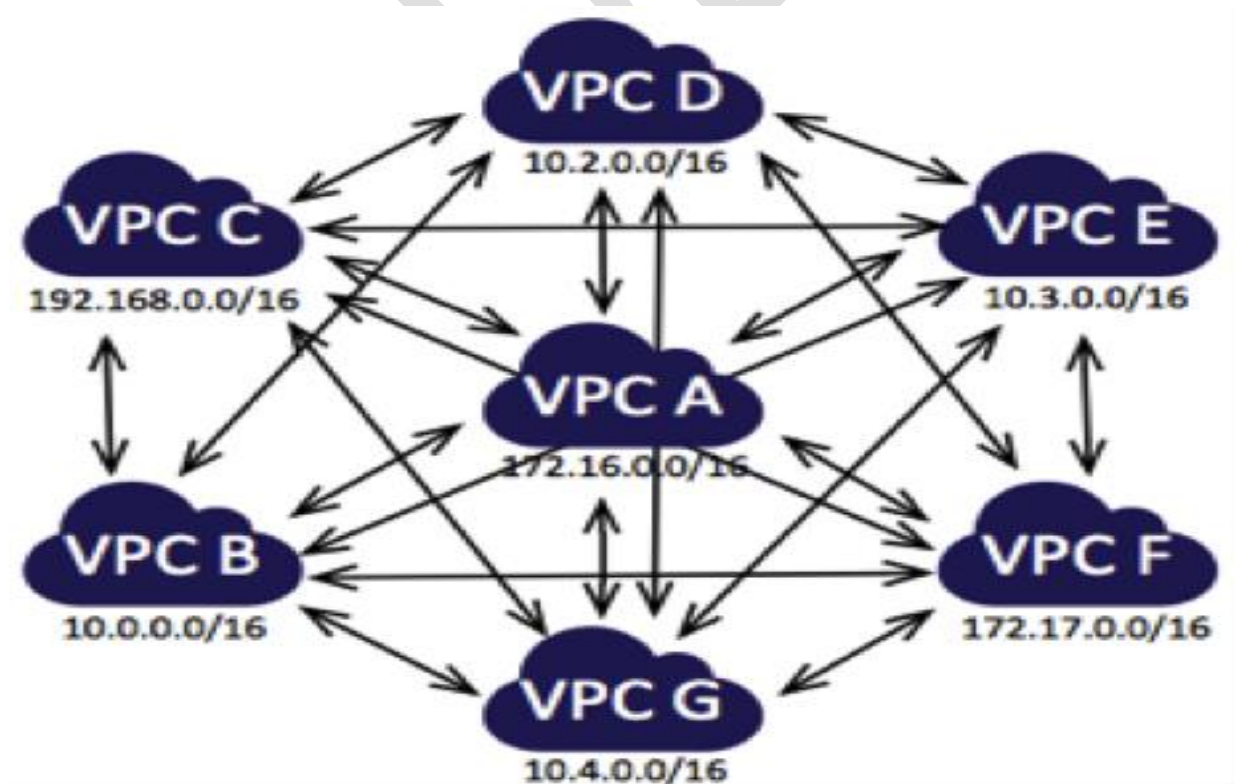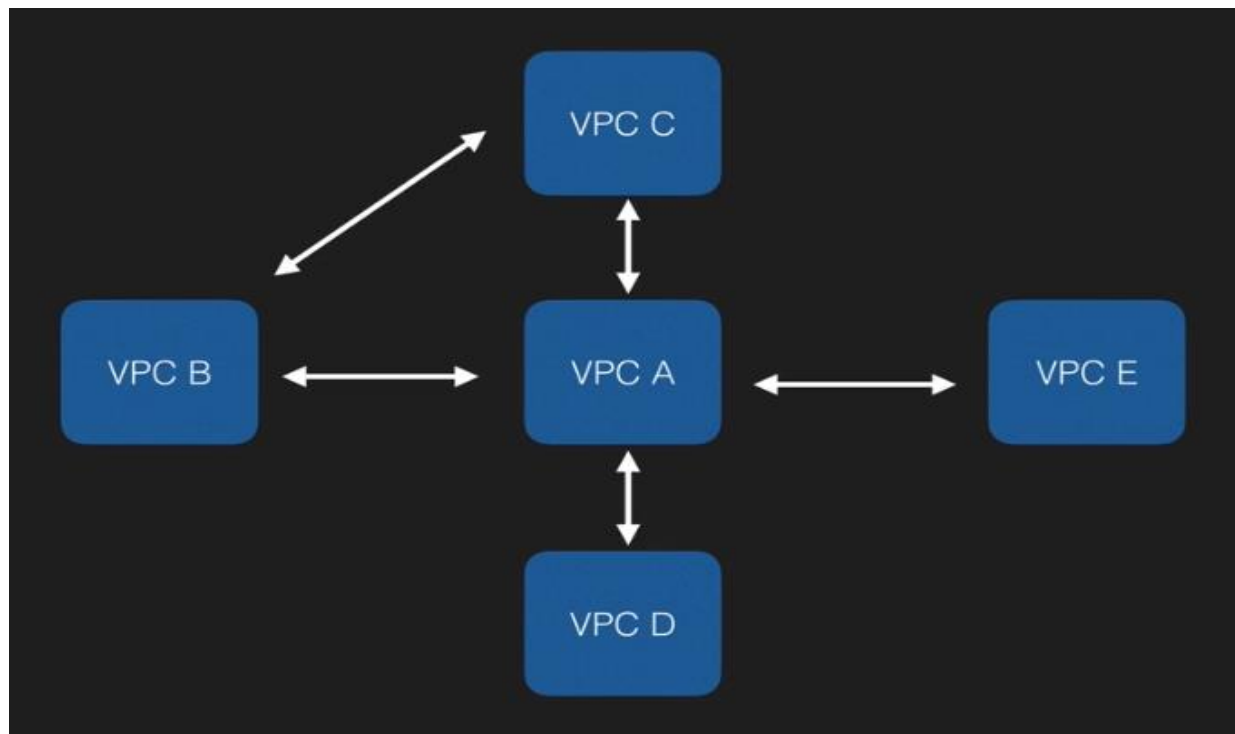# VPC Peering

- Allows you to connect one VPC with another via a direct network route using private IP addresses.

- Instances behave as if they are on the same private network

- You can peer VPC's with other AWS accounts as well as with other VPCs in the same account

- NO TRANSITIVE PEERING!!

VPC Flow Logs

- VPC Flow logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC.

- It's a way of tracking all network traffic to and from within your VPC.

- Flow logs can be created at 2 levels;
    - VPC
    - Subnet

```
jeff@ip-10-17-12-120:~
File Edit Options Buffers Tools Help
Jul   6 03:42:01 ip-10-17-12-120 rsyslogd: [origin softwa
ww.rsyslog.com"] rsyslogd was HUPed
Jul   6 12:24:33 ip-10-17-12-120 dhclient[2486]: DHCPREQUE
Jul   6 12:24:33 ip-10-17-12-120 dhclient[2486]: DHCPACK f
Jul   6 12:24:35 ip-10-17-12-120 dhclient[2486]: bound to
Jul   6 23:42:40 ip-10-17-12-120 dhclient[2486]: DHCPREQUE
Jul   6 23:42:40 ip-10-17-12-120 dhclient[2486]: DHCPACK
Jul   6 23:42:42 ip-10-17-12-120 dhclient[2486]: bound to
Jul   7 08:44:45 ip-10-17-12-120 dhclient[2486]: DHCPREQUE
Jul   7 08:44:45 ip-10-17-12-120 dhclient[2486]: DHCPACK f
Jul   7 08:44:47 ip-10-17-12-120 dhclient[2486]: bound to
Jul   7 19:41:21 ip-10-17-12-120 dhclient[2486]: DHCPREQUE
Jul   7 19:41:21 ip-10-17-12-120 dhclient[2486]: DHCPACK f
Jul   7 19:41:23 ip-10-17-12-120 dhclient[2486]: bound to
Jul   8 02:47:00 ip-10-17-12-120 yum[31369]: Installed: py
Jul   8 07:06:11 ip-10-17-12-120 dhclient[2486]: DHCPREQUE
Jul   8 07:06:11 ip-10-17-12-120 dhclient[2486]: DHCPACK f
Jul   8 07:06:13 ip-10-17-12-120 dhclient[2486]: bound to
```

VPC Flow Logs limitations

- You cannot enable flow logs for VPCs that are peered with your VPC unless the peer VPC is in your account

- You cannot tag a flow log.

Not all IP Traffic is monitored

- Traffic generated by instances when they contact the Amazon DNS server.

- Traffic to and from 169.254.169.254 for instance metadata.

- DHCP traffic

- Traffic to the reserved IP address

VPC End Points

- It is AWS private network used to connect EC2 instance which is there in private SN of VPC with S3 bucket to transfer the data.