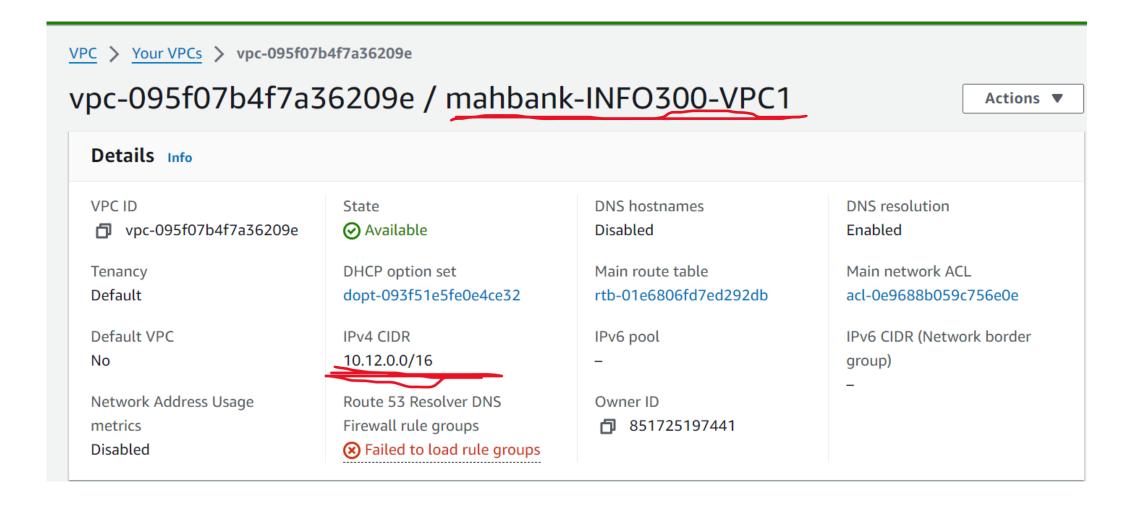
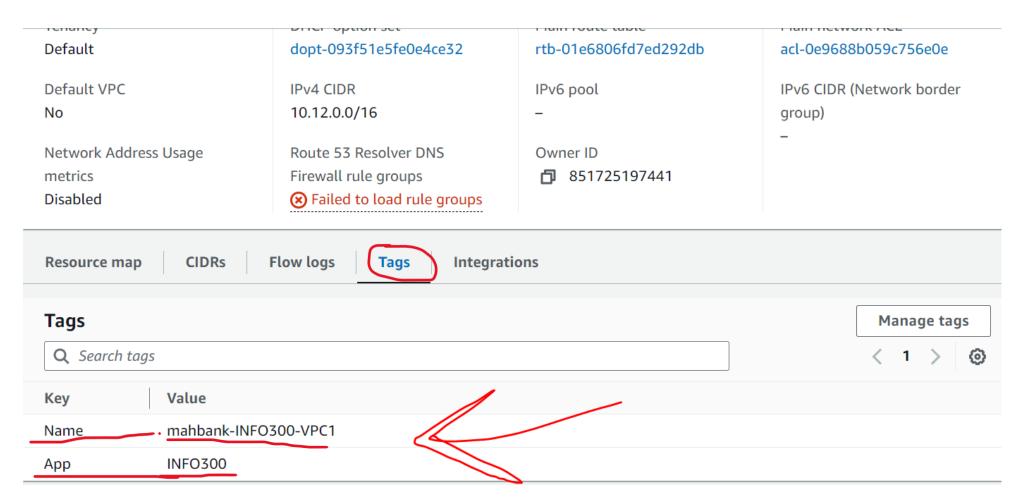
PROJECT PART 1

Kevon Mahban

l New VPC with mahbank-INFO300-VPC1 naming, 10.12.0.0/16, and App tag



1. New VPC with mahbank-INFO300-VPC1 naming, 10.12.0.0/16, and App tag



2. Public subnets and one private subnet. IPv4 address 10.12.3.0/24. Different availability zones, and changed the DNS A record/auto assign IPv4

subnet-097cbd1ef1da77475 / mahbank-INFO300-Public-SN-1 **Actions ▼** Details Subnet ID Subnet ARN State **IPv4 CIDR** Available **☆** subnet-□ arn:aws:ec2:us-east-**1** 10.12.1.0/24 097cbd1ef1da77475 1:851725197441:subnet/subn Availability Zone Availability Zone ID et-097cbd1ef1da77475 Available IPv4 addresses use1-az1 us-east-1a **向** 251 IPv6 CIDR Route table Network ACL rtb-01e6806fd7ed292db acl-0e9688b059c756e0e Network border group 🗇 us-east-1 VPC Auto-assign customer-owned Auto-assign IPv6 address vpc-095f07b4f7a36209e | Default subnet IPv4 address No mahbank-INFO300-VPC1 No No IPv4 CIDR reservations Auto-assign public IPv4 Customer-owned IPv4 pool **IPv6 CIDR reservations** address Yes Resource name DNS A record IPv6-only Enabled Resource name DNS AAAA **Outpost ID** No record

Disabled

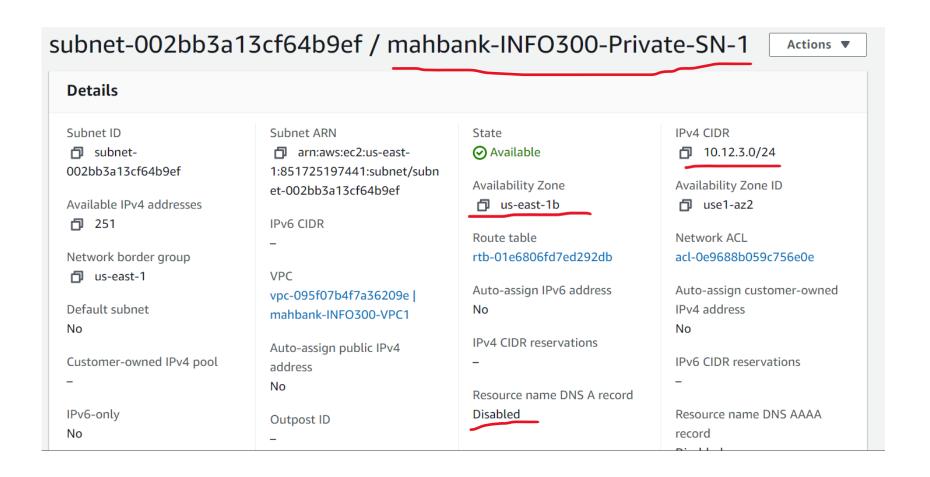
2. Public subnets and one private subnet. IPv4 address 10.12.3.0/24. Different availability zones, and changed the DNS A record/auto assign IPv4

subnet-0ca8cf25a318e088a / mahbank>-INFO300-Public-SN-2

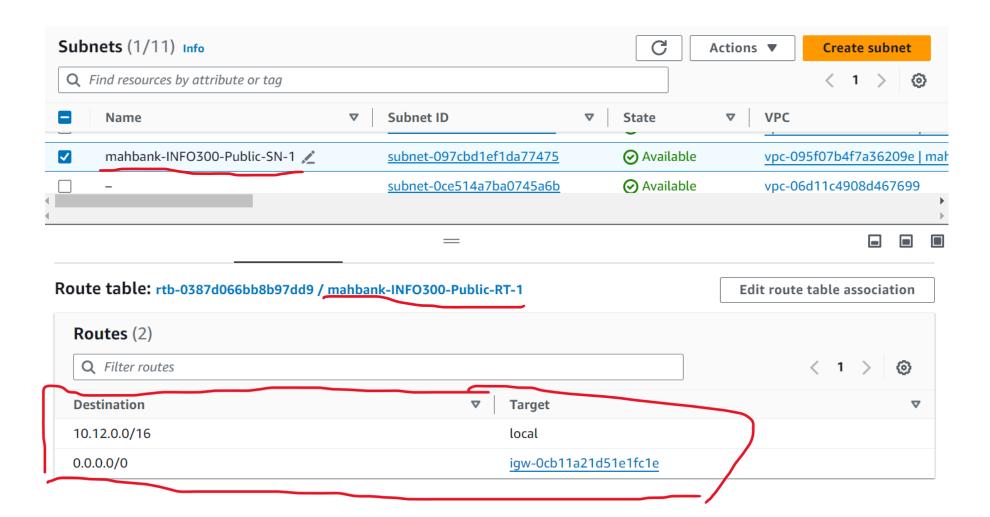
Actions **T**

Details			
Subnet ID	Subnet ARN	State	IPv4 CIDR
🗖 subnet-	arn:aws:ec2:us-east-		力 10.12.2.0/24
Oca8cf25a318e088a Available IPv4 addresses	1:851725197441:subnet/subn et-0ca8cf25a318e088a	Availability Zone us-east-1b	Availability Zone ID use1-az2
5 251	IPv6 CIDR	Route table	Network ACL
Network border group		rtb-01e6806fd7ed292db	acl-0e9688b059c756e0e
us-east-1 Default subnet No Customer-owned IPv4 pool	VPC vpc-095f07b4f7a36209e mahbank-INFO300-VPC1 Auto-assign public IPv4 address Yes	Auto-assign IPv6 address No IPv4 CIDR reservations - Resource name DNS A record	Auto-assign customer-owned IPv4 address No IPv6 CIDR reservations –
Pv6-only No	Outpost ID	Enabled	Resource name DNS AAAA record Disabled

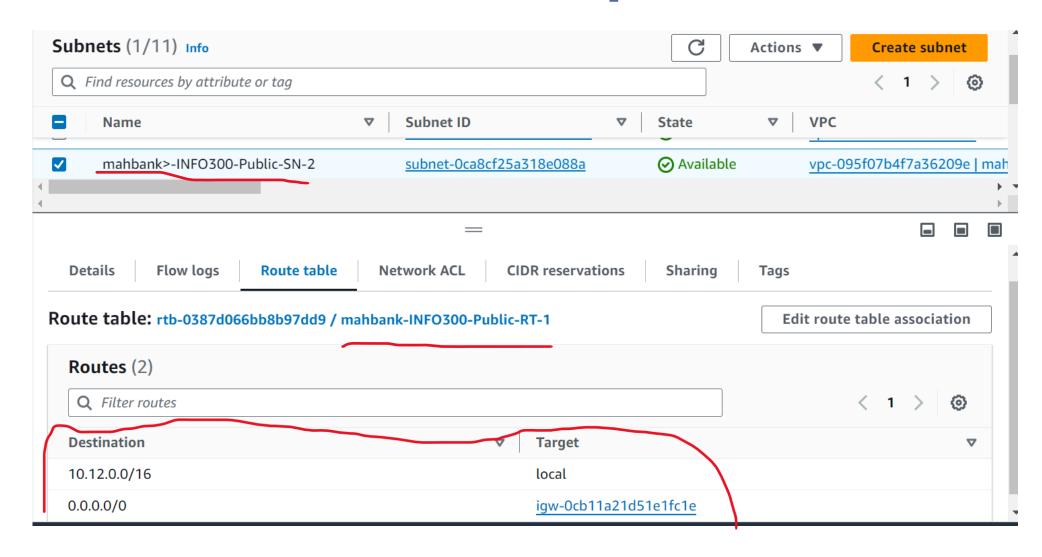
2. Public subnets and one private subnet. IPv4 address 10.12.3.0/24. Different availability zones, and changed the DNS A record/auto assign IPv4 disabled



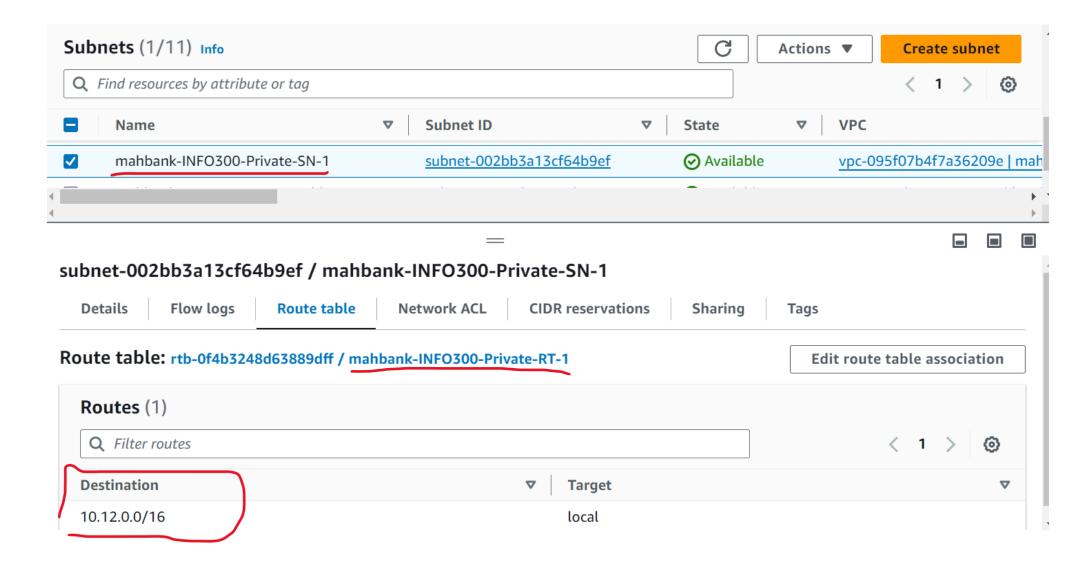
3. 1st Public subnet connected with routing table, connection to the internet 0.0.0.0/0, has local routes within vpc



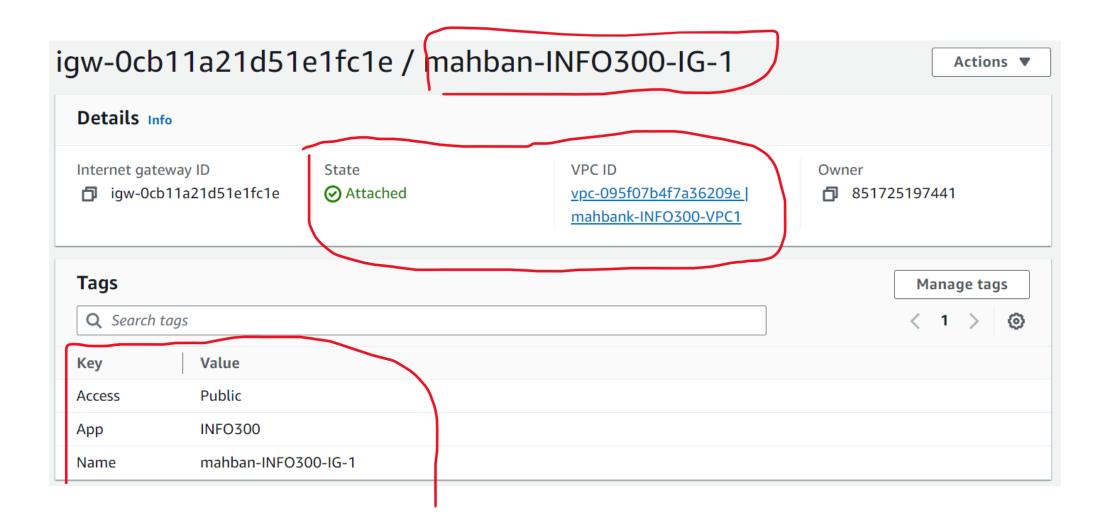
3. 2nd Public subnet connected with routing table, connection to the internet 0.0.0.0/0, has local routes within vpc



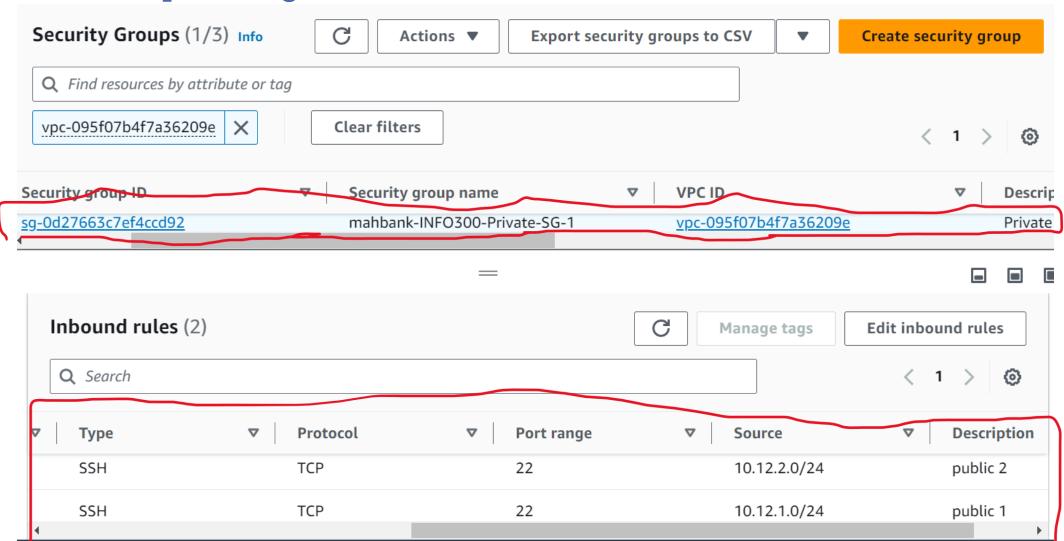
3. Private subnet connected with routing table, it ONLY has connections within vpc.



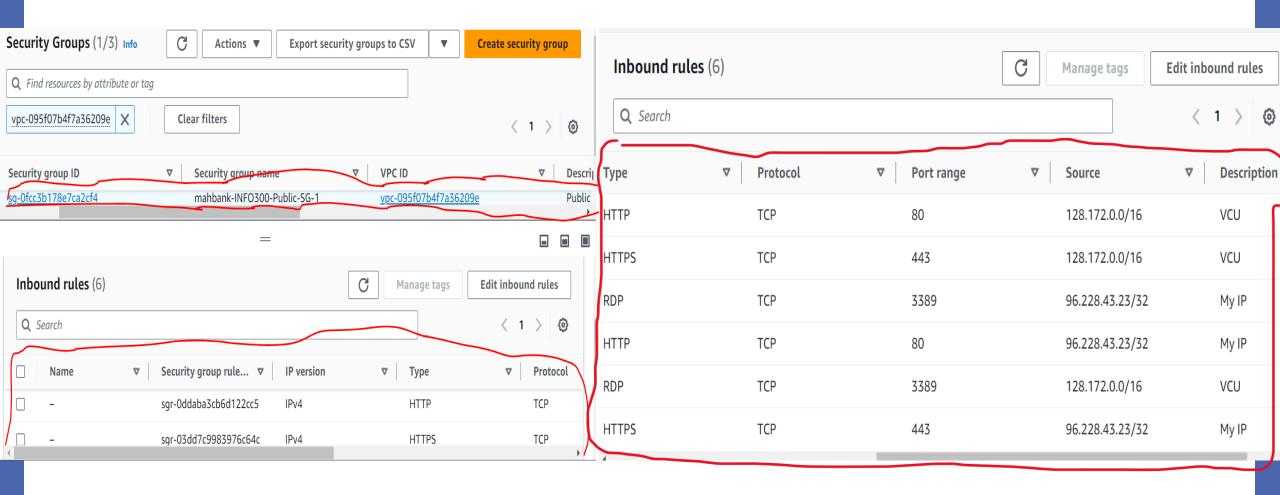
3. Internet gateway attached to VPC with specific required tags



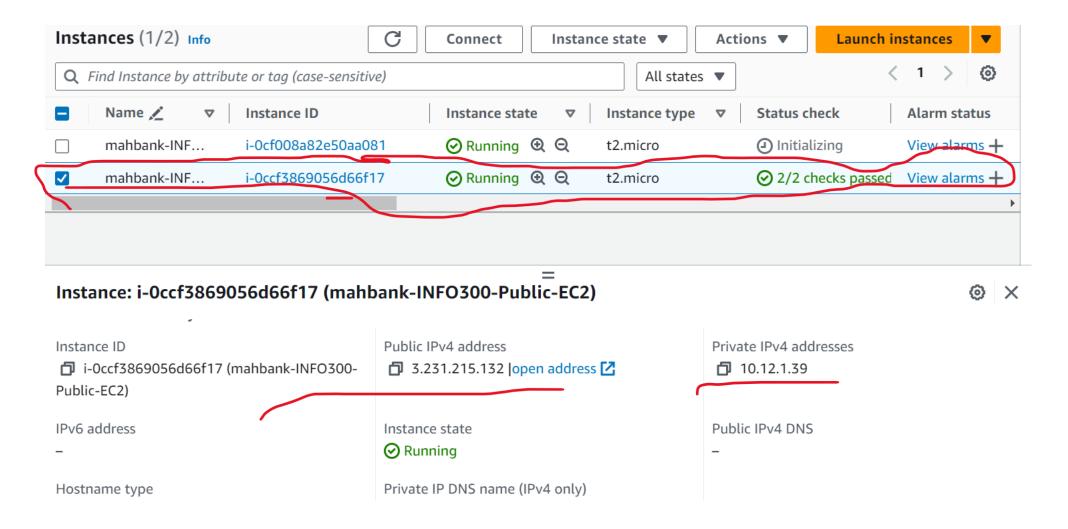
4. Private Security Group, displaying ssh type for both public. Protocol, port range, and source.



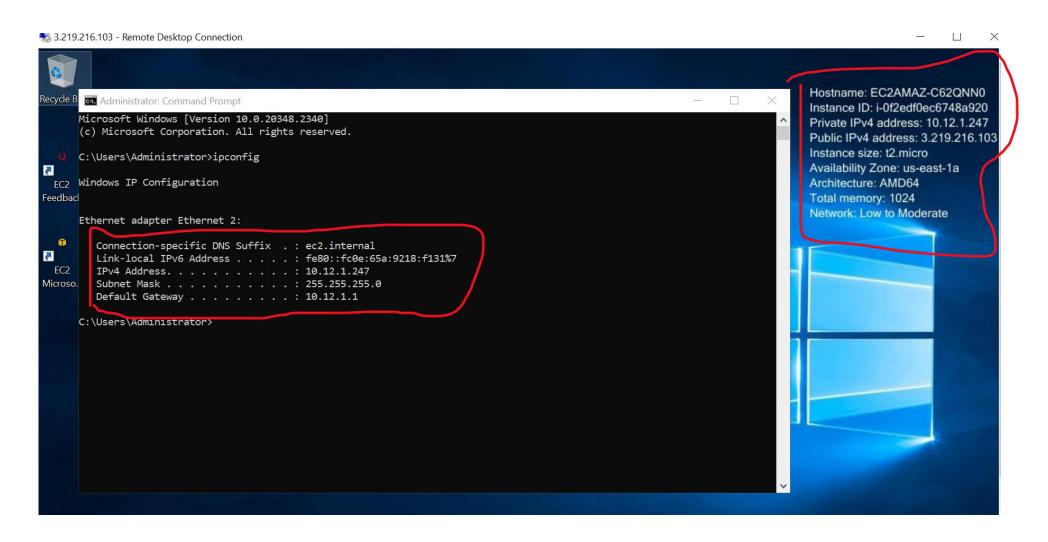
4. Public Security Group, allows RDP, VCU and own IP. Given Protocol, port range, source, and more



5. mahbank-INFO300-Public-EC2, Public Windows instance. public address 3.231.215.132 and internal of 10.12.1.39



5. Connection with Public Ec2, Private ip of 10.12.1.247 and public ip of 3.219.216.103



5. public instance with the internal IP address of 10.12.1.247 to the mahbank-INFO300-Private-EC2 private instance with the internal IP address of 10.12.3.246 over SSH. Due to connection and outages, it failed to connect but it should work regardless.

