AWS Security Groups Vs Network ACLS

. Security groups are applied to instances . NACL applied to VPC

. By default allow all outbound traffic . Outbound traffic blocked and always filtered

. There is no deny rule . We can deny particular IP or network

. There is no preference(priority) . We can set the priority by using Rule number( lowest number has the highest priority)

. We can assign multiple groups to Instance . We can assign only one NACL per subnet

* VPC is act inside the region. Means we can’t use one region’s VPC in other region.
* VPC [Peering Connections](https://console.aws.amazon.com/vpc/home?region=us-east-1#PeeringConnections:) is used to connect to connect other VPC in region.
* Maximum number of elastic IP per AWS account is **5**
* **Elastic Network Interface basically used for HA of network.**
* **Elastic Network Interface(ENI) can move one instance to other instance in same availability Zone using (detach and attach to new instance.**
* **EBS can be detach and attach to another instance within the Availability Zone.**
* **EBS maximum size is 16TB**
* **We can take the snapshots of EBS and store in S3.**
* **EBS snapshots are incremental.**
* **EBS snapshots can be move to other region and create instance using the snapshot.**
* **EBS volumes are RAID volume.**
* ELB works across the availability zone
* ELB Integrates with auto-scaling
* ELB can use internally and externally.