**Transit Gateway:**

It is establish connection between the multiple vpc or any number of vpc’s and also on premise networks.

**Steps to establish connection b/w 3 instances in 3 different vpc’s:**

* First create three VPC’s within a same region or different regions.
* By default 3 route tables are created.
* Create three subnets.one subnet should be created on one vpc and another subnet will be createdon another vpc like that.
* Create three Internet gateways and attach it to the three different vpc’s.
* Add the three internet gateways to the three different route tables.
* Create the one Transit Gateway and three transit gateway attachments.
* Attach these transit gateway attachments to three different route tales.
* Create the three ec2 instances.One is public and remaining two are private instances.
* Connect the public instance by using Putty or ec2 connect directly.
* From public instance access the private instance by using ssh client.
* We can establish connection or access the private instance from one vpc to another vpc because we have attached transit gateway.

**Steps to create Transit Gateway:**

* Click on Transit gateway option which is available on vpc dashboard.
* Click on “create transit gateway”.
* Enter the name of transit gateway and add the description.
* Click on create transit gateway.It will be created.

**Steps to create transit gateway attachments:**

* Click on create transit gateway attachments.Enter the name of the transit gateway attachment.
* Select the transit gateway id which we have created earlier.
* Select the attachment type i.e VPC
* Select the VPC id on which vpc we want to create this transit gateway attachment.
* Click on create transit gateway attachment option.
* Attach this transit gateway attachment to route table for that we can go to route table select the route table and go to routes and click on edit route and then click on add route and enter vpc range which vpc we want to access and select transit gateway click on save changes.