CLOUD COMPUTING ASSIGNMENT 1

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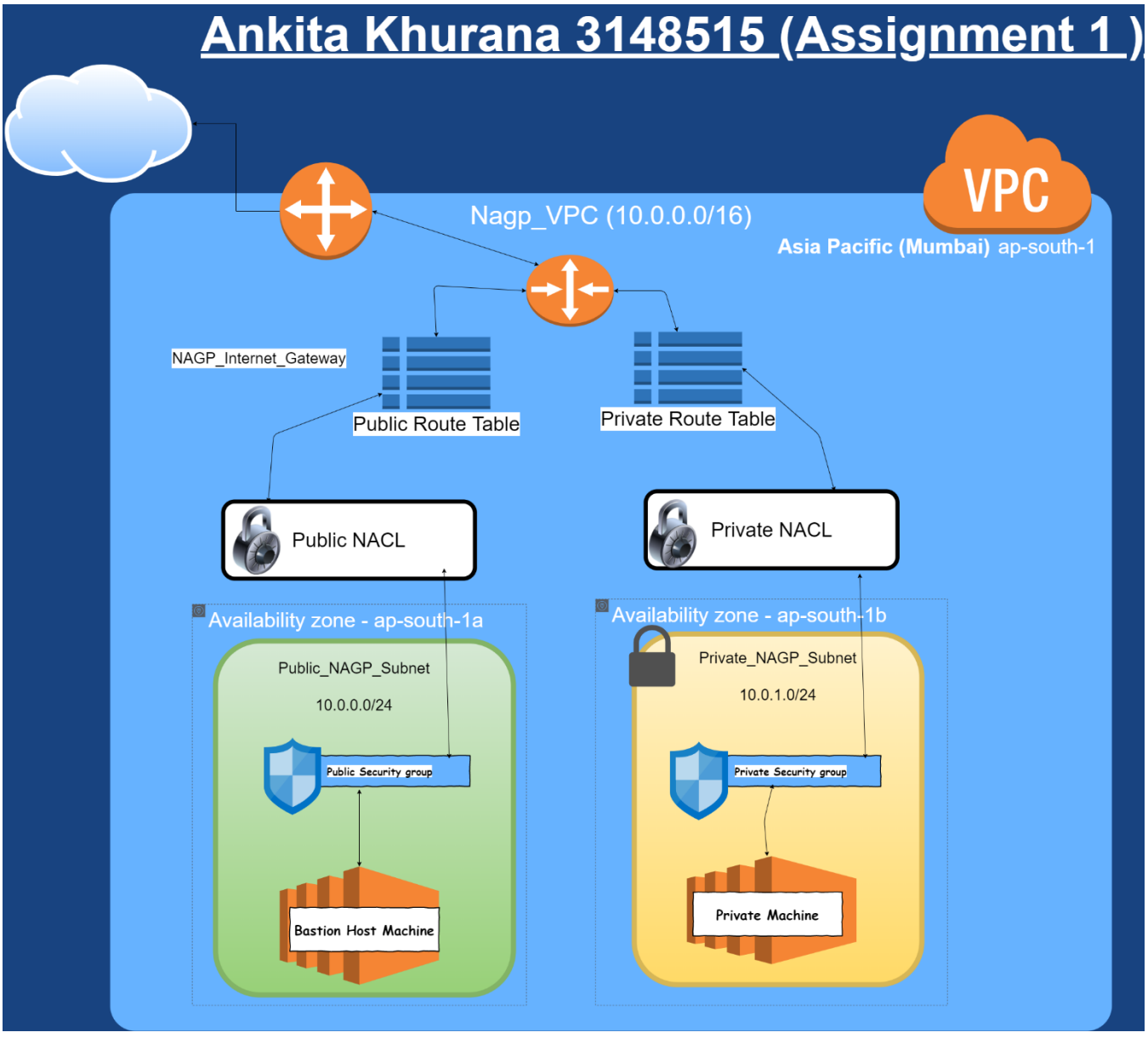
Note:

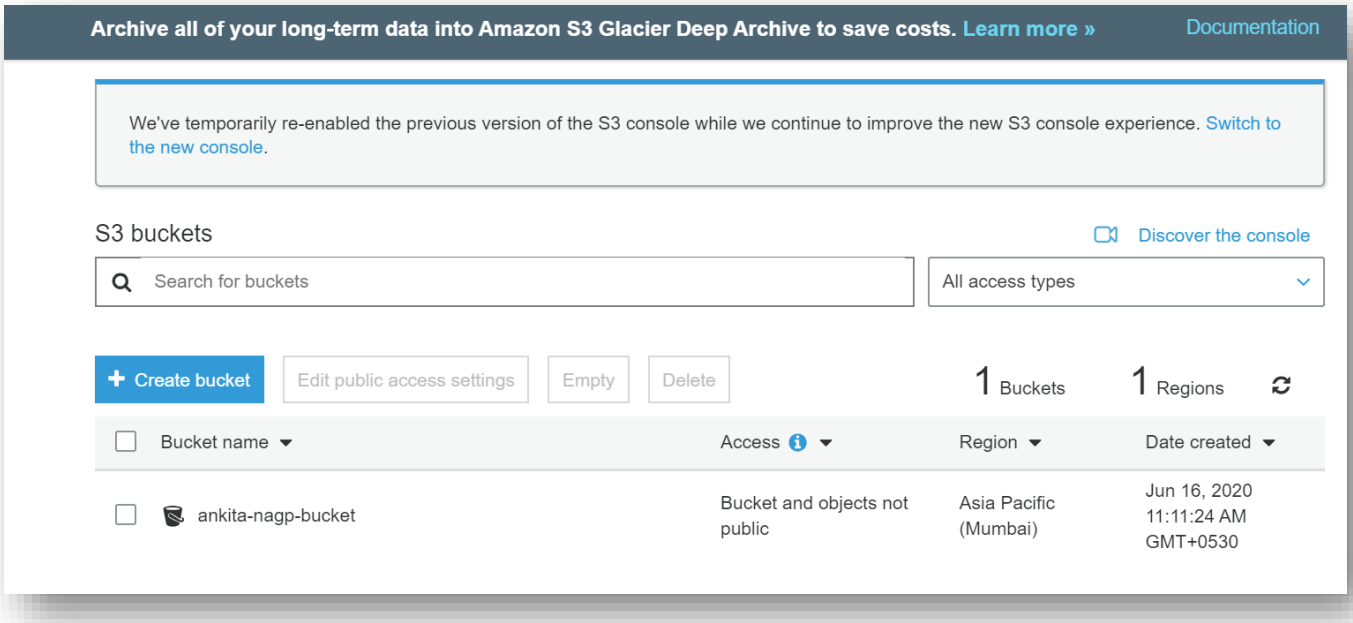
1. **As mentioned in the group (No NAT Gateway/Instance) is supposed to be added to the architecture, hence only one Public subnet is made for the Bastion Host. And one private subnet for the private machine.**
2. **S3 Bucket was not added to any Subnet from CLI, hence not included in the architecture provided.**



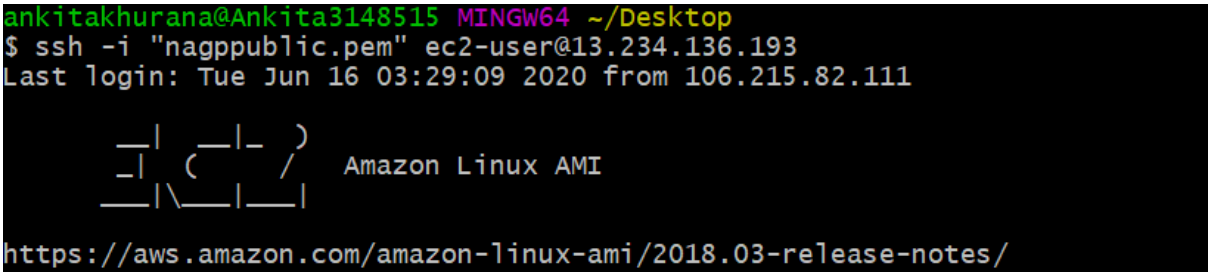
Architecture

RESOURCES AND SERVICES used till date for XYZ project

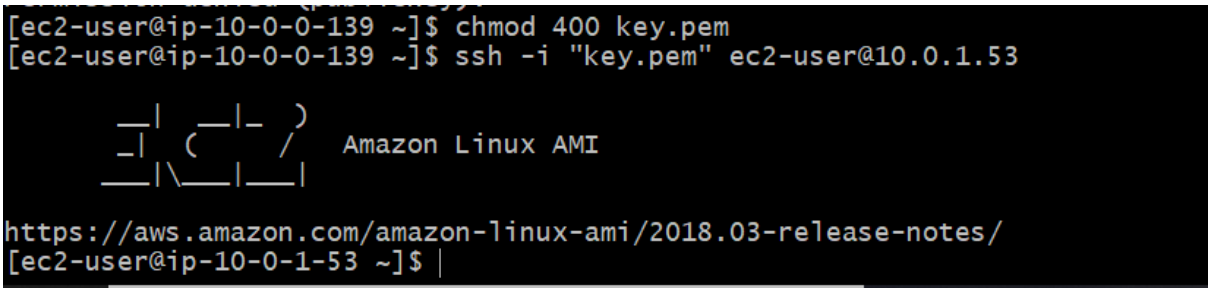
1. S3 Buckets list



2. EC2 Machines : (Bastion host on Public subnet + Private Ec2 on private subnet)
   a. Logging into Public Bastion Host

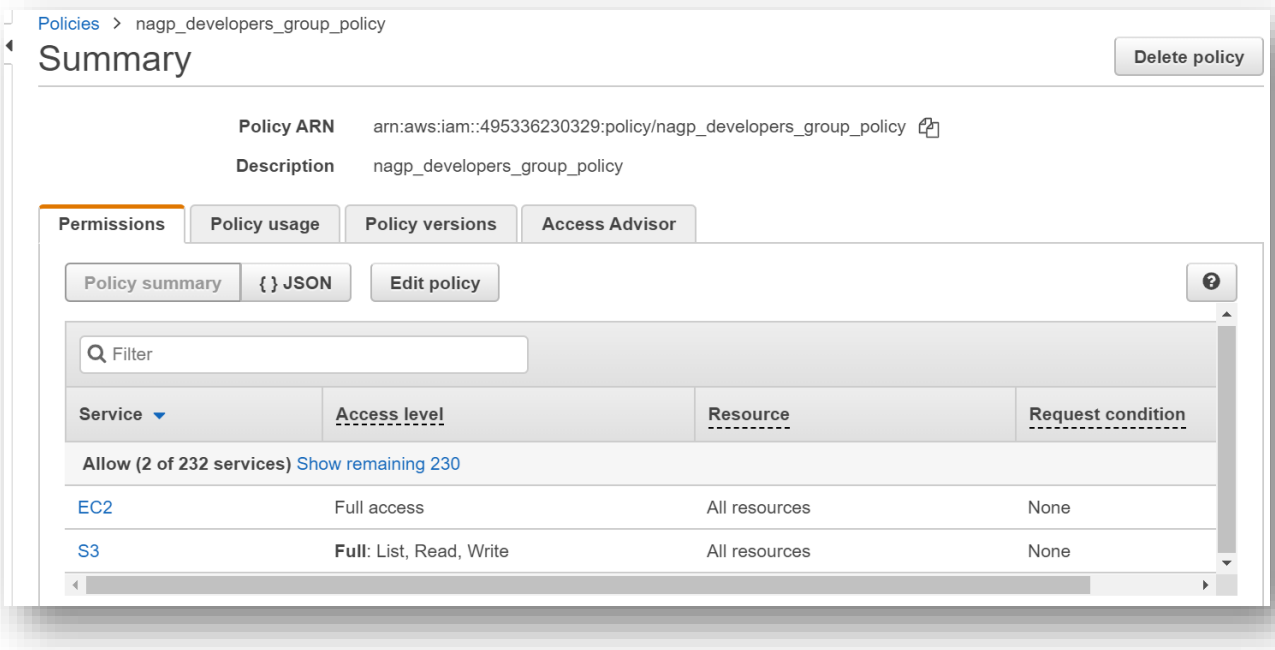


   b.Logging into Private Machine from Bastion Host

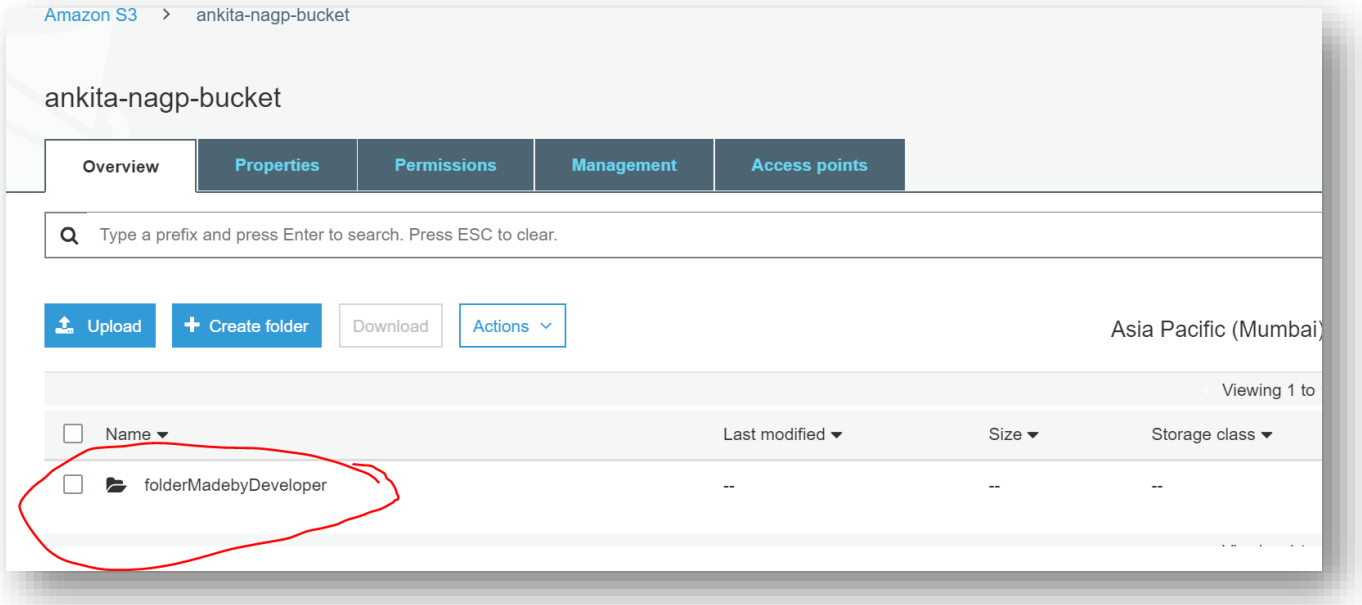


POLICIES

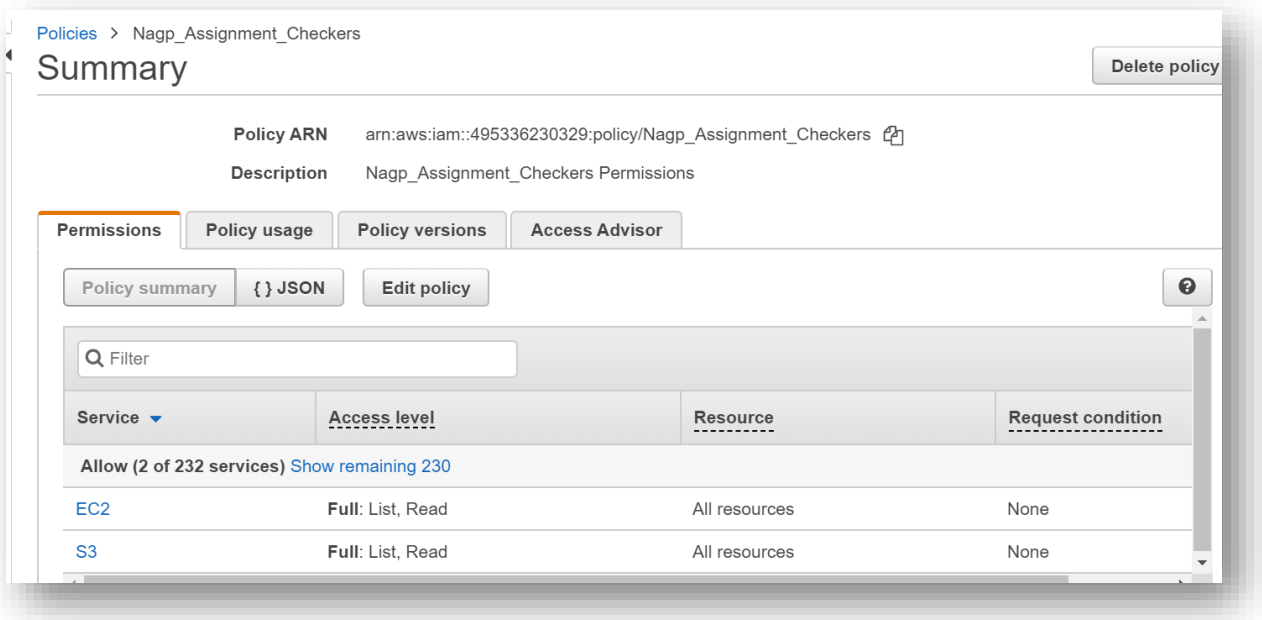
1. Policy for DEVELOPERS (R/W on S3 Buckets + Full access (Create etc) on EC2)



Example: On logging from a user in developer group (Writing in Bucket)

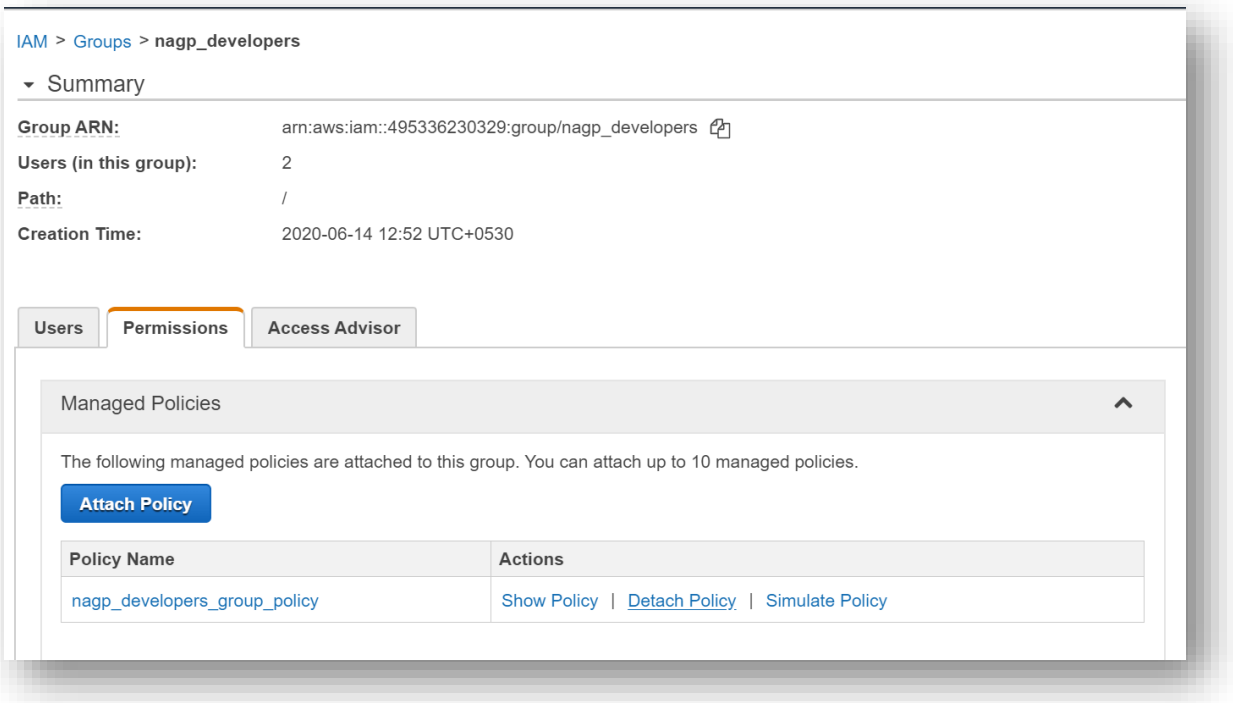


2. Policy for roles/users who wants to have min permissions (Assignment checkers)



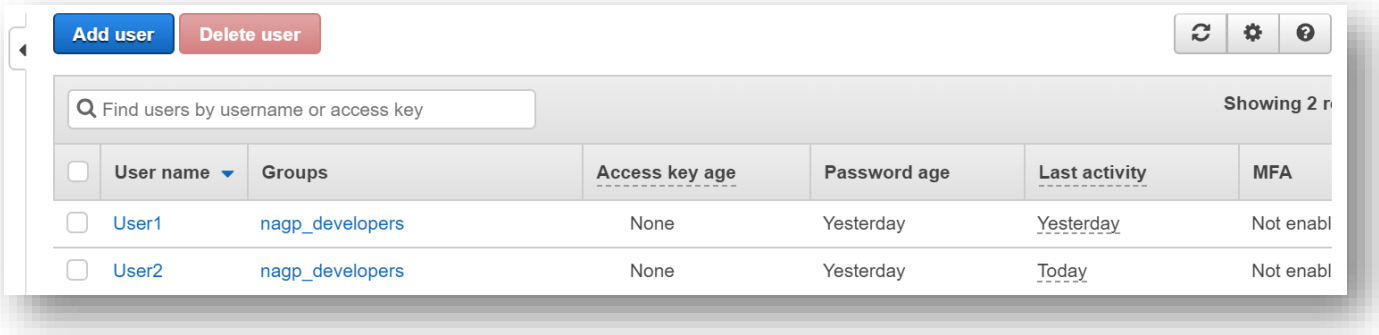
GROUPS

1. Developer group (For giving access to Services for development, two users made under this group)

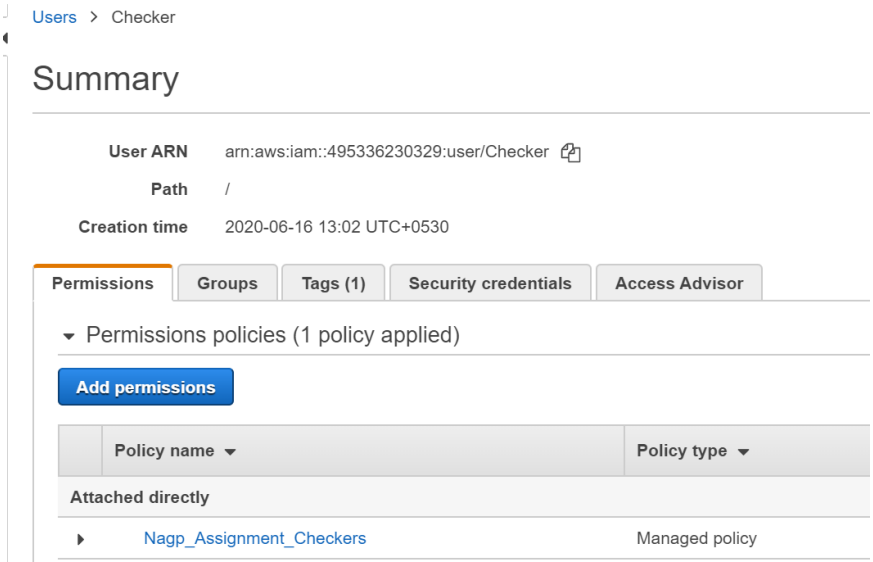


USERS

1. Developers user accounts made for the development team

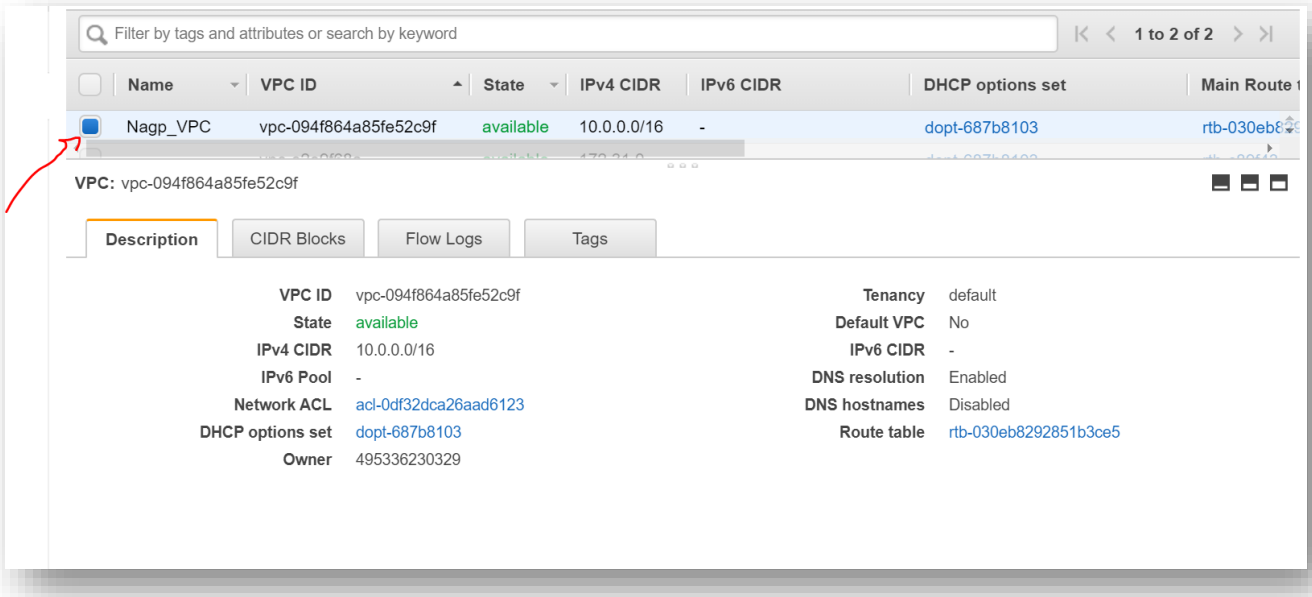


1. Single checker user account made for temp access

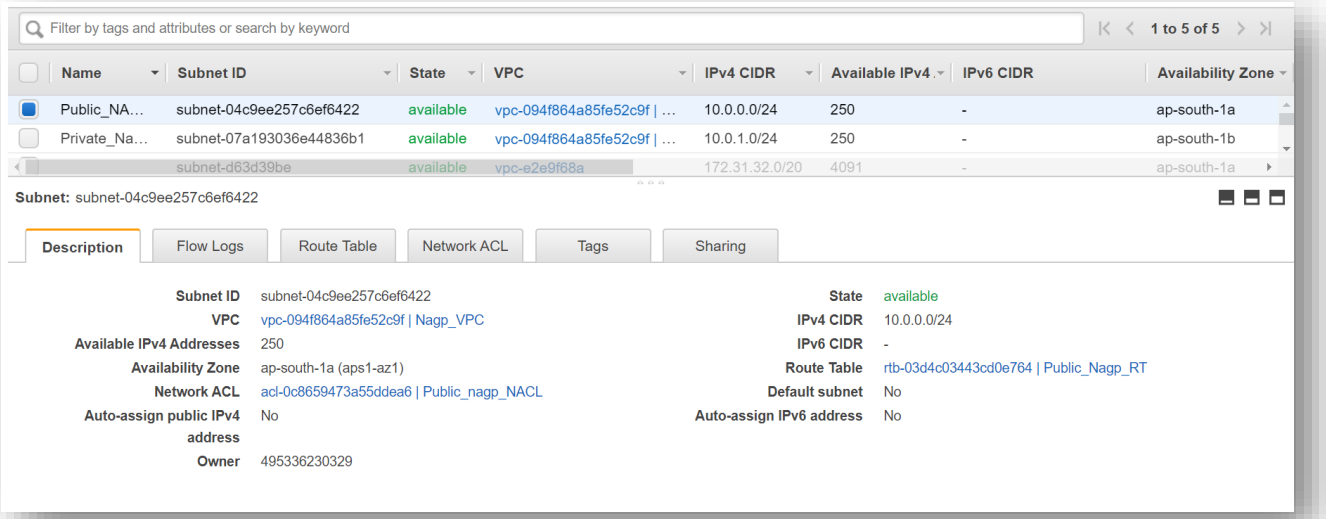


VPC COMPONENTS

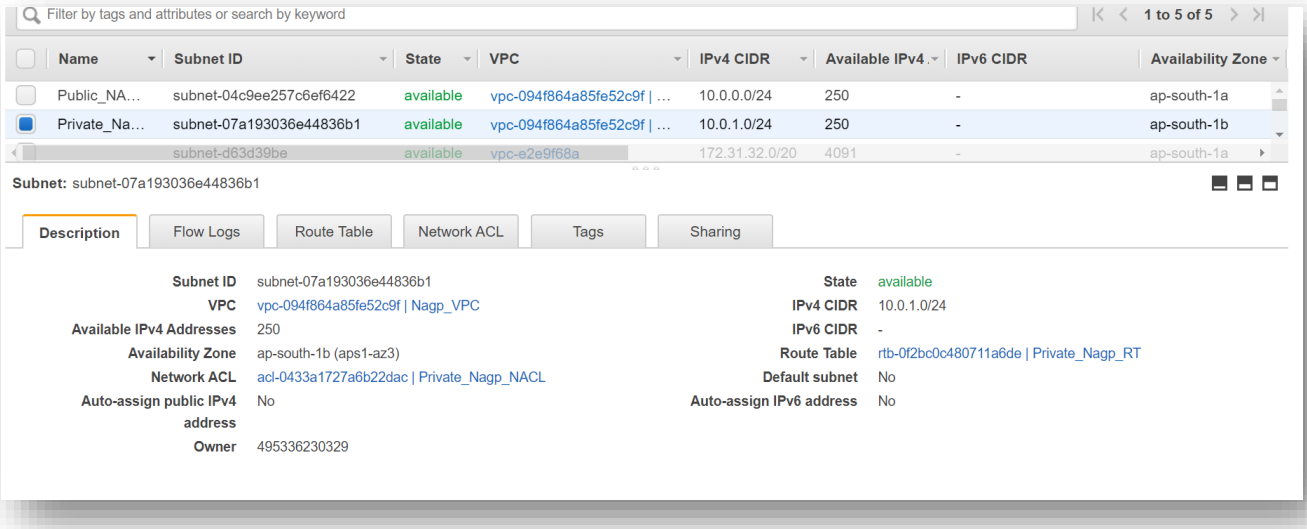
1. Nagp_VPC : 10.0.0.0/16



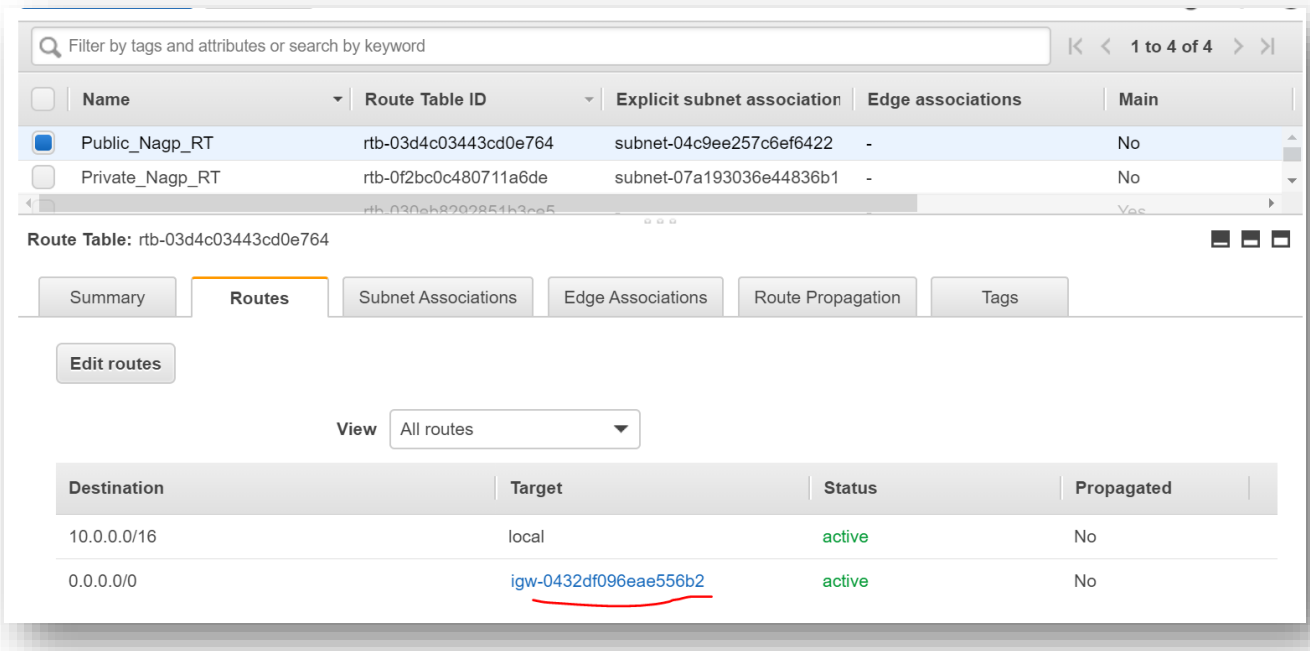
2. Public_Nagp_Subnet : 10.0.0.0/24



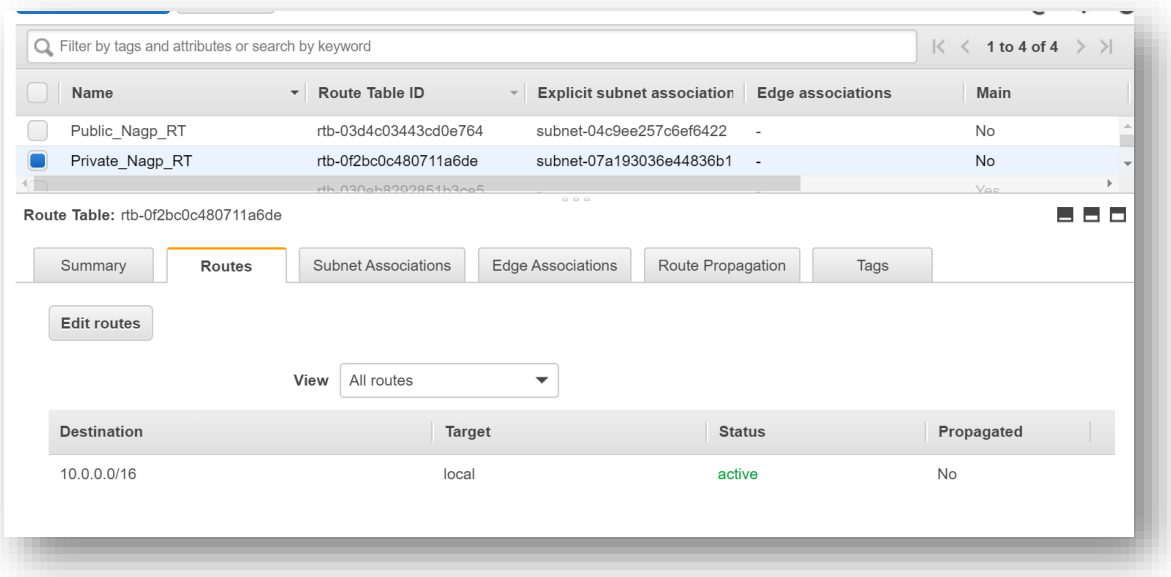
3. Private_Nagp_Subnet: 10.0.1.0/24



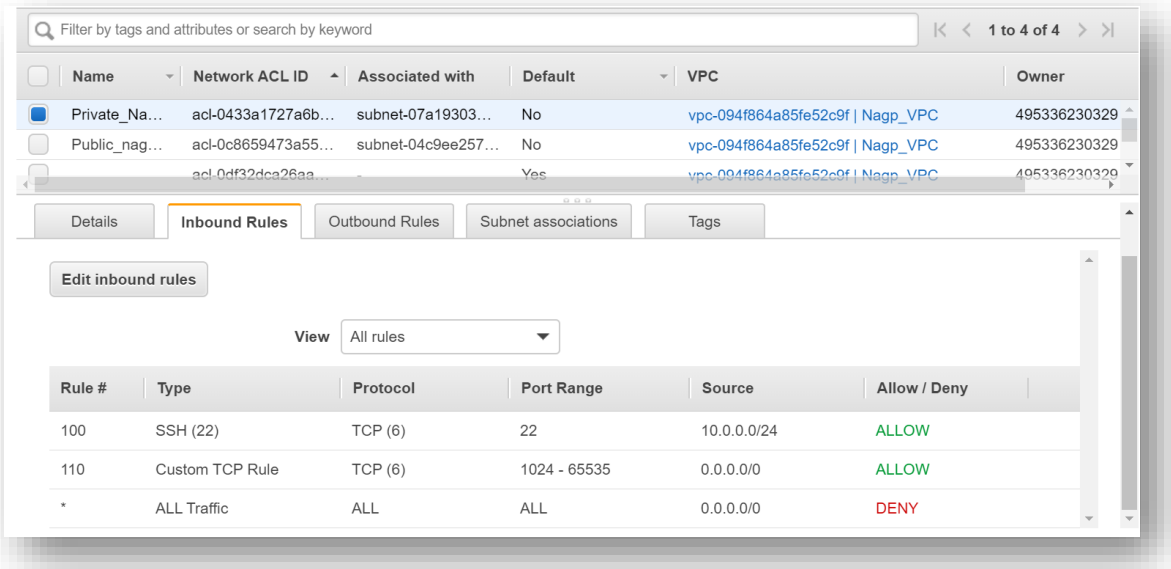
4. Public_nagp_RT (Route table)



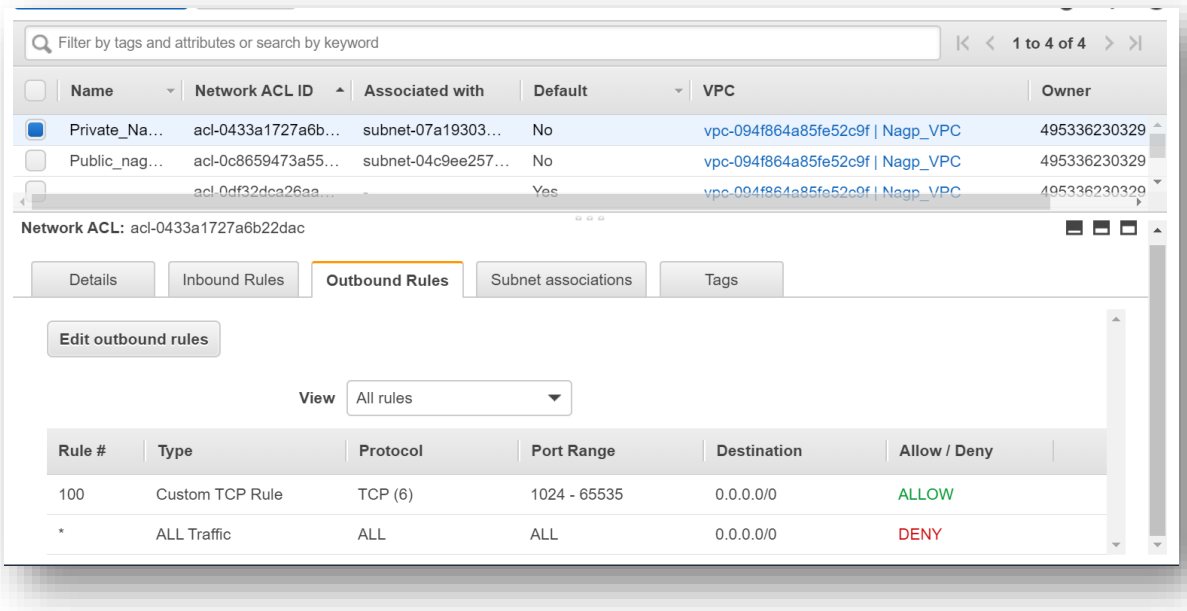
5. Private_nagp_RT (Route table)



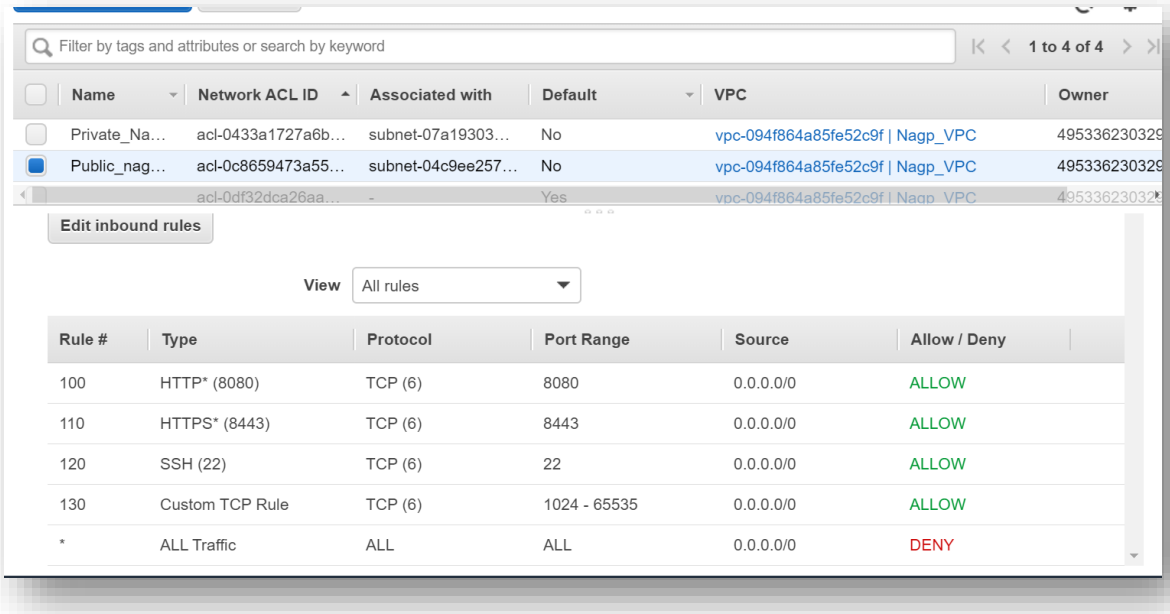
6. Private_nagp_NACL : inbound rules



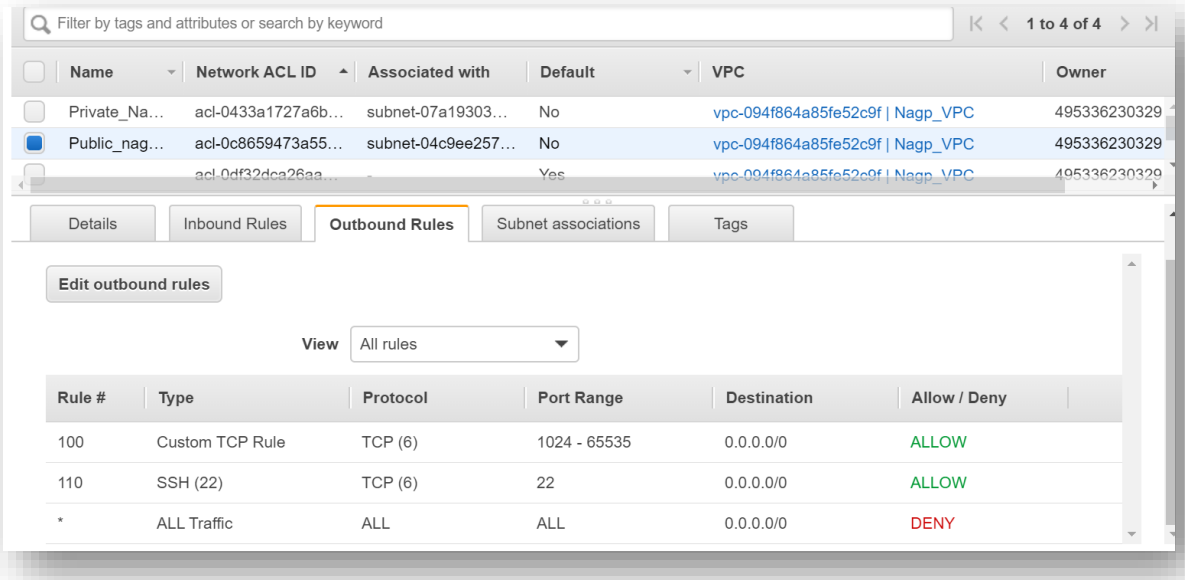
7. Private_nagp_NACL : outbound rules



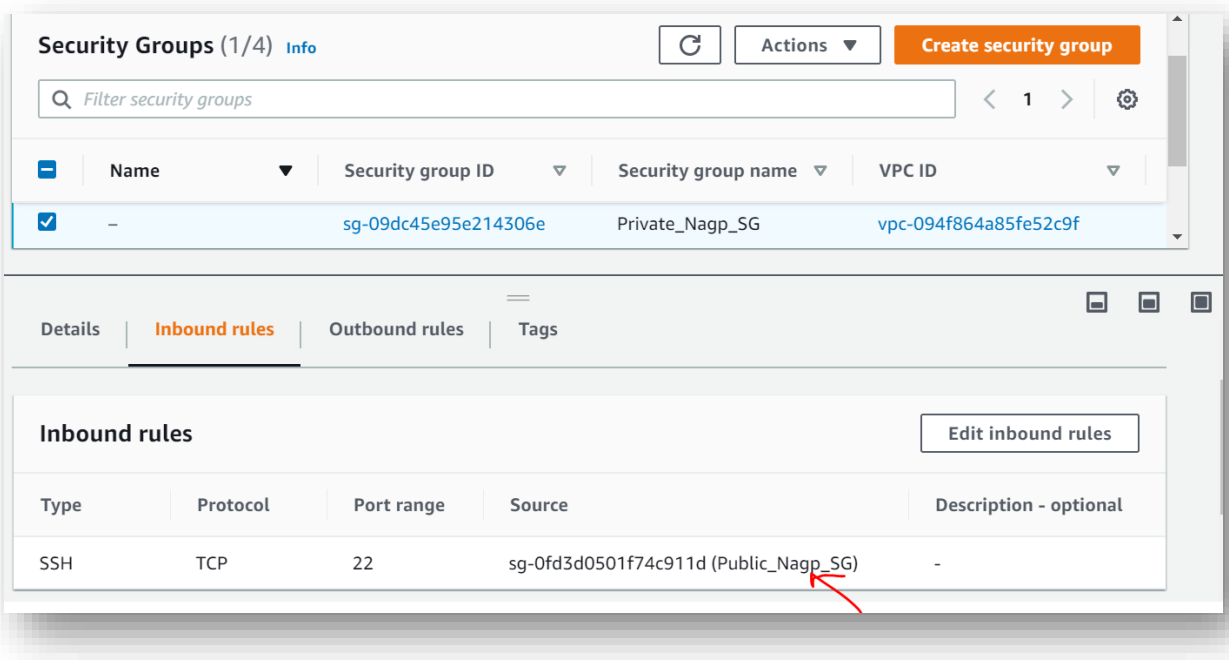
8. Public_nagp_NACL : inbound rules



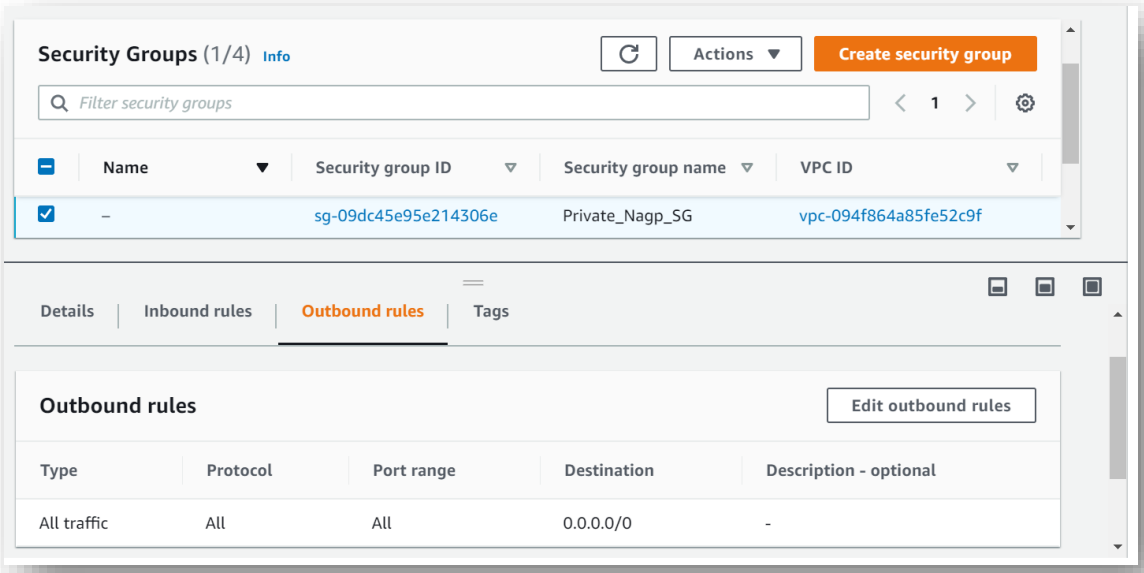
9. Public_nagp_NACL : outbound rules



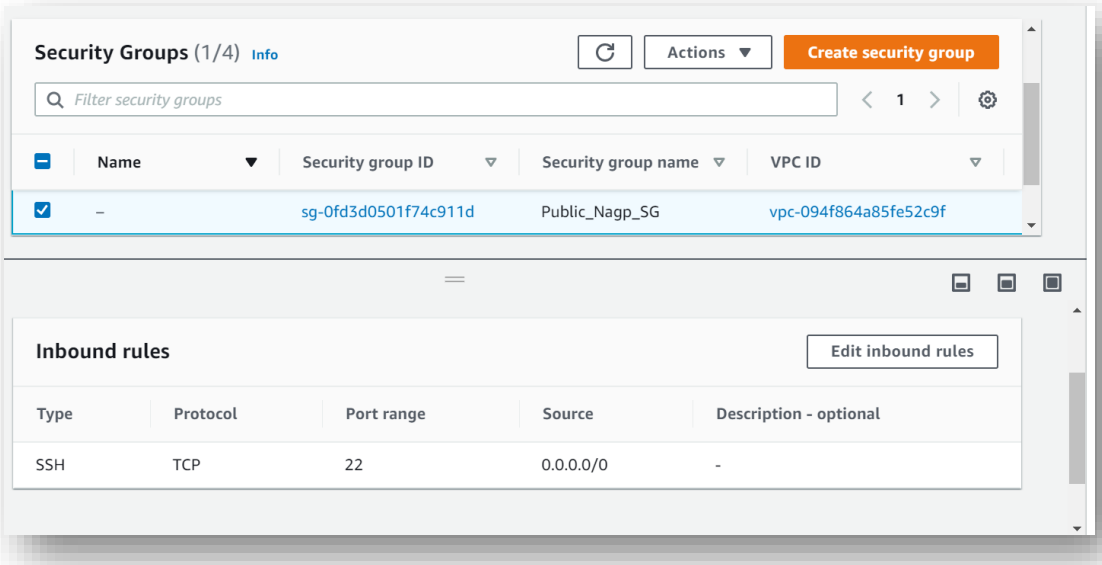
10. Private_Nagp_SG (Security Group) : inbound rules



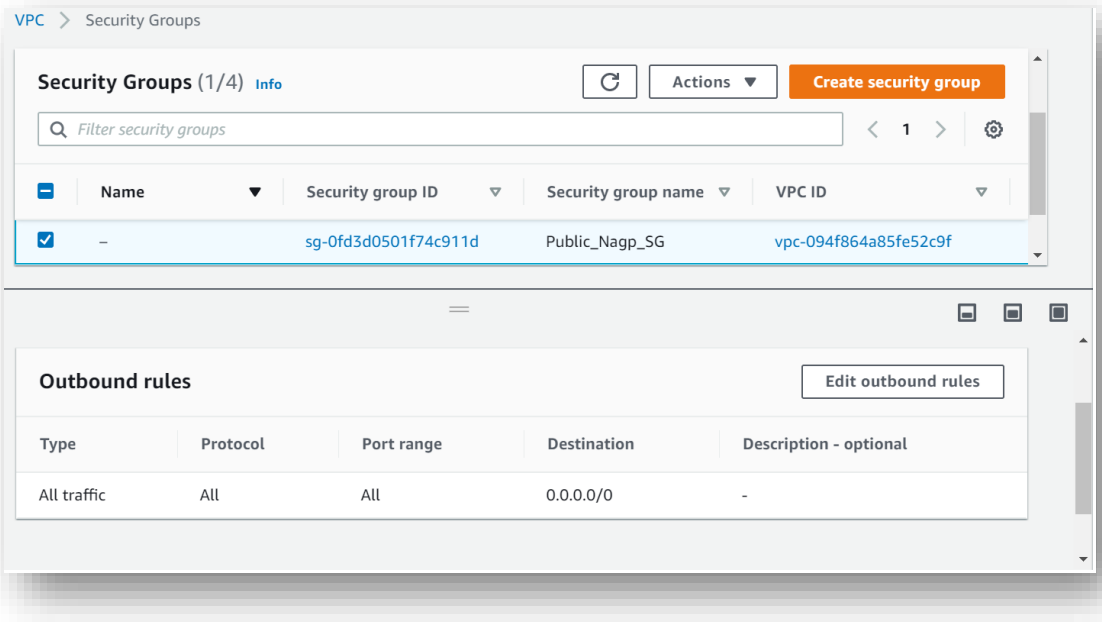
11. Private_Nagp_SG (Security Group) : outbound rules



12. Public_Nagp_SG (Security Group) : inbound rules



13. Public_Nagp_SG (Security Group) : outbound rules



14. Internet Gateway