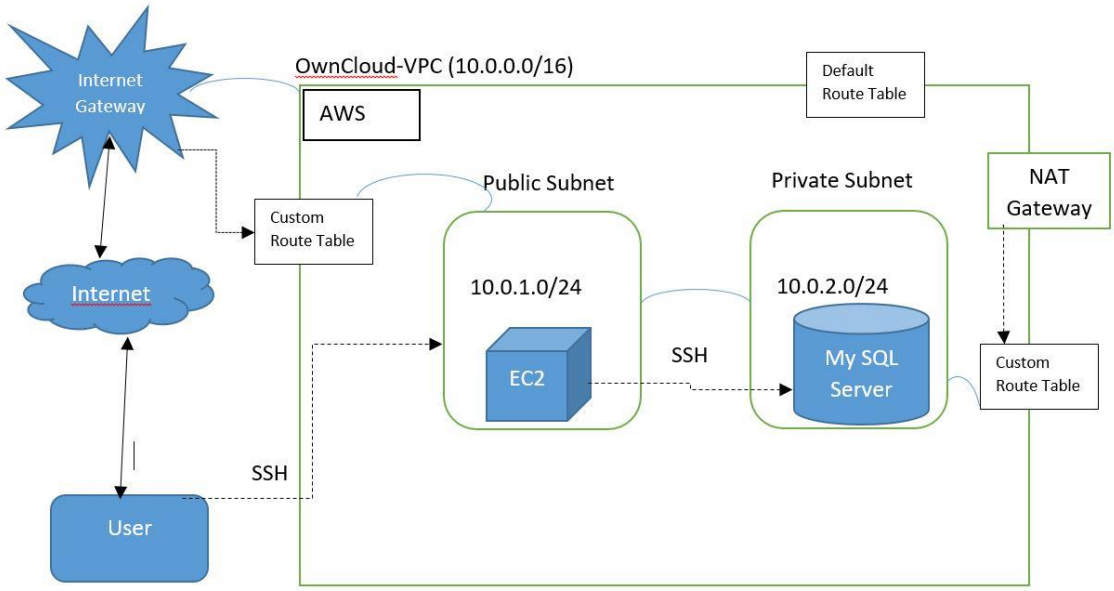
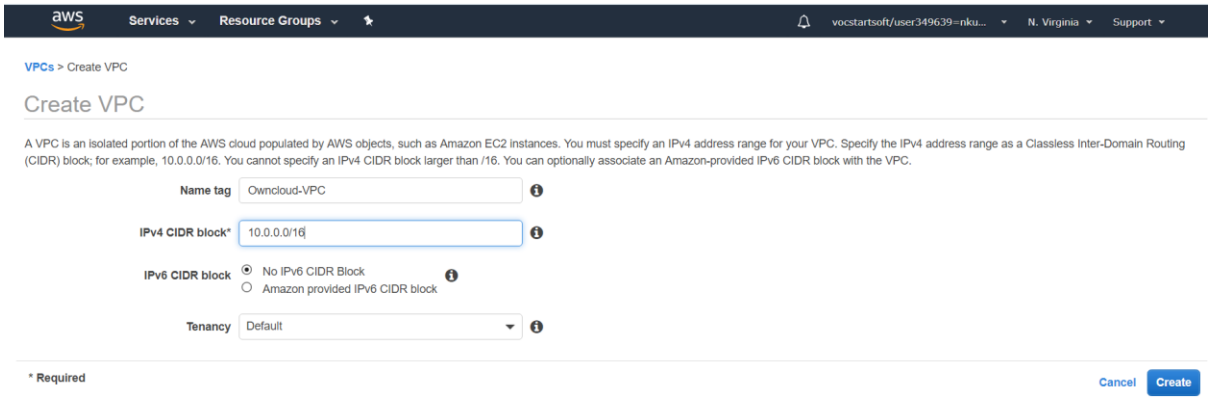
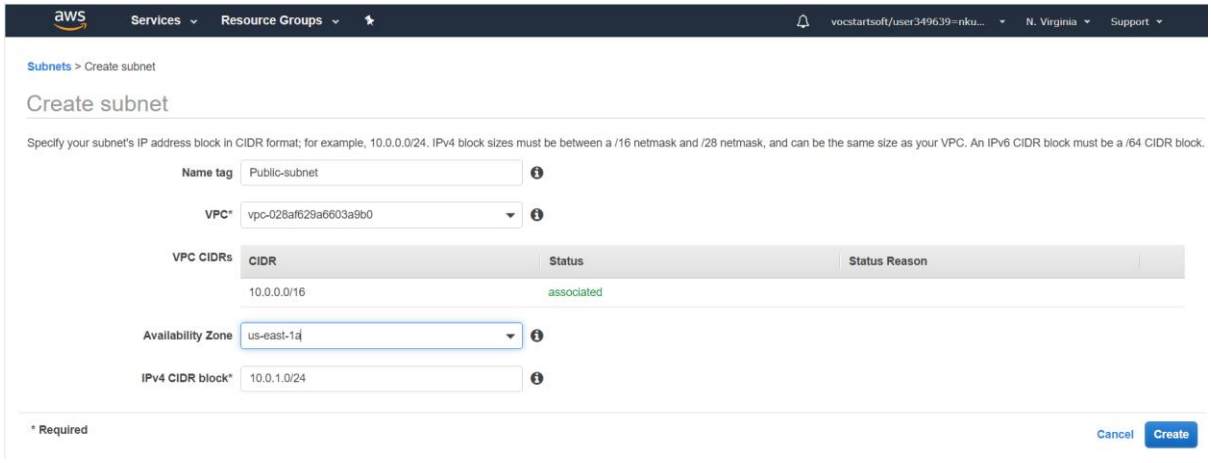
Own Cloud VPC Architecture

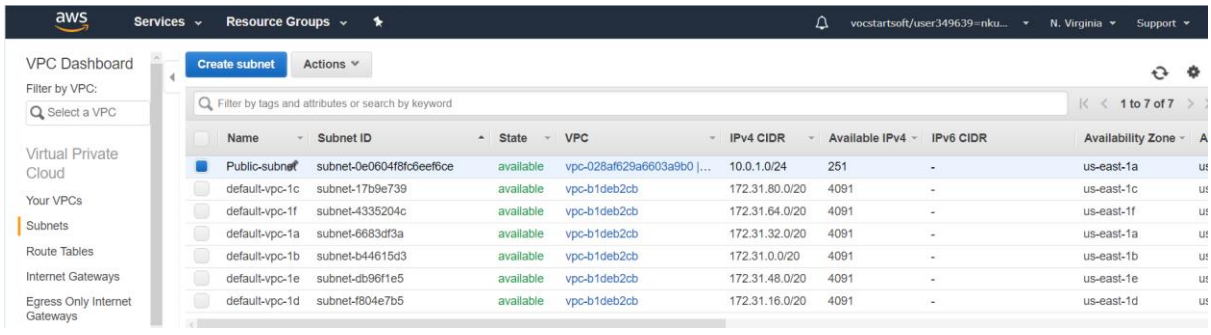


1. Creating a Custom VPC from Services with CIDR block 10.0.0.0/16

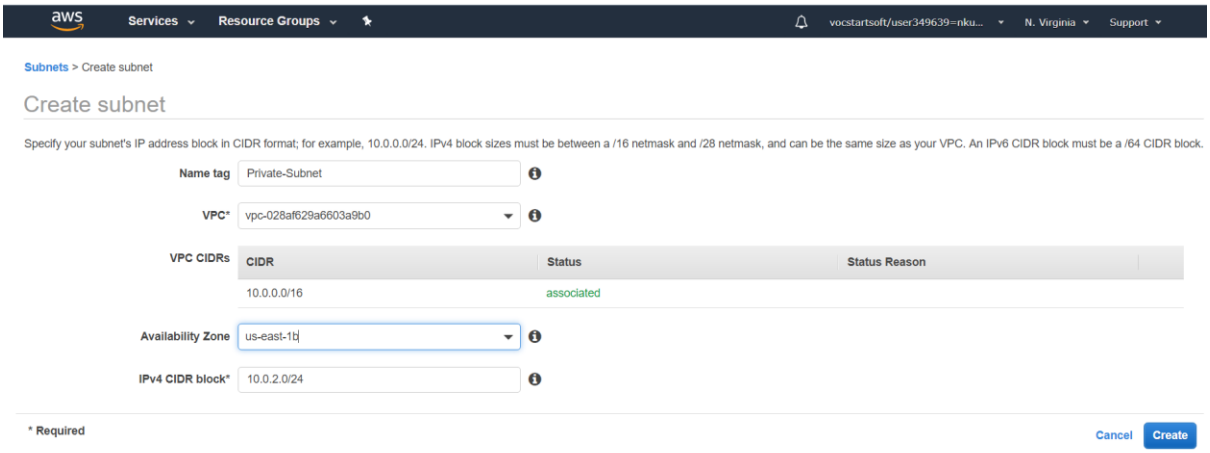


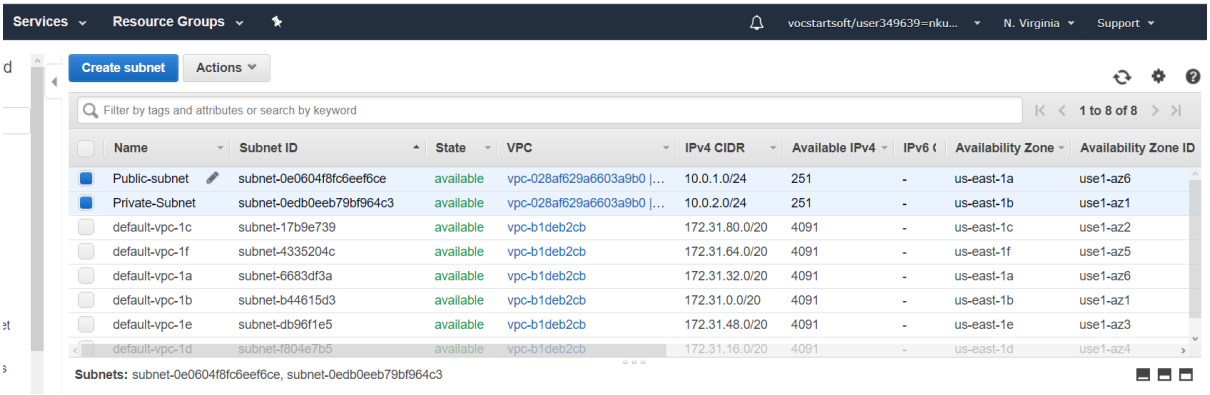
2. Create Public Subnet under Subnet tab with CIDR block 10.0.10./24





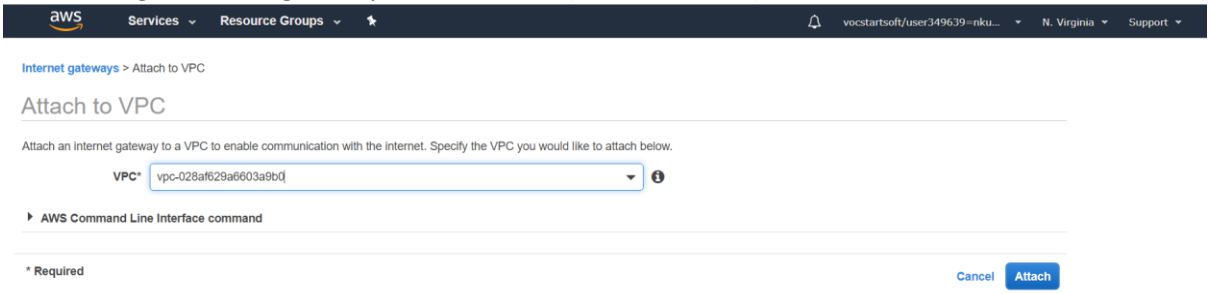
3. Create Private Subnet with CIDR block 10.0.2.0/24

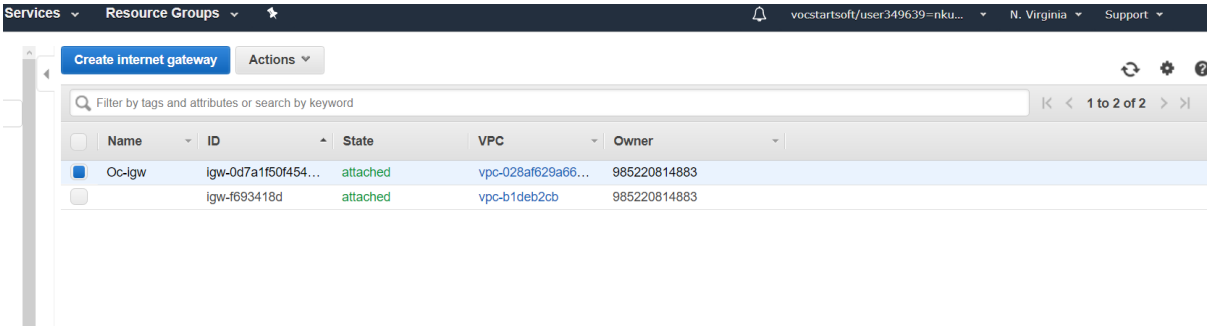




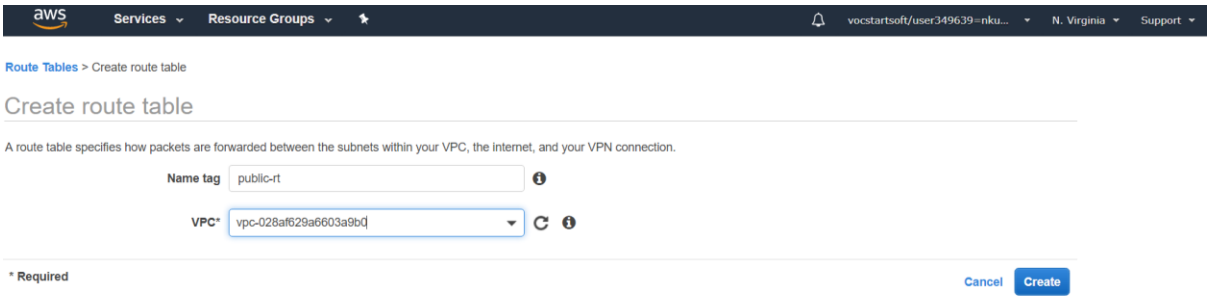
4. Making Public –subnet expose to public by creating an Internet gateway

5. Attach Oc-igw internet gateway to Custom VPC(Owncloud-VPC)

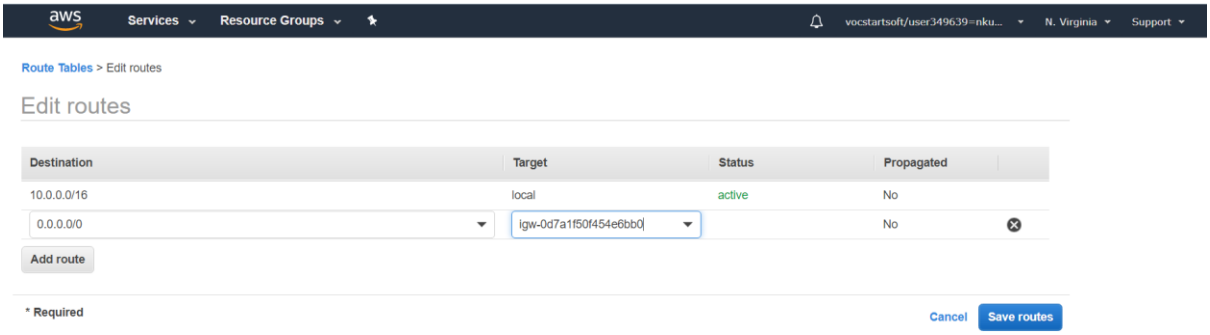


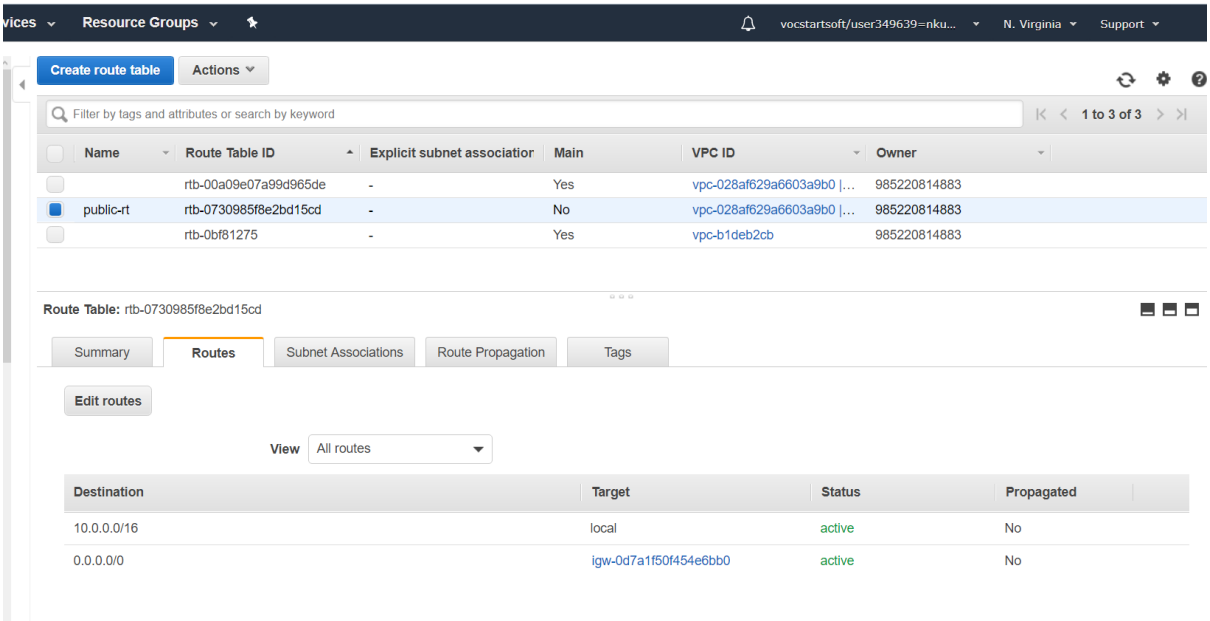


6. Create route table for custom VPC

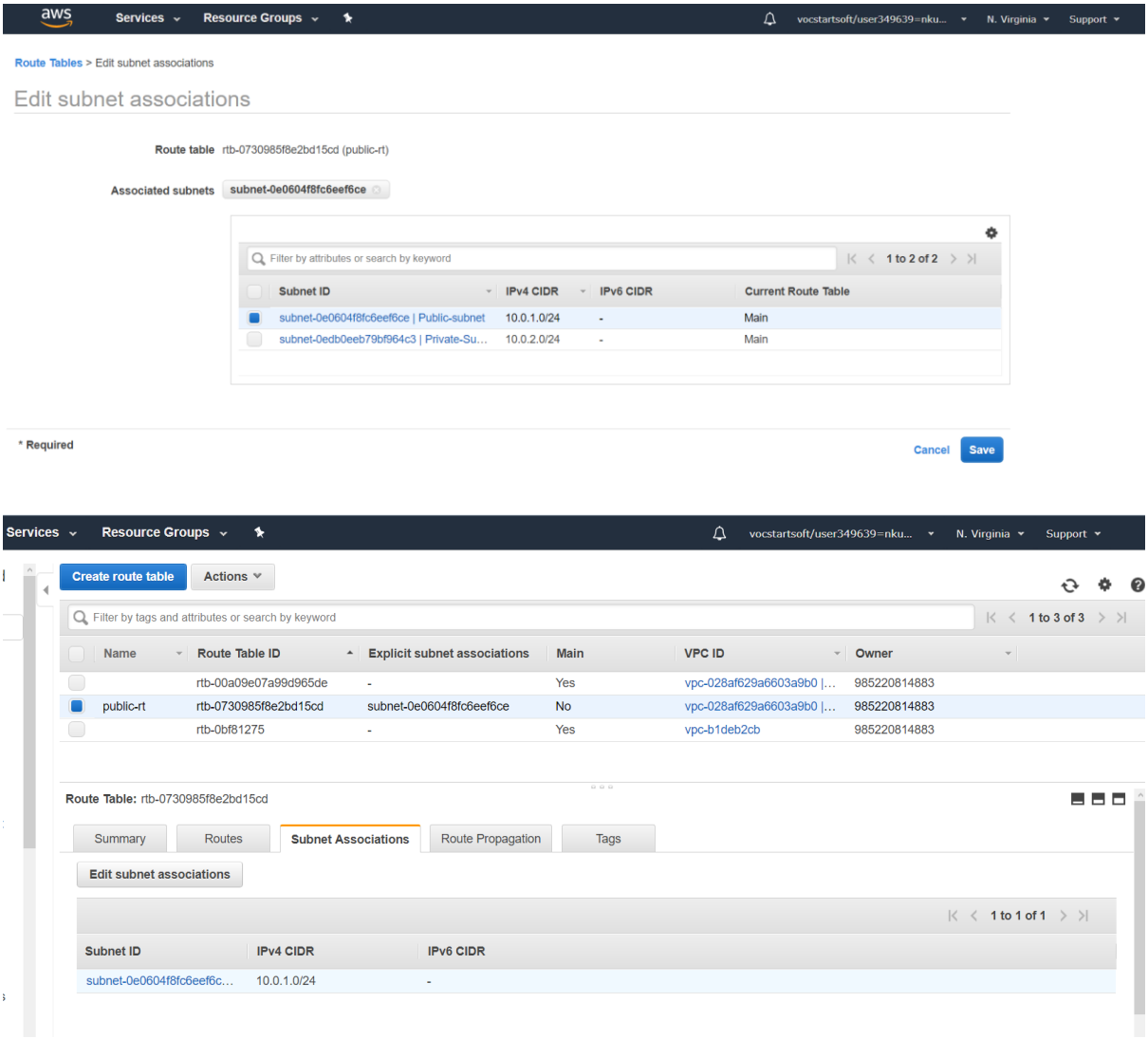


7. Edit the Routes under Route tab

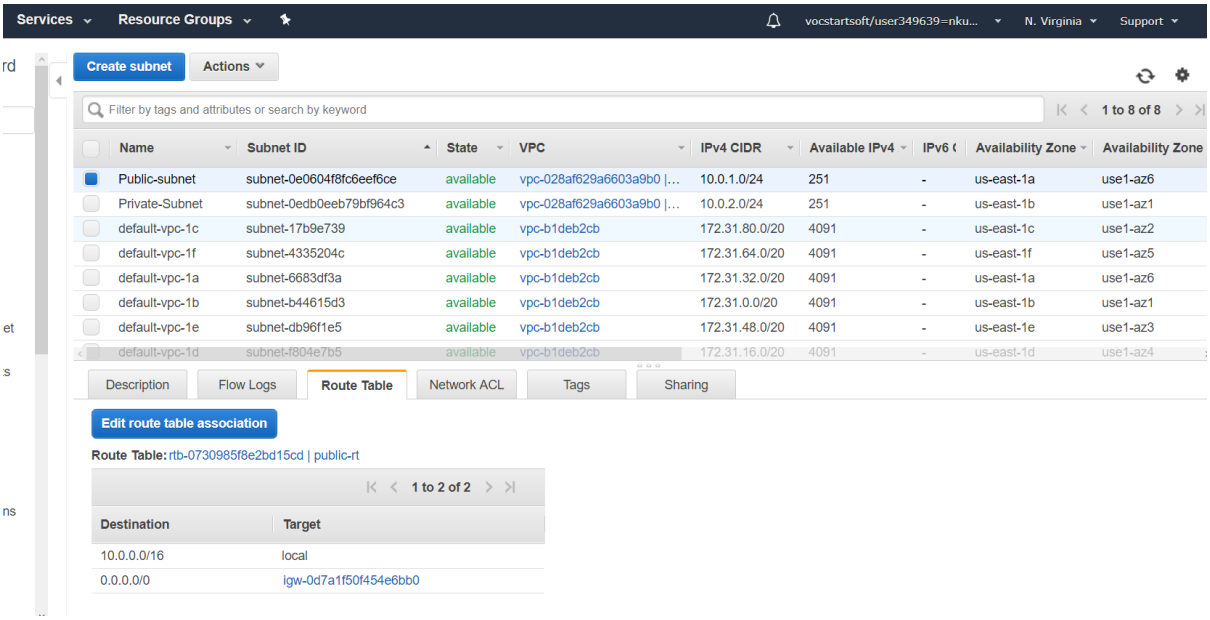




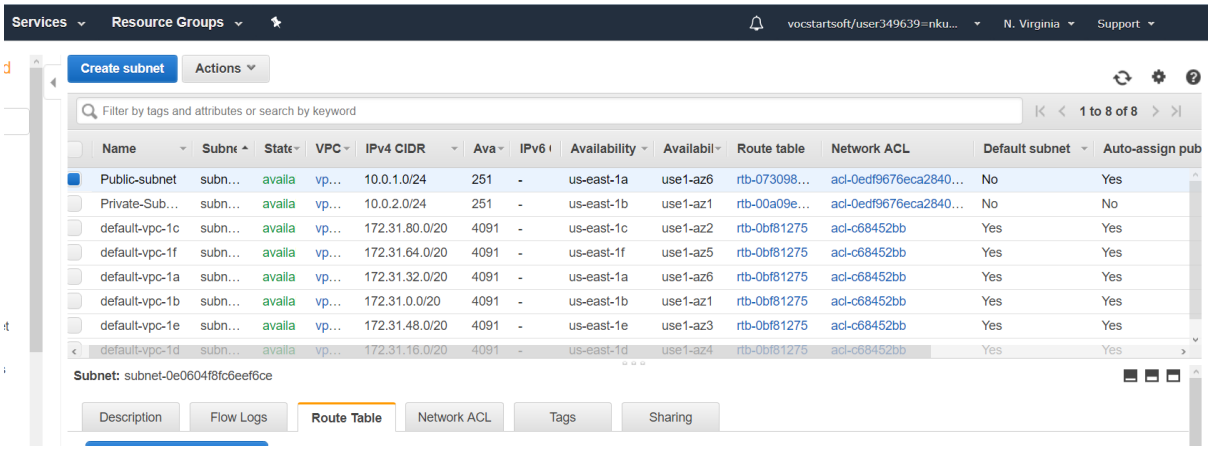
8. Subnet Associations under public-Route Table

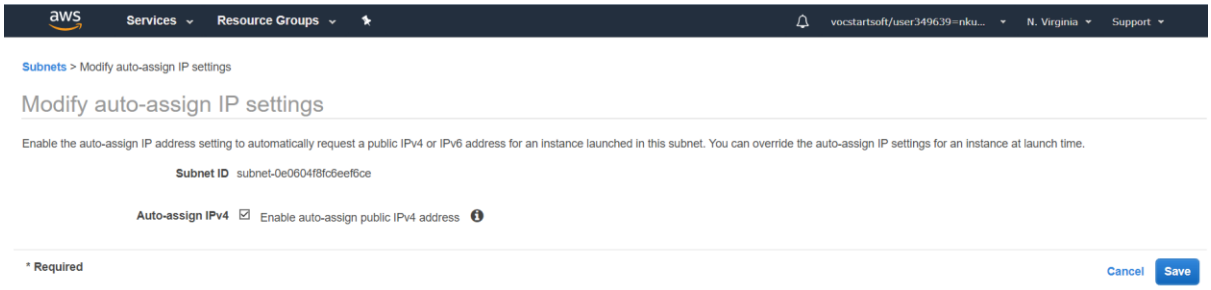


9. Public route table associated with public subnet

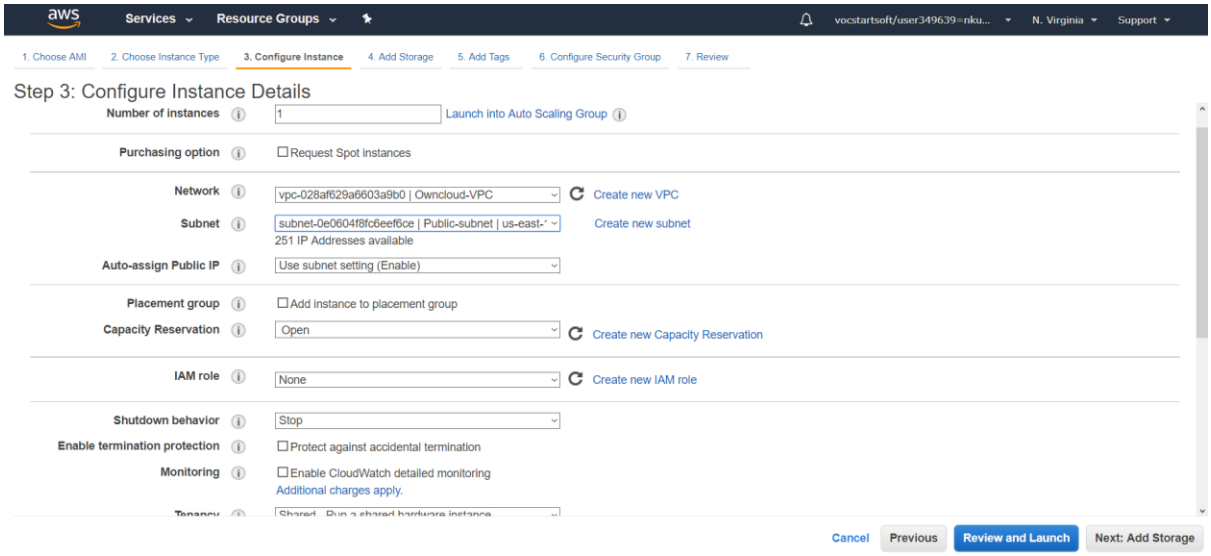


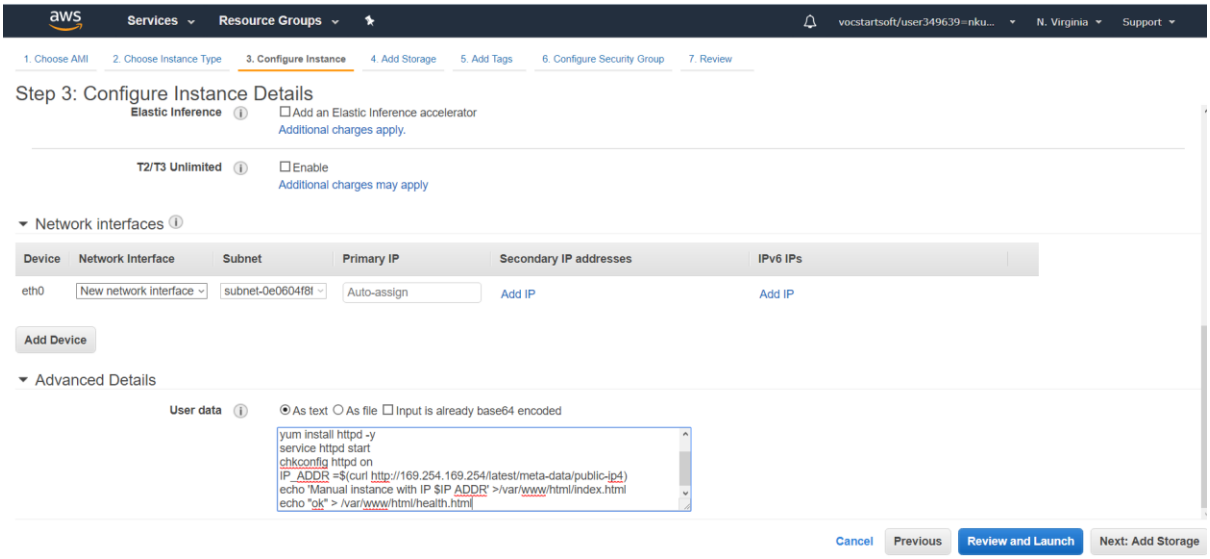
10. Auto Assigning the IP address for Public subnet



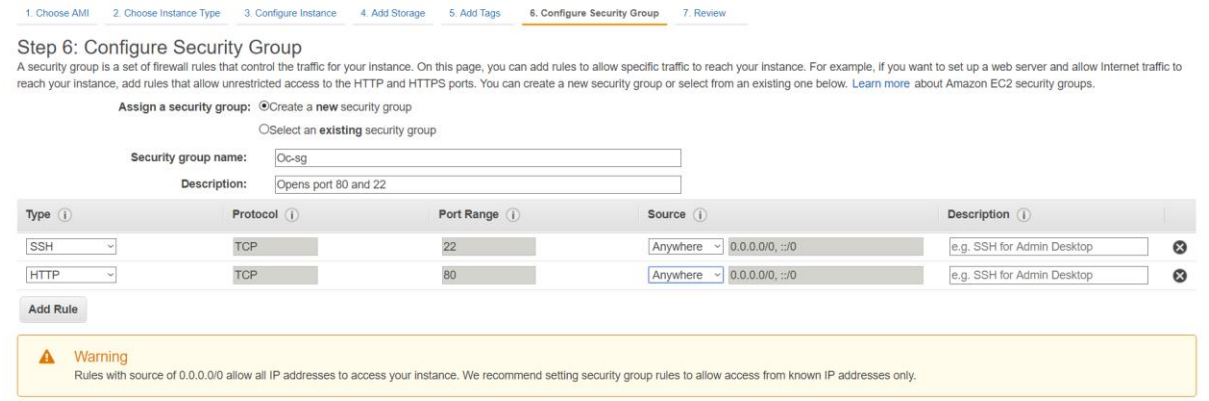


11. Create EC2 instance and choose custom VPC under Network drop down and select public subnet under subnet drop down

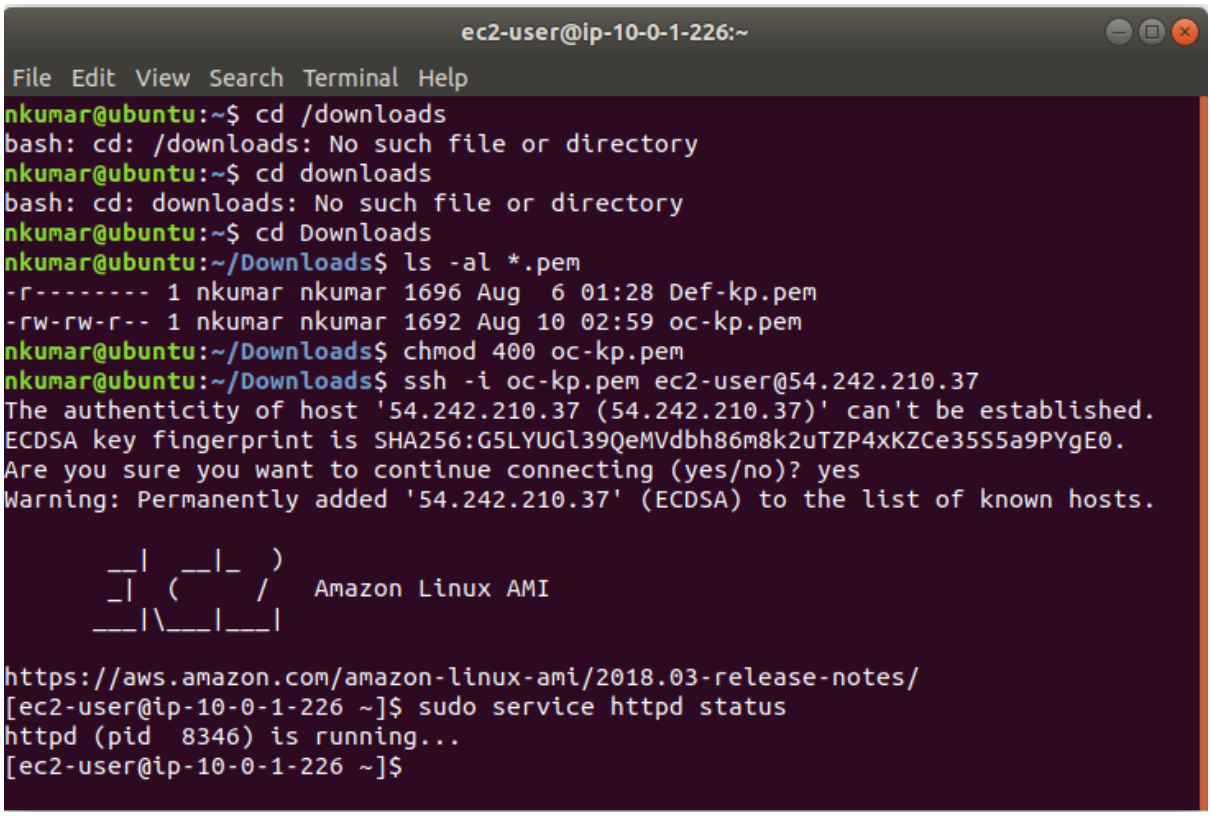




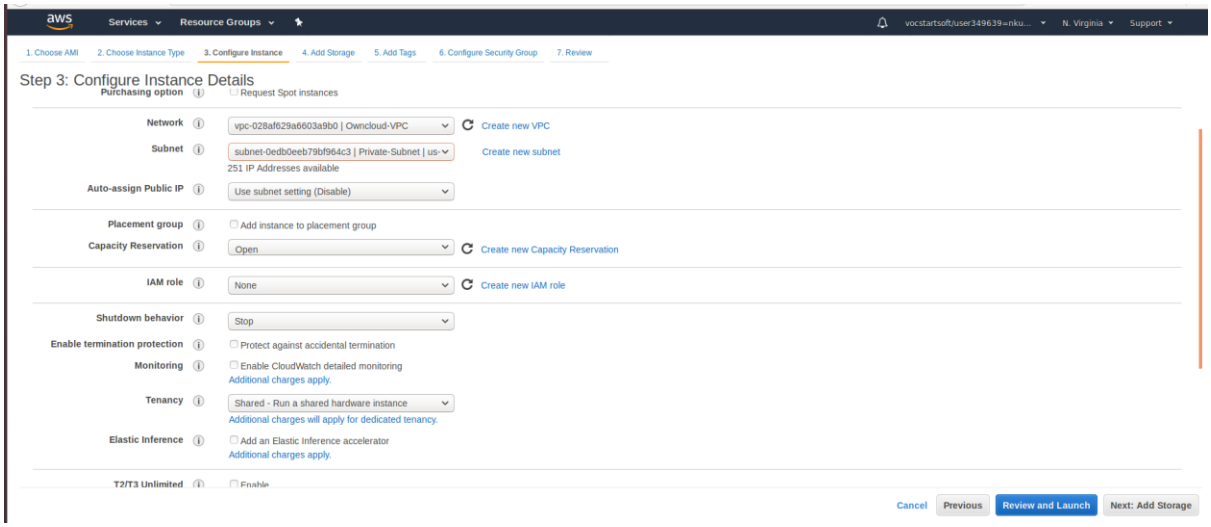
12. Create new security group



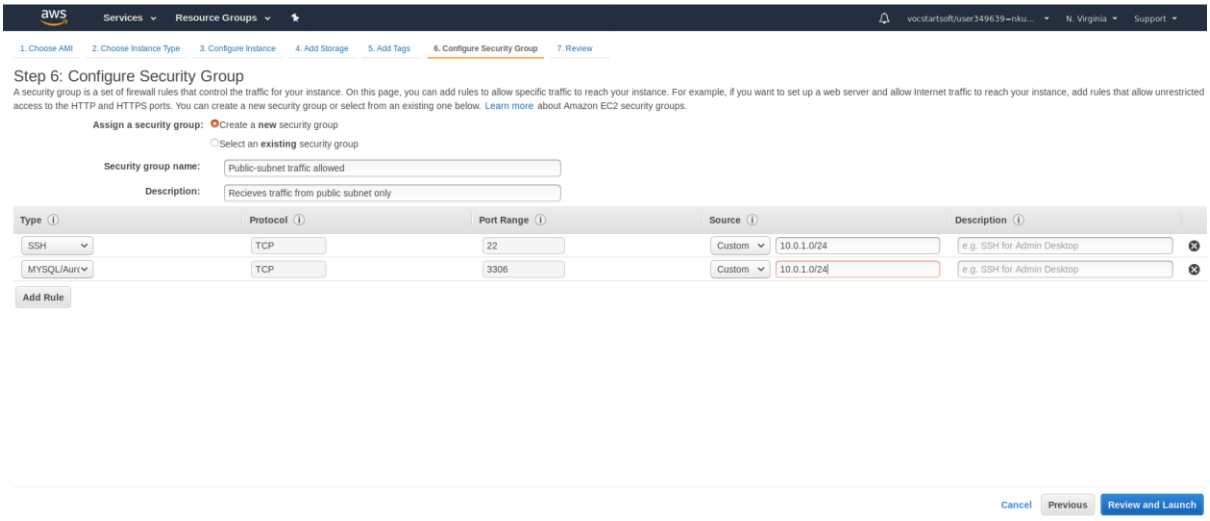
13. SSH the public IP of EC2 from Terminal and check the Httpd service status



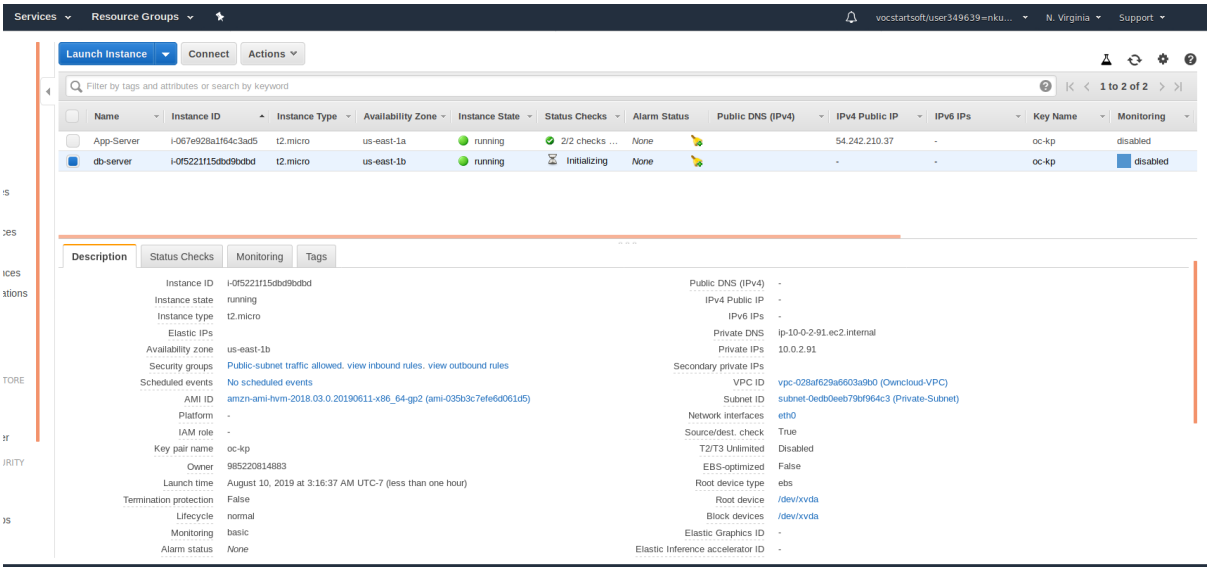
14. Create another EC2 instance in prove subnet and custom VPC



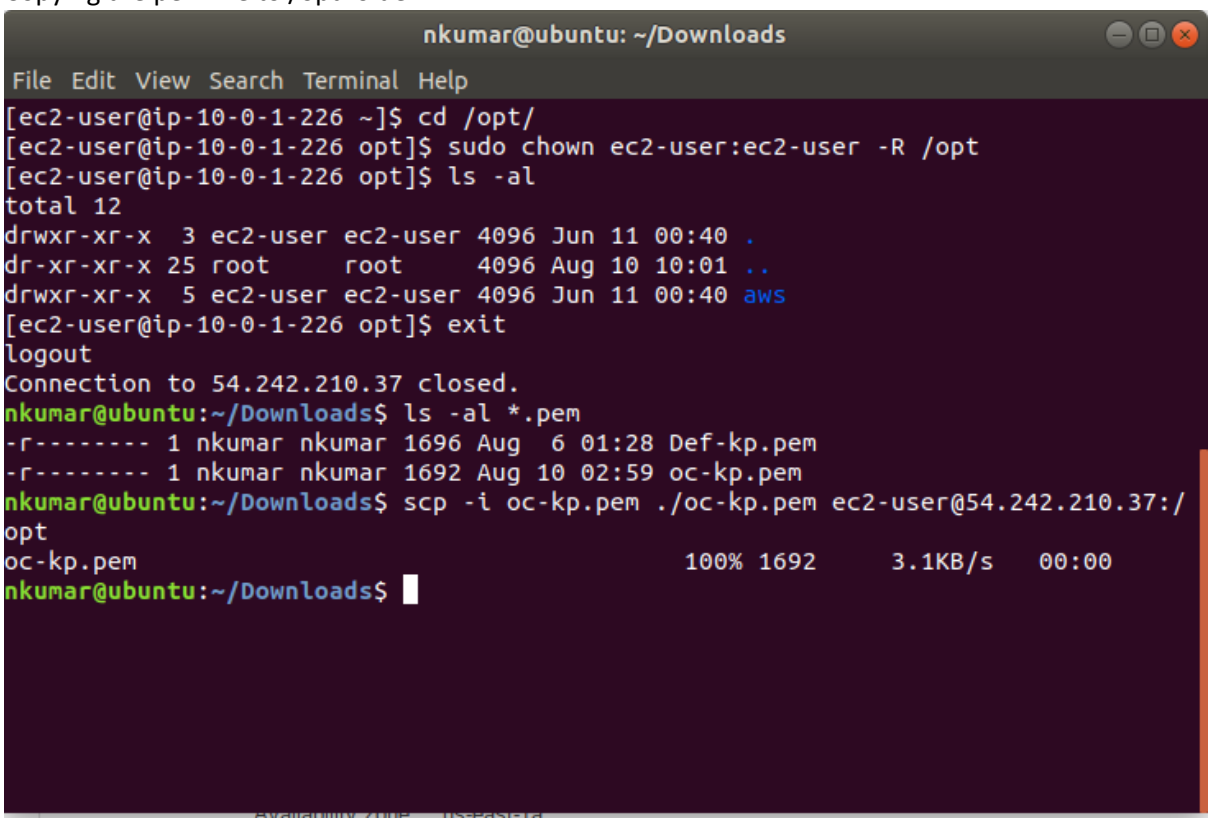
15. Create security group to allow traffic from public subnet as below



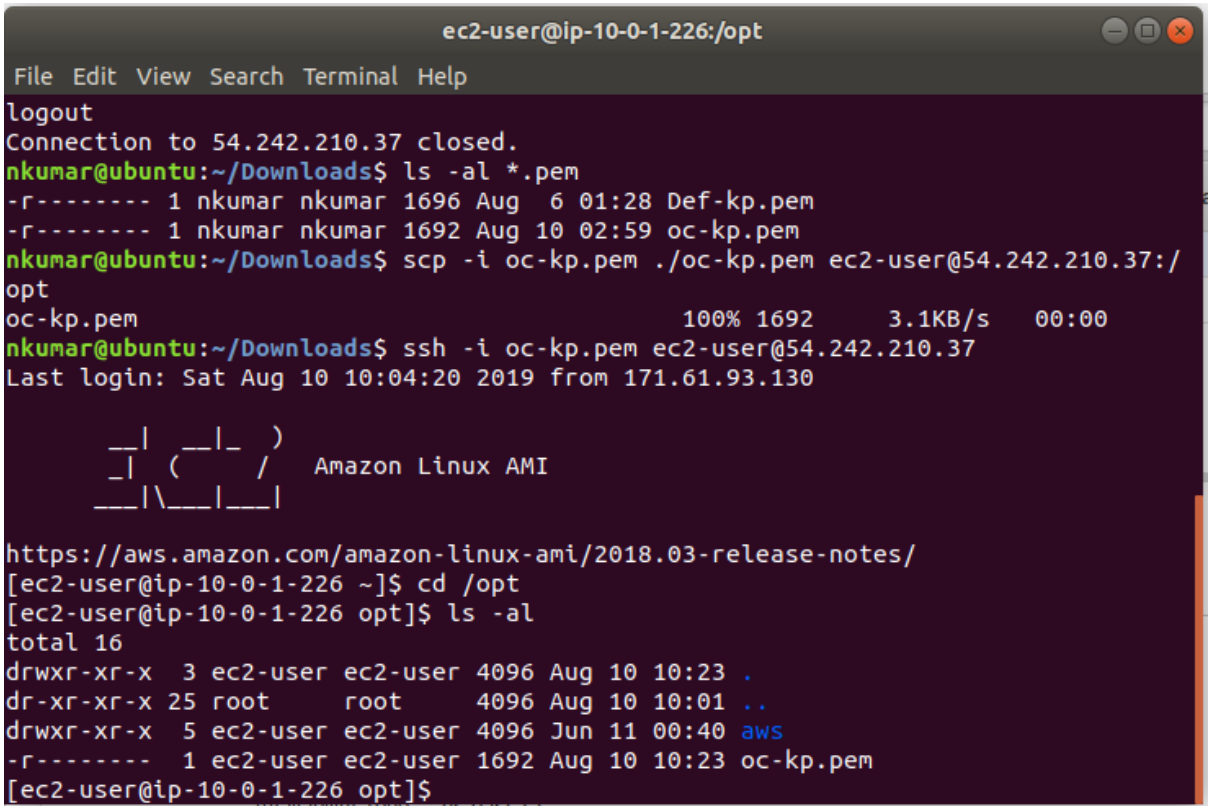
16. DB-server EC2 Summary



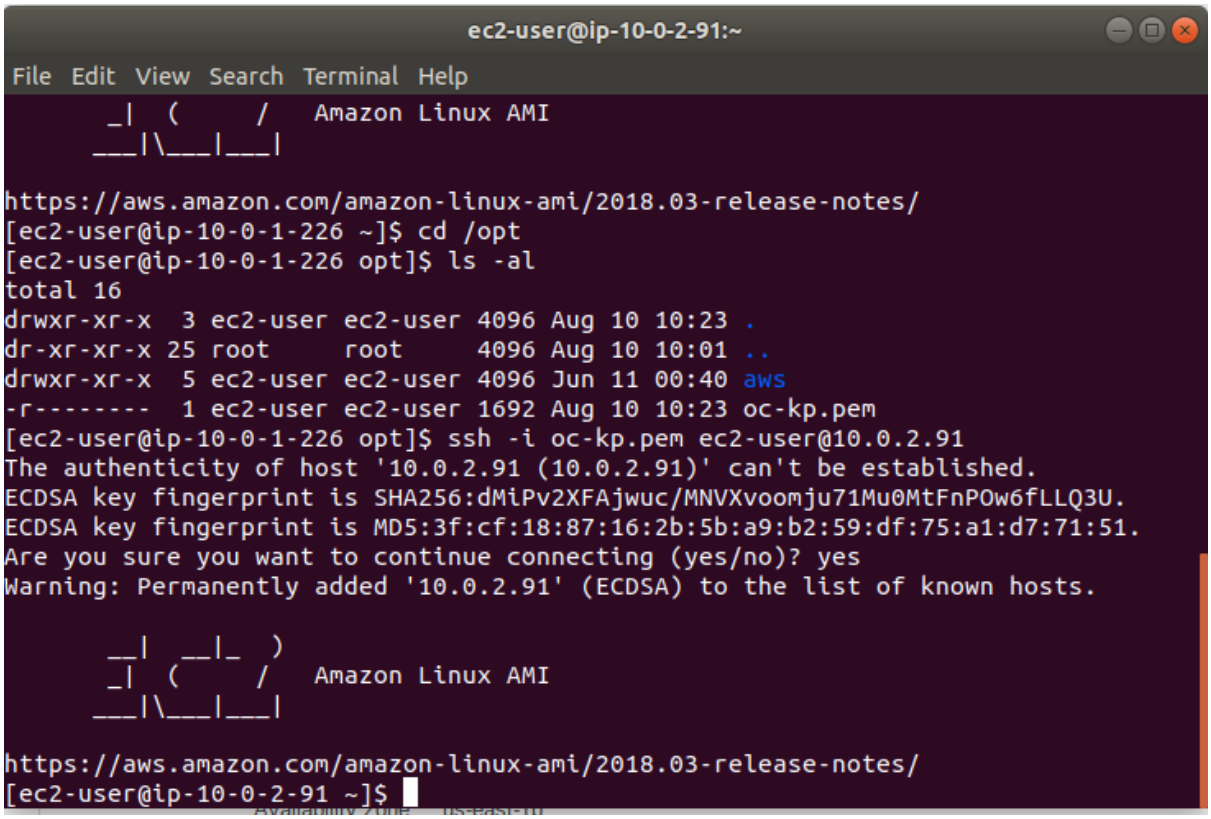
17. Copying the pem file to /opt folder



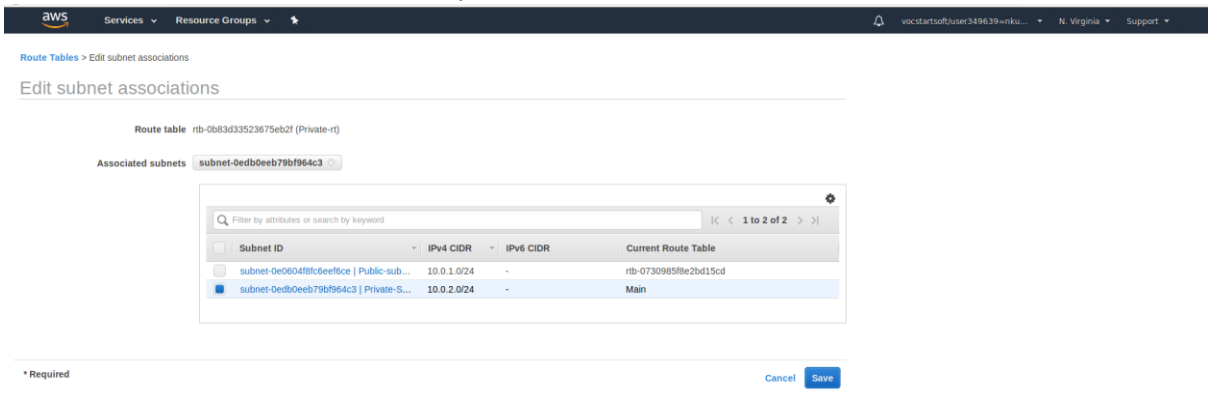
18. SSH using public ip



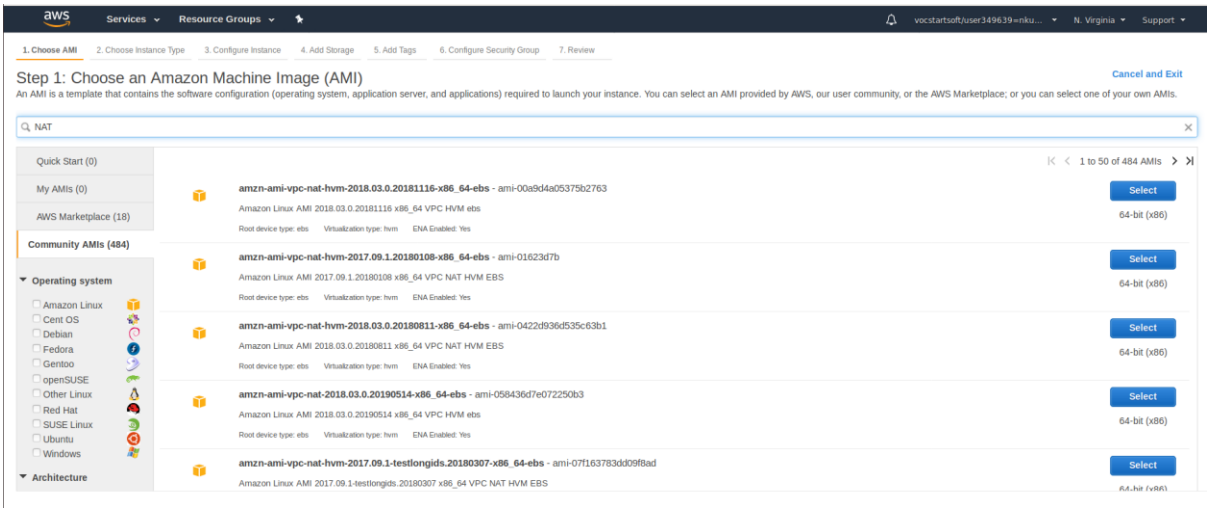
19. SSH using private ip

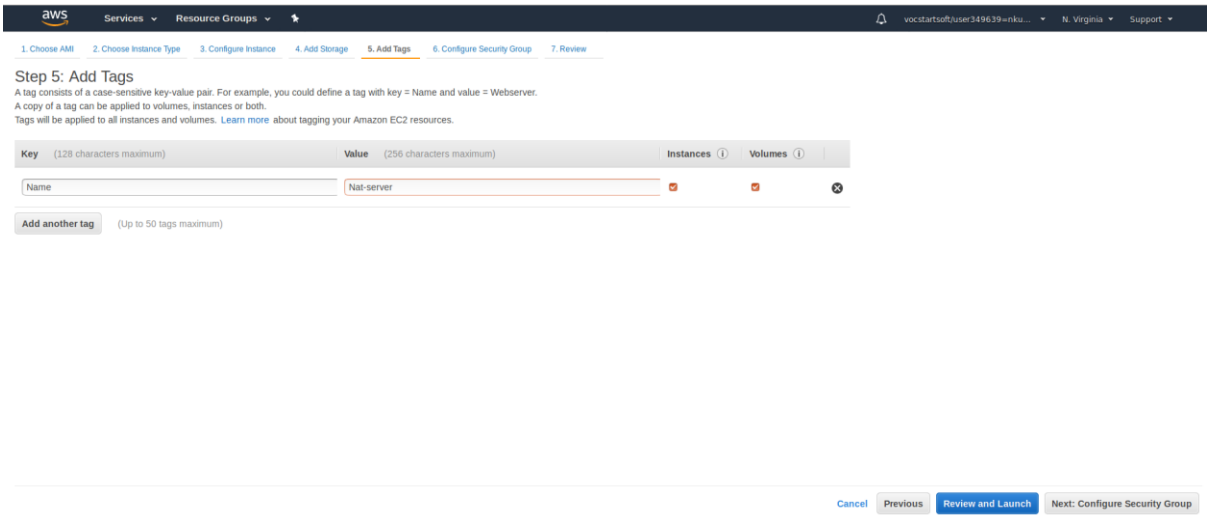


20. Create Route table and associate it to private subnet

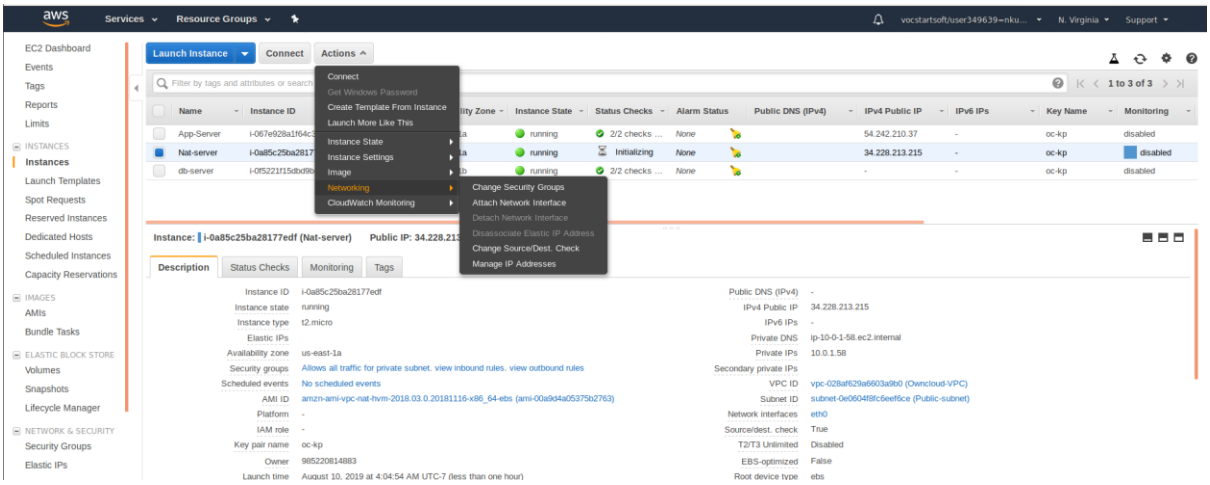


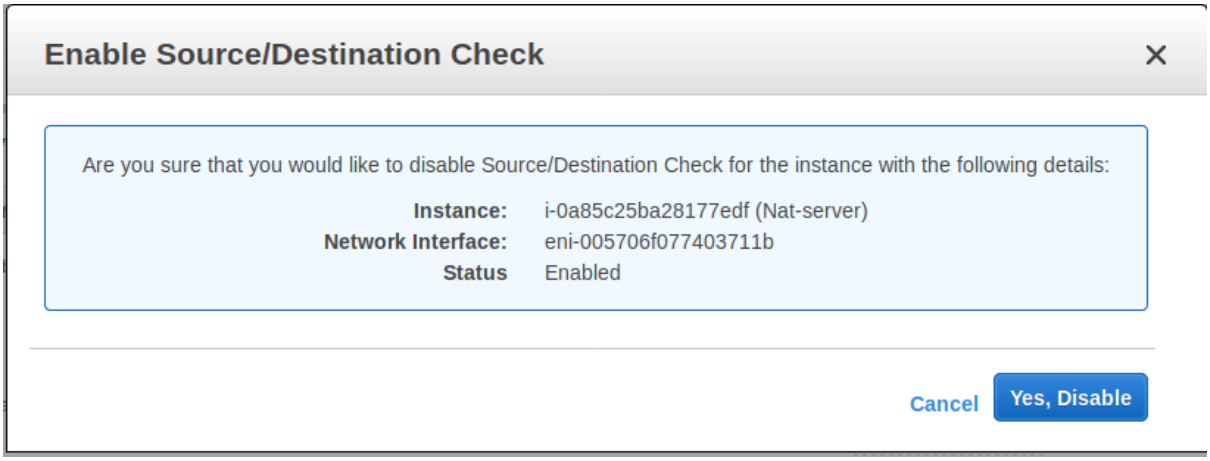
21. Search for NAT instance from community AMI's



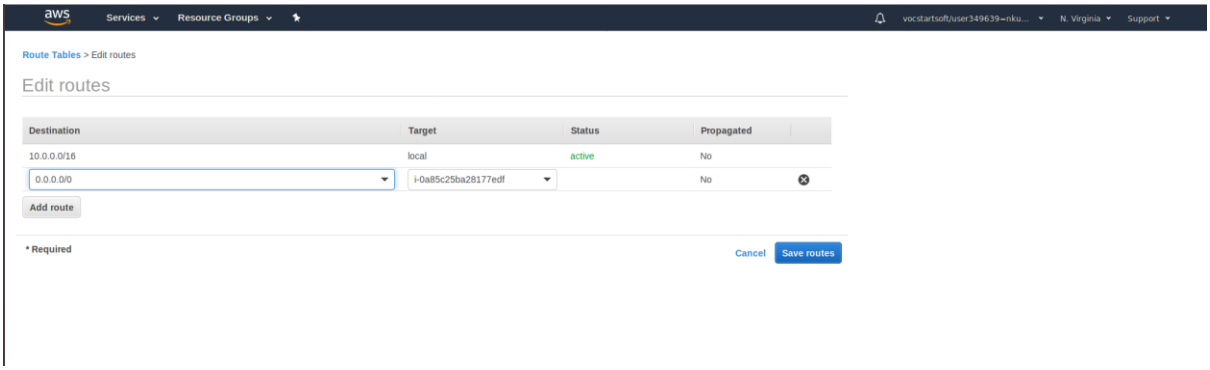


22. Change the Source/destination check for NAT instance to disable

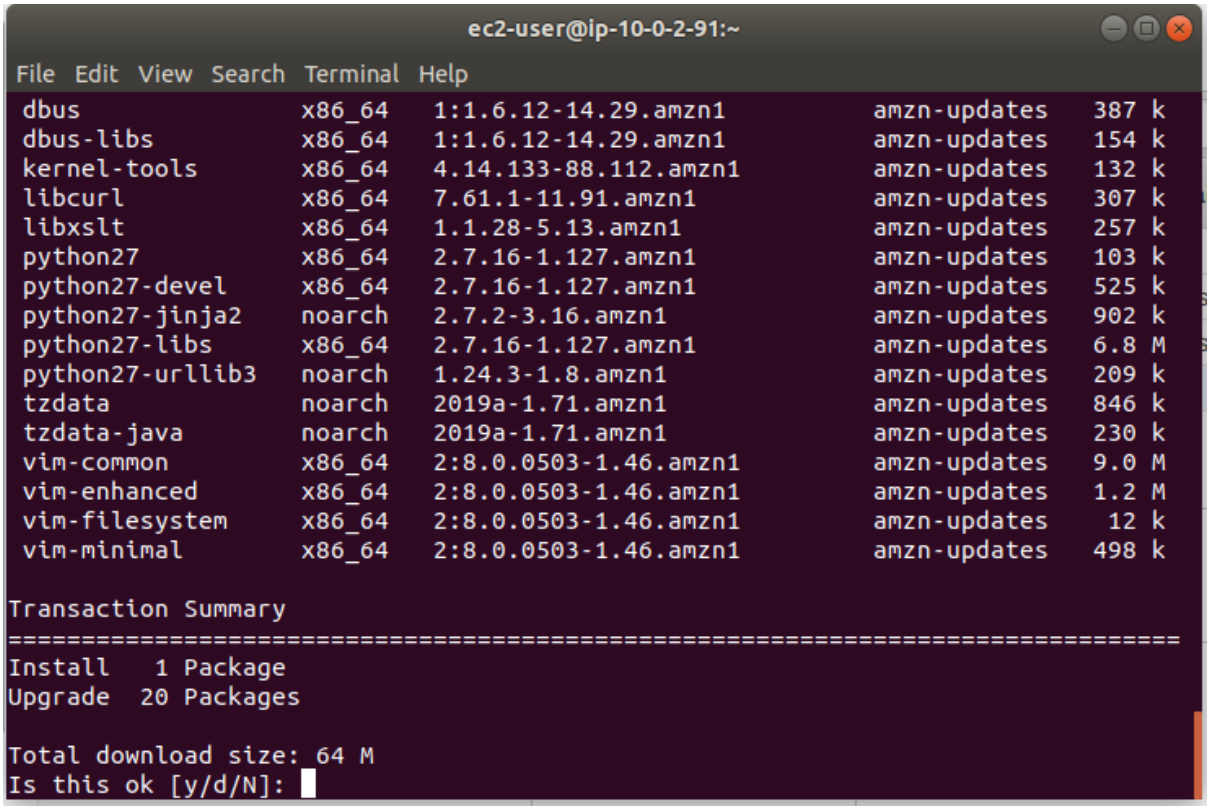


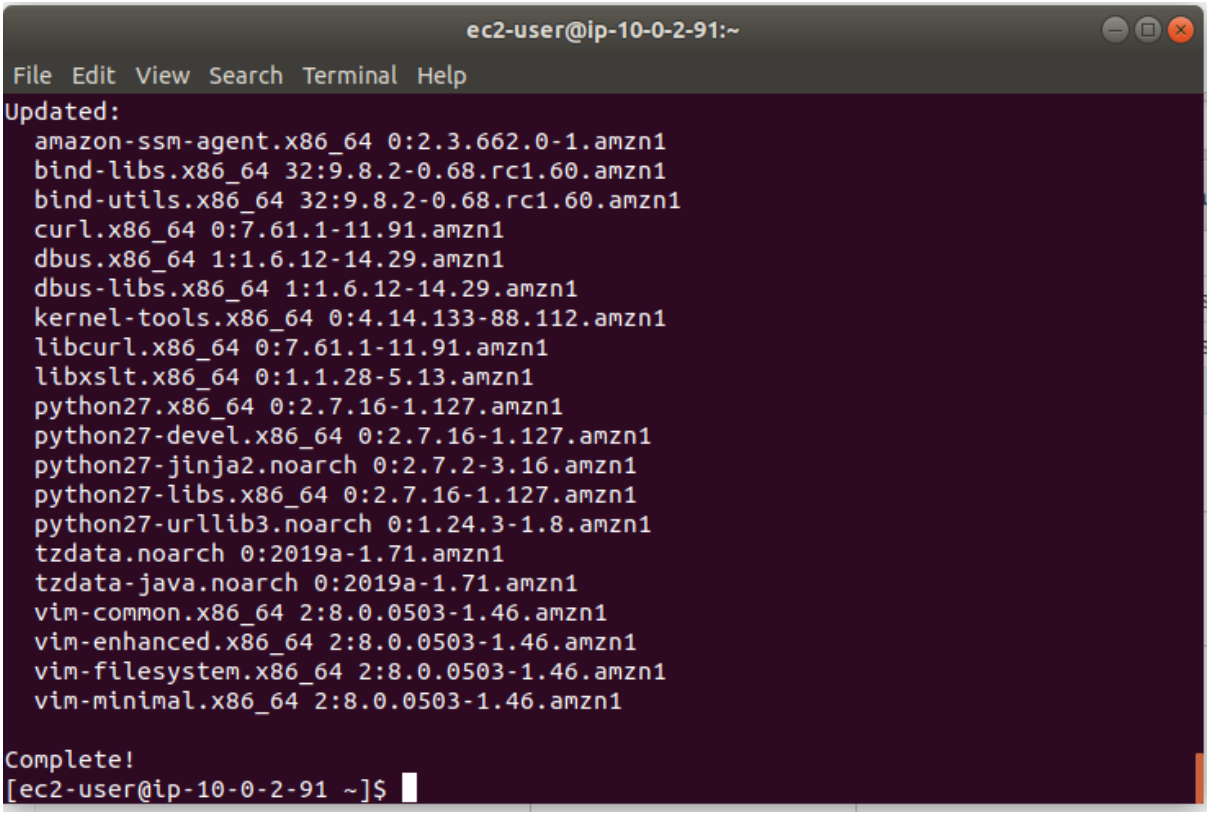


23. Add route in private subnet and associate NAT instance in Target as below

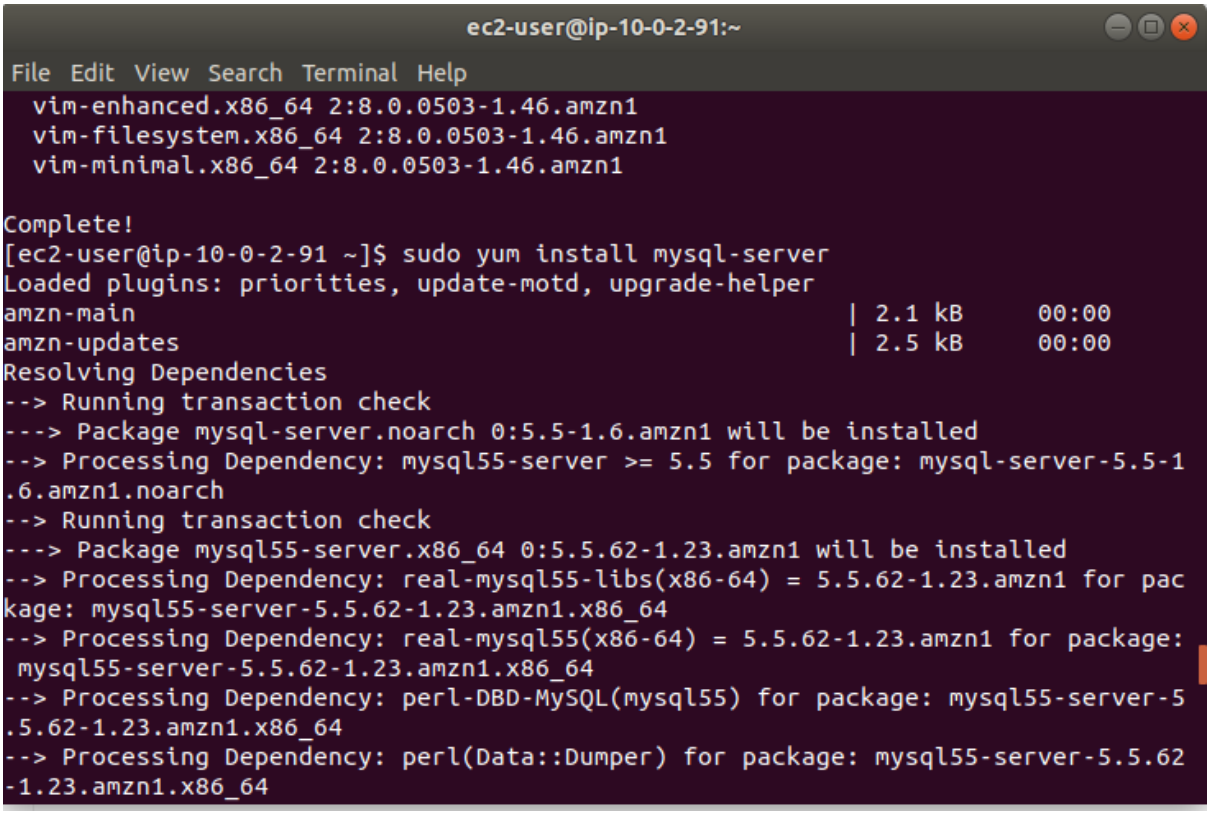


24. From private instance we are able to update by connecting to internet

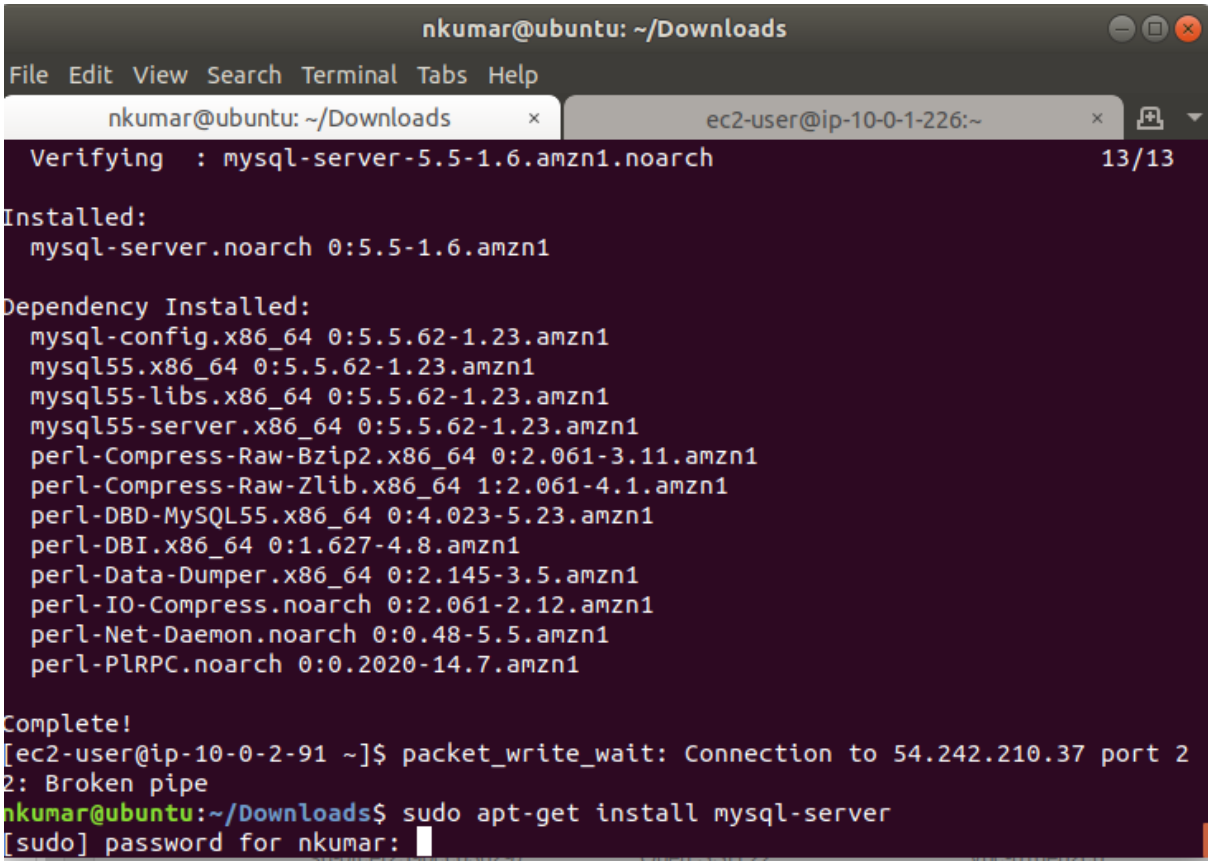




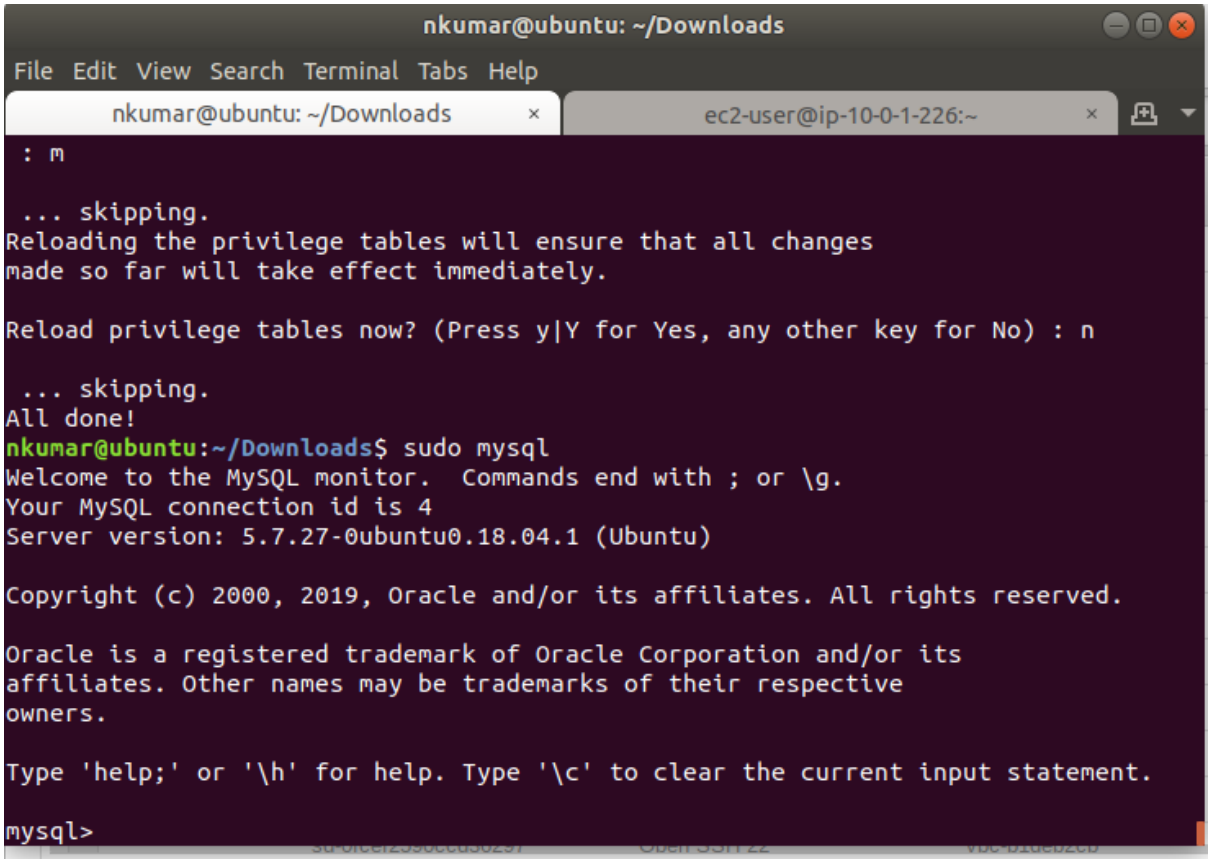
25. Install Mysql-server



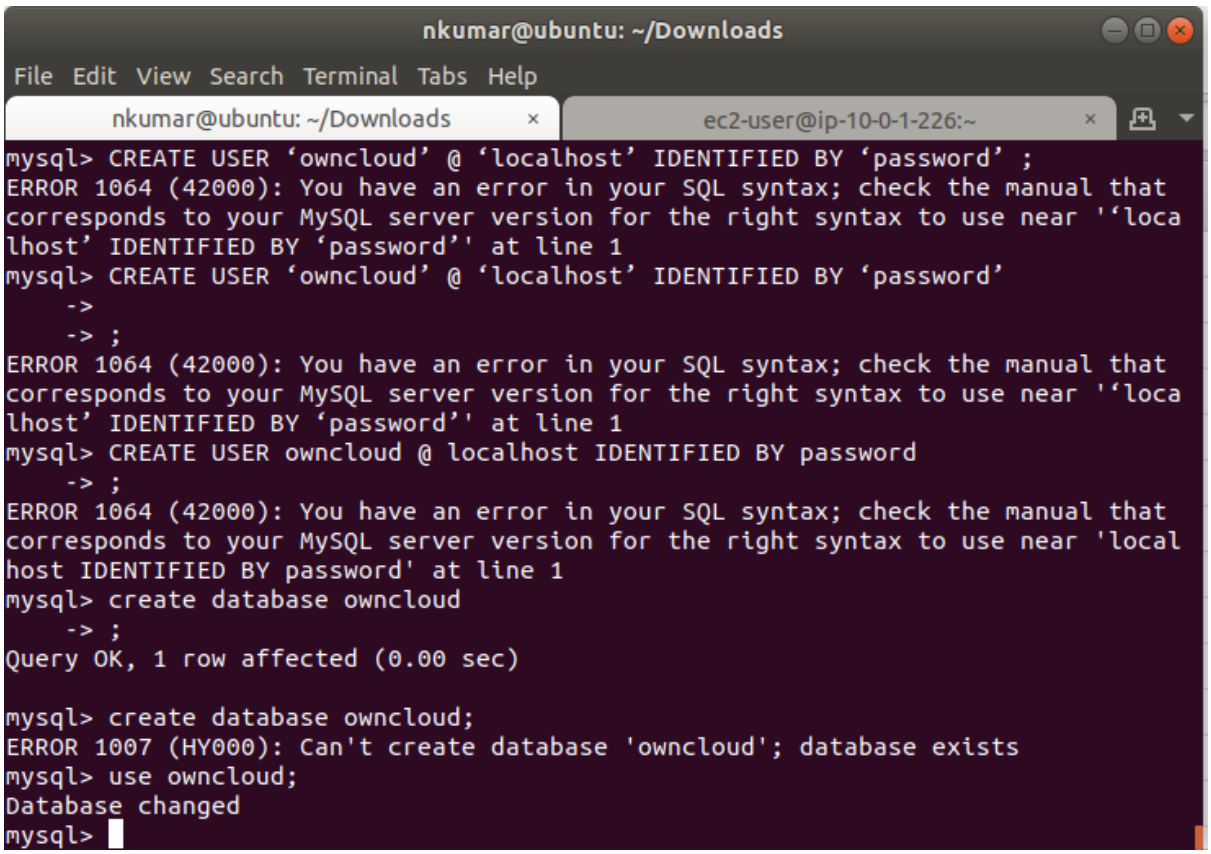
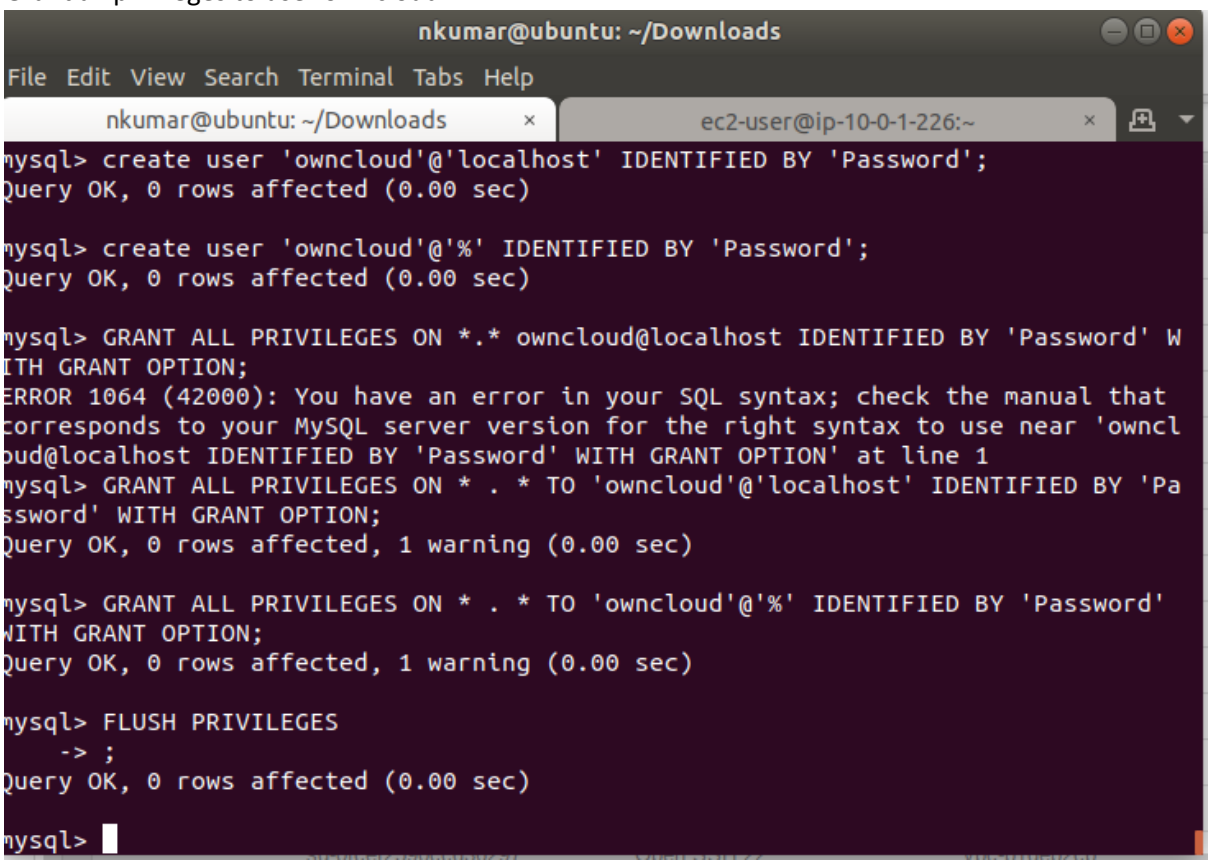
26. Install mysql-server



27. Open Mysql terminal



28. Create new DB and use Owncloud database



29. Grant all privileges to user owncloud