

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.

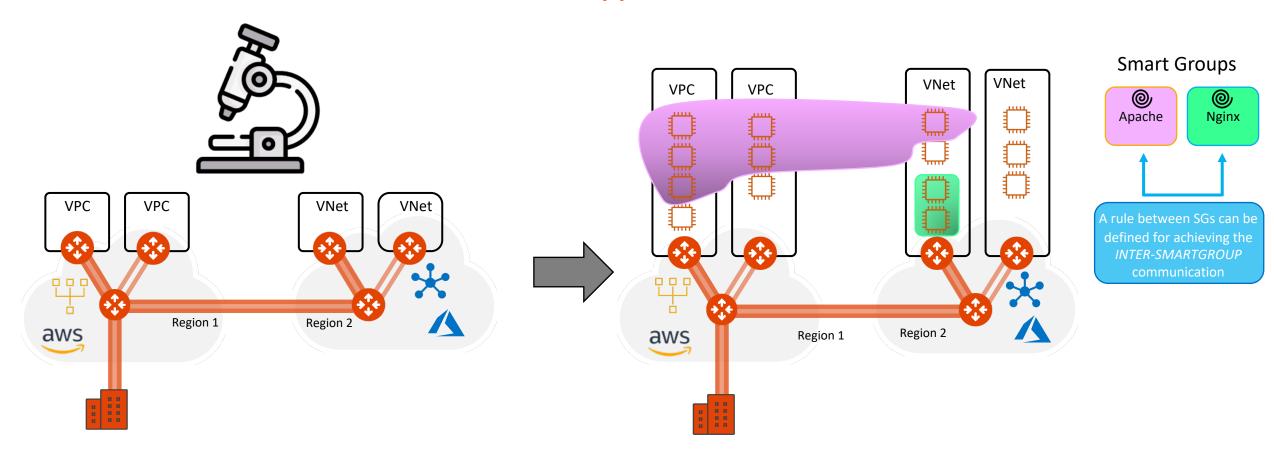
Aviatrix DCF for Micro-Segmentation is for Intra and Inter VPC/VNET Segmentation

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



Distributed Cloud Firewall Rule Types: Intra-rule vs. Inter-rule



INTRA-RULE: is defined within a Smart
Group, for dictating what kind of traffic is
allowed/prohibited among all the instances
that belong to that Smart Group

 INTER-RULE: is defined among Smart Groups, for dictating what kind of traffic is allowed/prohibited among two or more Smart Groups.



Micro-Segmention: SmartGroups, Intra-Rules and Inter-Rules

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EXPLICIT-DENY

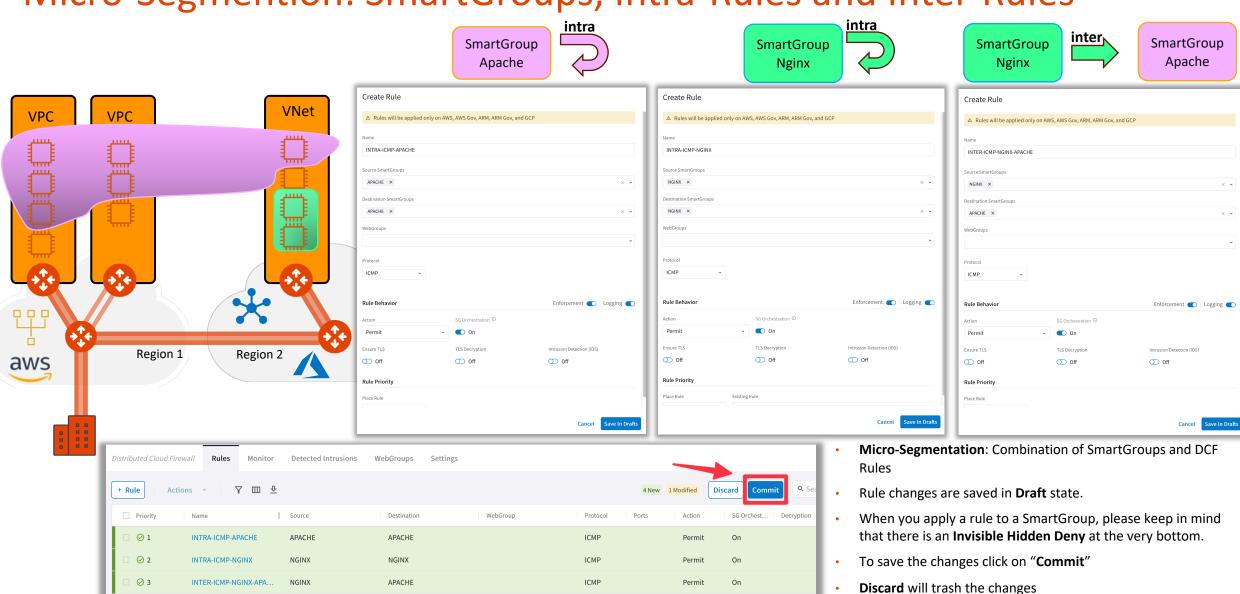
Greenfield-Rule

Anywhere (0.0.0.0/0)

Anywhere (0.0.0.0/0)

Anywhere (0.0.0.0/0)

Anywhere (0.0.0.0/0)



Any

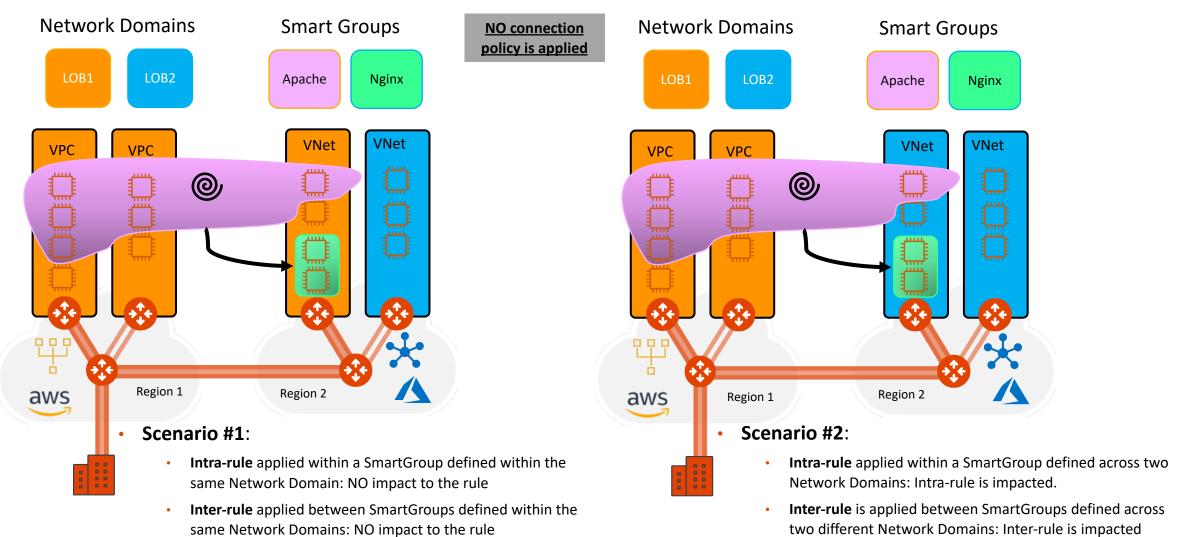
Deny

Permit

Rule is **stateful**, this means that the return traffic is allowed

automatically

Network Segmentation & Distributed Cloud Firewall Rule together



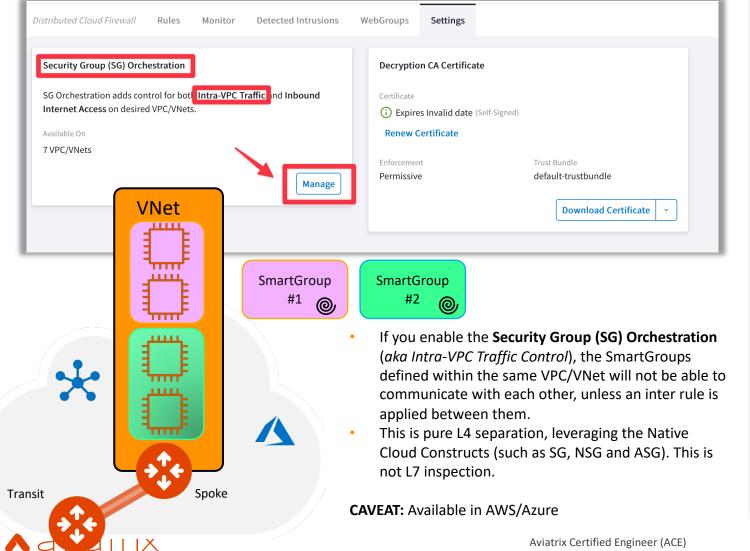
Caveat:

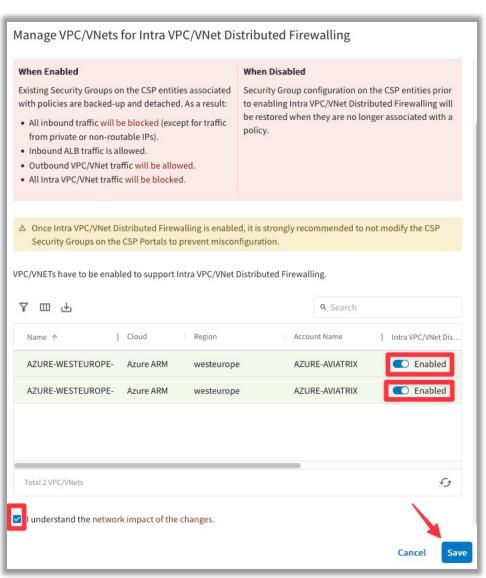
- Network Segmentation and Distributed Firewalling are **NOT** mutually exclusive!
- Network Segmentation takes **precedence** over the extent of a SmartGroup



Security Group (SG) Orchestration: Intra VPC/VNET Traffic Control

■ Enable the feature on the relevant VPC/VNet





Aviatrix Certified Engineer (ACE)





