**VPC Endpoint:**

* It is used to establish the connection between one service and other services in AWS .
* It is provide AWS Private Link to access the other services using Elastic Network Interface.

**Types of Endpoints:**

* Interface endpoint
* Gateway endpoint
* Gateway load balancer(which is not in use)

**Interface Endpoint:**

It provides access the multiple services in aws.

**Gateway Endpoint:**

By using this endpoint we can access the 3 services such as s3,dynamodb,s3 express in aws.

**Steps to establish connection b/w one service to another service in aws by using VPC Endpoint:**

* We can create VPC .
* By default route table wii be created.
* Create two subnets one is public and another one is private.
* Create one private route table and attach it to the private subnet.
* Attach the public route table to the public subnet.
* Create internet gateway and attach it to the vpc.
* Add the internet gateway to the public route table.
* Create the two ec2 instances one is public and another one is private.
* While creating the ec2 instance create the IAM role( which will provide the s3 access ) and attach the IAM Role to ec2 instance.
* Create the VPC Endpoint .
* Connect the public instance using Putty and check whether we want to access the service or not.
* We can access the s3 service like create s3 buckets,delete the buckets etc from public instance without endpoint url.
* Connect the private instance from public instance and check the s3 access but we unable to access the s3 service.
* We can copy the Endpoint url from AWS documentation paste it on private instance.
* In which URL we need to modify region name ,bucket name, DNS name click on enter.
* Now we can access the s3 service.

**Steps to create the VPC Endpoint:**

* Go to VPC Dash board and click on Endpoint option.
* Click on create endpoint option.
* Enter the name of Endpoint.
* Select the AWS Services opton.
* Select the type of endpoint and services which we want to access.
* Select VPC on which vpc we want to create this Endpoint.
* Click on create endpoint.
* Edit the inbound rules in which allow the all traffic or particular i.p address whatever we want.