

By default a single route table is associated with the VPC which has a rule to make communication within the network only.

default Route Table

VPC

Create a brand new VPC. Don't depend on default VPC.

Subnet

After VPC is ready we need need to create a subnet. While creating a subnet make sure to choose different availability zone. ie if you make 2 subnet then create one in, say in us-east-1 and another in us-east-2

Internet Gateway

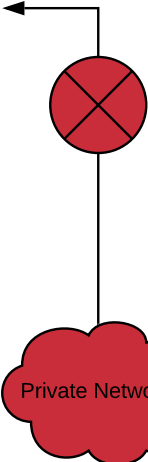
Now, with a believe that you have successfully created 2 subnets. Now we will create a Internet GateWay.  
Internet Gateway has to be attached to the VPC first.  
We need internet Gateway to allow internet access communication to the VPC and the subnet associated with it.  
Let's consider it as a tool to allow public access which is ? we required to fulfill one of our goal to create a public subnet network.

Custom Route Tables

It contains the rule to determine which traffics are allowed or not.  
Here we create a new **route tables** add route rule to allow all the internet traffic to come via Internet Gateway. Which means all the traffic from internet will go via InternetGateway.

Subnet Association

now , the time has come we differentiate the private and public subnet. Choose the subnet we want to make as private here.  
It becomes public because it has the route target as Internet gateway.  
Any services, we attached to this subnet will be internet accessible



Subnet association does not have internet gateway as the target

