

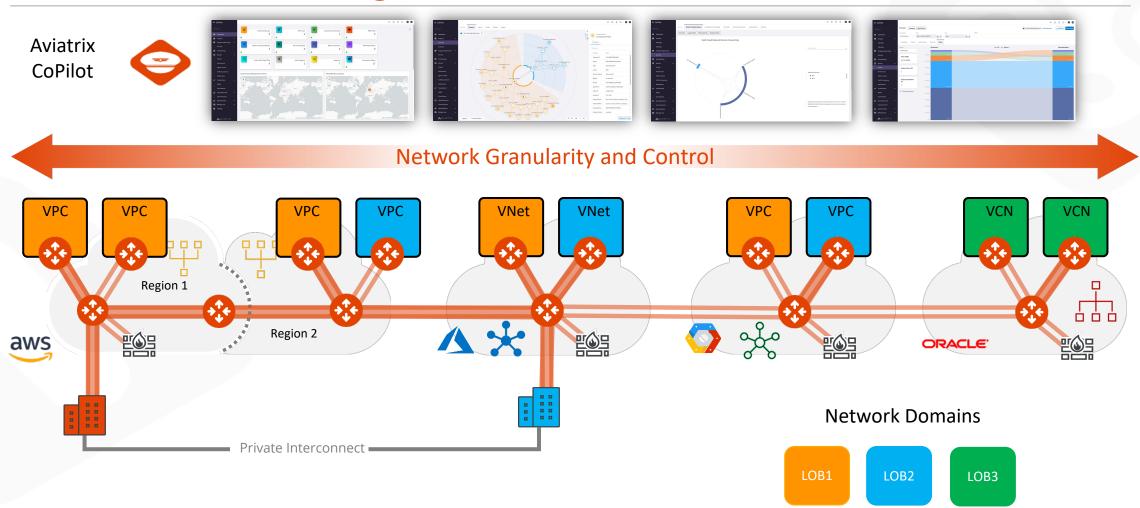
Network Segmentation

Segmentation

- Enables ZTNA across multi-region and multicloud, including on-premises environment
- Group VNets/VPCs/VCNs/Apps with similar security policies
- Define your own domains
- Use Cases
 - Compliance
 - Governance
 - Audits



Multicloud Network Segmentation





Multicloud Network Segmentation

Policy Based Network Segmentation

- Global
- Consistent / Repeatable
- Across accounts, subscriptions & projects

Cloud and Connection Agnostic

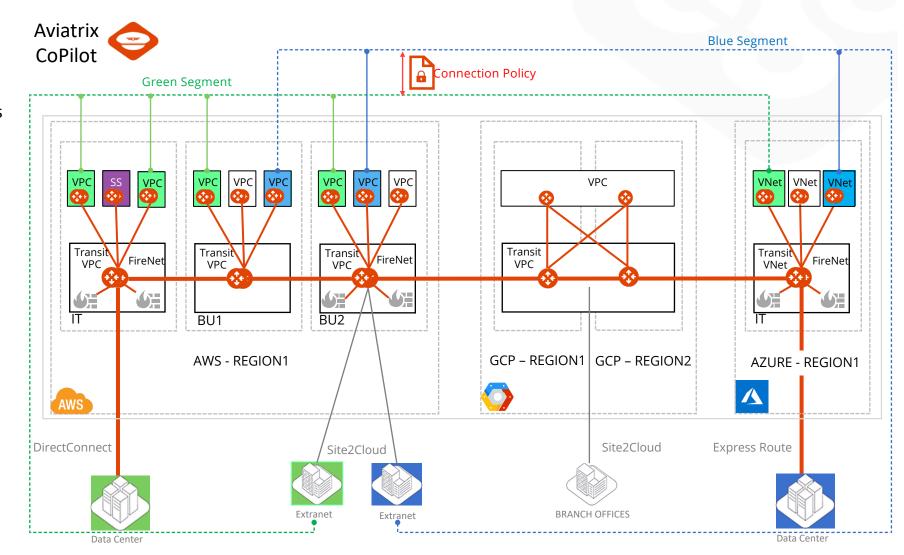
- Single cloud
- Intra-region or inter-region
- Multiple clouds

Edge/Access Segmentation

- On-Prem DCs
- Branches
- Extranets
- Cloud Peering

On-Demand Compliance/Governance

- Security Posture within minutes
- Aviatrix control plane realizes the intent
- Zero-Trust
- Flexible
- Automated





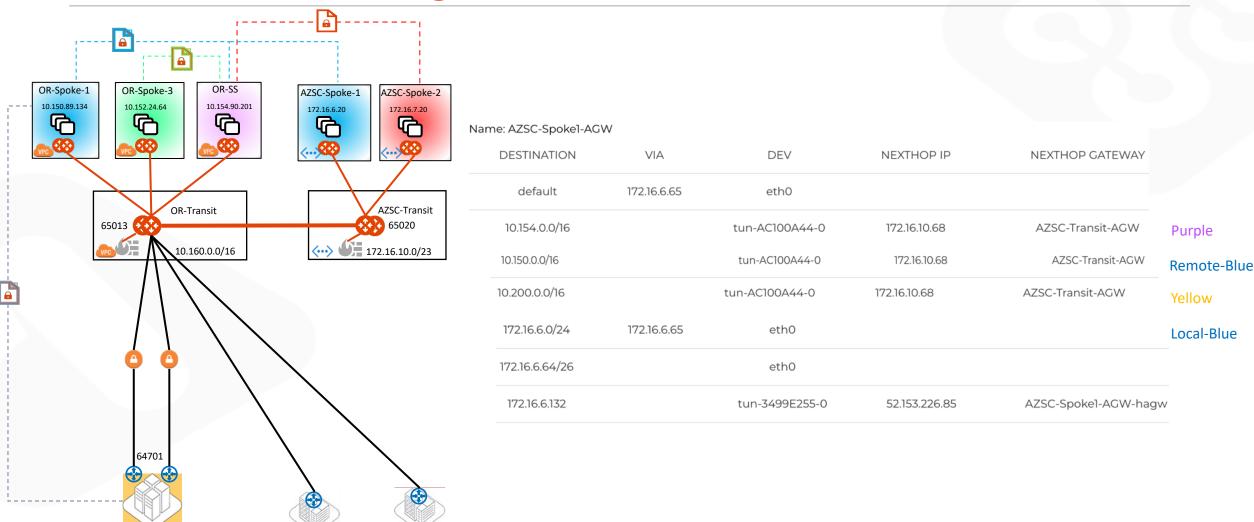
Multicloud Network Segmentation

Partner-1

10.201.0.0/16

Partner-2

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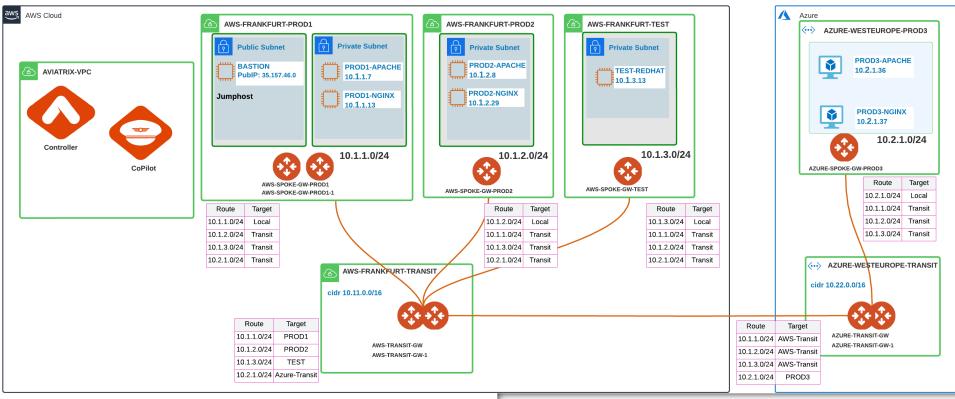


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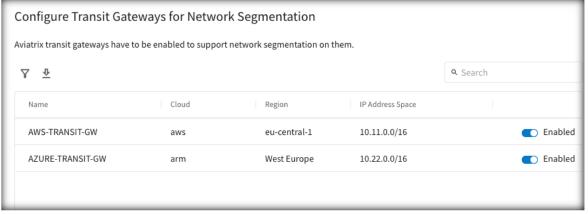
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1. Enabling Transit Gateways for Network Segmentation



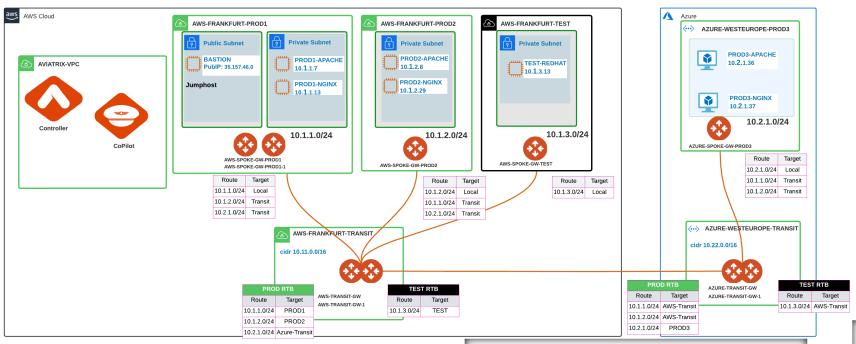
Enable the Network Segmentation:

• Choose the Transit Gateway(s) that will route traffic for its members.





2. Creating, Connecting, and Associating a Network Domain



Create the Network Domains:

- Assign a Name to each Network Domain
- Associate the Spoke VPCs/Vnets and/or Site2Cloud Connections to the Network Domain

CAVEAT: A network-domain name can only have letters, digits, a hyphen (-), and an underscore (_). The name must start with a letter and must have 2-27 characters. For example, **Dev_Domain**.



| Create Network Domain | | | 1 |
|-----------------------|---|---|---|
| Name* | | | 1 |
| TEST | | | 1 |
| Associations | | | ı |
| AWS-FRANKFURT-TEST × | × | • | ı |

Transit Gateway

- Multiple RTBs (per each Network Domain)
- Main RTB:
 - The main RTB will host the Transit Routes (i.e. the routes of the backbone layer) and the routes that belong to Unmanaged Network Domains (i.e. VPCs/Vnets not assigned to any Network Domains).

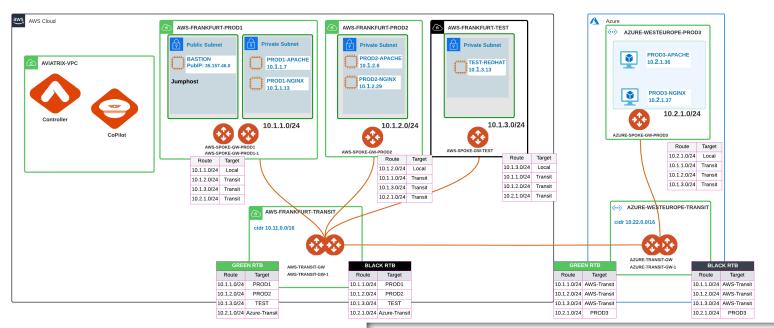
Spoke Gateway

• Single RTB (Main)

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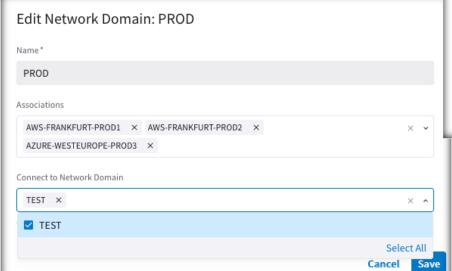


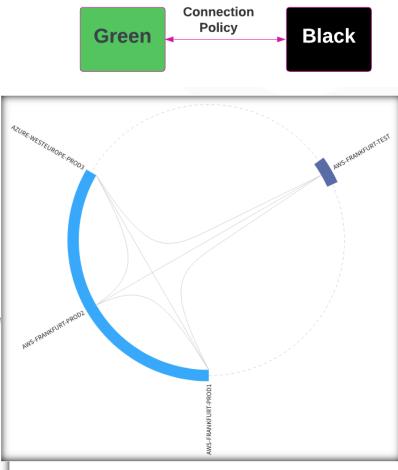
3. Apply the Connection Policy (optional)



Optionally, enable the Connection Policy:

 Network Domains' routing tables are merged (i.e. vrf leaking).









Next: Lab 3 - Network Segmentation