

20th Oct 2023

AWS Custom VPC

Requirement Given by TCS

- TCS is going to setup the environment i.e servers on AWS, their clients are from XYZ (REGION) Location
- They are gonna host Servers
- These servers are grouped into two subnets each with 4k servers
- First Subnet is for web servers, around 4k
- Second Subnet is for database servers, around 4k
- In the future, they might add more number of subnets i.e application servers subnets, load balancer subnet etc
- The web servers needs to be communicated from internet
- The database servers needs to be communicated only from Web Servers, but not from internet
- Coming to security of Web Servers, they should have only
 - > SSH traffic enabled for administration from internet
 - > HTTP traffic for clients from internet
- Coming to security of Database Servers, they should have only SSH access from web servers
 - > SSH traffic enabled from web servers only

Public Resources

- If a route table is created with **Internet Gateway** Attached as route, it's a **PUBLIC Route Table**.
- If a Subnet is attached with a **PUBLIC Route Table** then it is a **PUBLIC SUBNET**.
- If a Server is launched in a **PUBLIC Subnet** with a **PUBLIC IP ADDRESS** then it is a **PUBLIC SERVER**.

Private Resources

- If a route table is created **without Internet Gateway**, it's a **PRIVATE Route Table**. **[OPTIONAL]**
- If a Subnet is attached with a **PRIVATE Route Table** then it is a **PRIVATE SUBNET**. **{ MANDATORY }**
- If a Server is launched in a **PRIVATE SUBNET** without a **PUBLIC IP ADDRESS** then it is a **PRIVATE SERVER**. **[OPTIONAL]**