

Micro-Segmentation

AVIATRIX DCF FOR INTRA VPC/VNET MICRO-SEGMENTATION

Micro-Segmentation Basics



Aviatrix Distributed Cloud Firewall enforces policy exactly where needed across the entire network.

Aviatrix DCF for Micro-Segmentation is for Intra and Inter VPC/VNET Segmentation

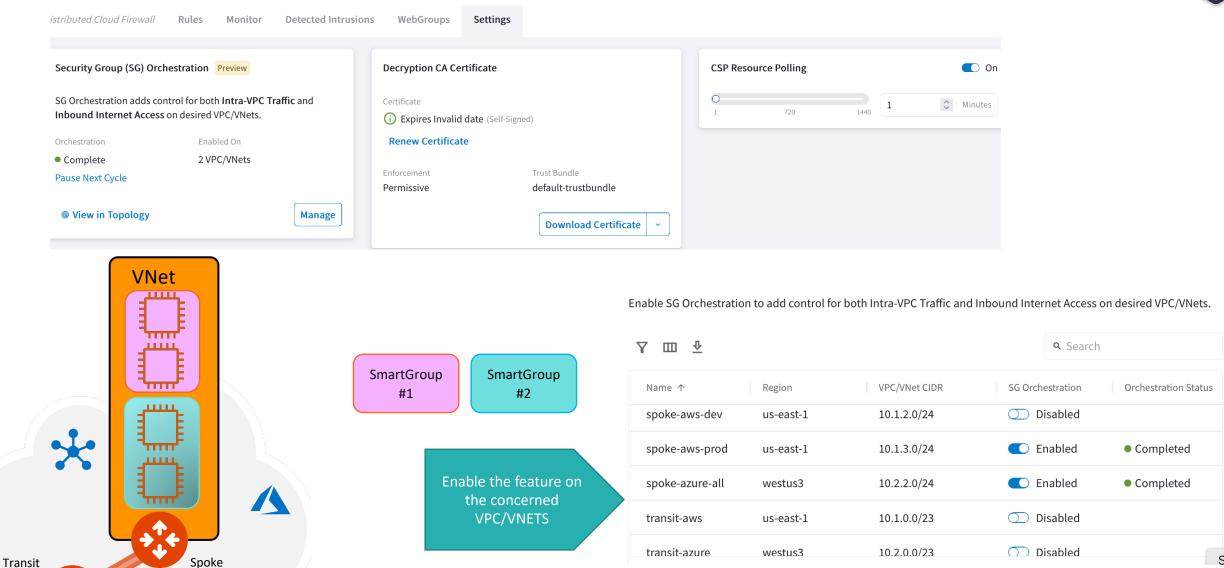
Characteristics:

- Two components: Smart Groups & Policy (Rule)
- Available for AWS and Azure
- Fine-grained control, even for workloads in the same VPC/VNET
 - Orchestrating AWS Security Groups and Azure Network Security Group (NSG) for Intra-VPC or Intra-VNET segmentation



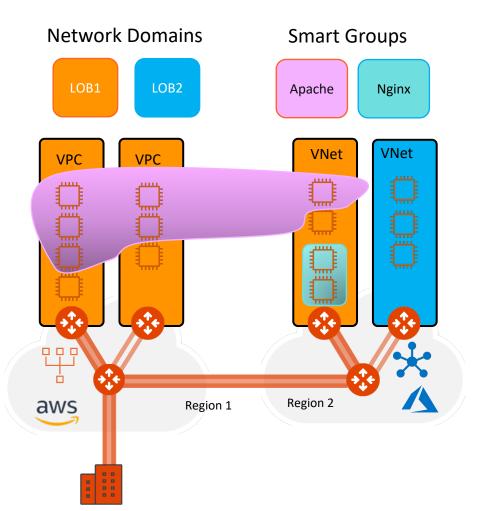
Intra VPC/VNET Distributed Firewalling (Micro-Segmentation)





Network Segmentation & Micro-Segmentation Together



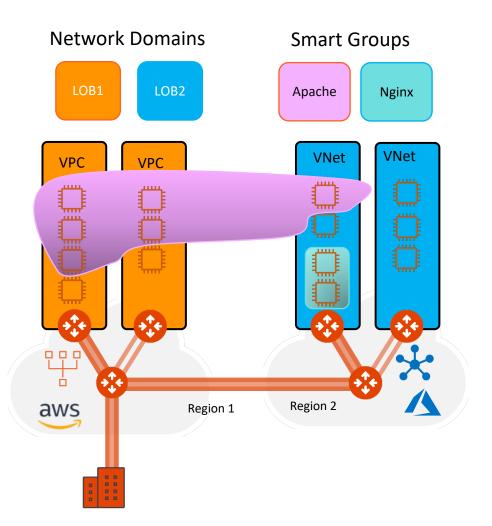


- Scenario #1: Smart Group defined within a Network Segment
- No connection policy between LOB1 and LOB2
- Apache and Ngnix are part of two different Smart Groups and can communicate.
- INTRA rule between Apache to Apache and only allow ICMP
- Only Apache VMs can ping each other
- Now, only Apache to Ngnix, only 443, is permitted.
- Since implicit deny is there, only 443 is allowed.
- Network Segmentation and Distributed Firewalling are NOT mutually exclusive.



Network Segmentation & Micro-Segmentation Together





- Scenario #2: Smart Group stretched between two Network Domains
- Network Segmentation takes precedence over the extent of a Smart Group





