2-user@54.172.86.60
^C
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ec2-user@54.172.86.60
^X^C
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ubuntu@54.172.86.60
^X^C
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ubuntu@54.172.82.60
The authenticity of host '54.172.82.60 (54.172.82.60)' can't be established.
ECDSA key fingerprint is SHA256:CuuM1MBSe8eJrq03UEOP04Bs8CeD/ejLtb6v9oo09Q8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '54.172.82.60' (ECDSA) to the list of known hosts.
ubuntu@54.172.82.60: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
ubuntu@ip-172-31-86-22:~/.ssh$ ls
authorized_keys  id_rsa  id_rsa.pub  known_hosts
ubuntu@ip-172-31-86-22:~/.ssh$ cat authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCECYkiJ04v7bG7B+tP7M6yFbv7tC70ZsB/rnw4/REcIXK9DiZxX6qxWjv4G4NIBsuDWli7gLm9lKUDgyZEKhSvn9FZCB++a00PtvCZL
z2bAYaTnFkmV+AoCKwFylApULMsD5kordgetrSTLA8kxjoJmCRBeR3ZX5vjnURcJyQ7lNSrrkZe3ozwNBV6K/0VeC6ohYA3tMm+PnwvVvuWMDv+hB4lnbgtu577v90bx/+3y7I8WXVFN6
StYVwXtKz2JZoXXjlZuqkiJqohoVrEUPMICVoQUMftITyQLYvzDsm0Ersp8LAHnWL0z1Ja2bnRyqz1SvnTdkRmQPA05pV1 PE_assignn
ubuntu@ip-172-31-86-22:~/.ssh$ ssh -i id_rsa ec2-user@54.172.82.60
Last login: Mon Jun 17 10:10:27 2019 from 59.152.53.122

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      Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
5 package(s) needed for security, out of 9 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-86-126 ~]$
```