

• Distributed - Inbound and Outbound Only

• Centralized Inbound

• Centralized - E/W & outbound
• Distributed - Subnet to Subnet

• Centralized - E/W & outbound

| Destination | Next Hop |
|---------------|----------|
| Spoke VPC 3 | local |
| 10.100.8.0/24 | GWLBE03 |

| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 3 | local |
| 0.0.0.0/0 | IGW |

| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 3 | local |
| 0.0.0.0/0 | GWLBE03 |

static routes:
- 0.0.0.0/0

Associations:
- Spokes VPCs

ingress-Route-Table

| Destination | Next Hop |
|-------------|-------------------------|
| 0.0.0.0/0 | Security VPC attachment |

| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 2 | Local |

| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 2 | GWLBE02 |
| 0.0.0.0/0 | TGW |

egress-route-table

| Destination | Next Hop |
|----------------|------------------|
| TGW1 Spoke VPC | Spoke attachment |

Propagations:
- Spokes attachments

Associations:
- Security VPC

| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 1 | local |
| 0.0.0.0/0 | TGW |

| Destination | Next Hop |
|-----------------|--------------|
| Security VPC | local |
| 0.0.0.0/0 | GWLBe per AZ |
| NLB Subnet AZ-A | GWLBe AZ-A |
| NLB Subnet AZ-B | GWLBe AZ-B |
| NLB Subnet AZ-C | GWLBe AZ-C |

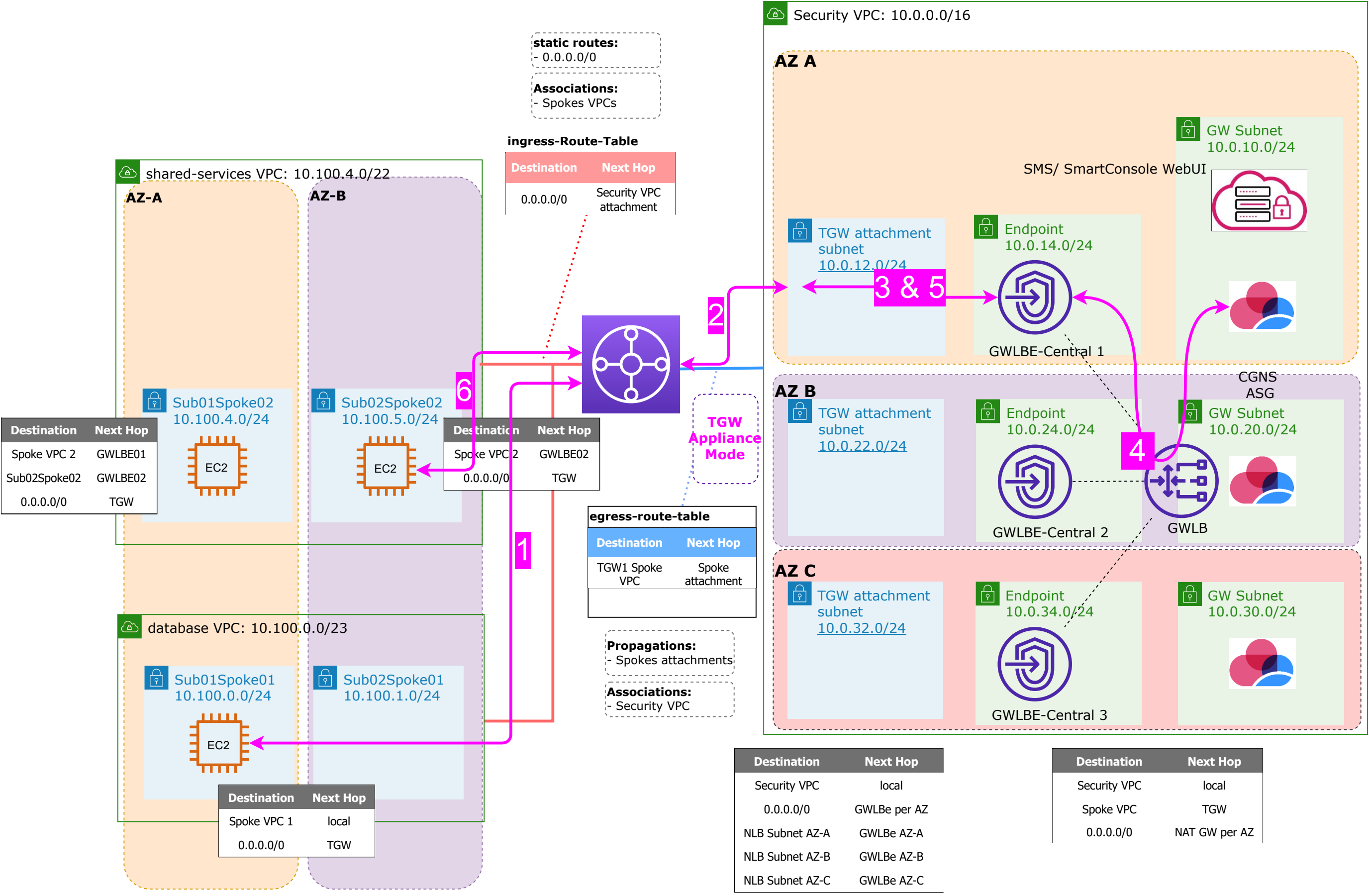
| Destination | Next Hop |
|--------------|---------------|
| Security VPC | local |
| Spoke VPC | TGW |
| 0.0.0.0/0 | NAT GW per AZ |

| Destination | Next Hop |
|--------------|--------------|
| Security VPC | local |
| Spoke VPC | GWLBe per AZ |
| 0.0.0.0/0 | IGW |

| Destination | Next Hop |
|--------------|---------------------|
| Security VPC | local |
| 0.0.0.0/0 | GWLBe for ingress-A |
| SPOKE CIDR | TGW |

| Destination | Next Hop |
|--------------|----------|
| Security VPC | local |
| 0.0.0.0/0 | IGW |

| Destination | Next Hop |
|-------------------|----------------------|
| Security VPC | local |
| NLB Subnet per AZ | GWLBe per ingress-AZ |



static routes:
- 0.0.0.0/0

Associations:
- Spokes VPCs

ingress-Route-Table

| Destination | Next Hop |
|-------------|-------------------------|
| 0.0.0.0/0 | Security VPC attachment |

| Destination | Next Hop |
|--------------|----------|
| Spoke VPC 2 | GWLBE01 |
| Sub02Spoke02 | GWLBE02 |
| 0.0.0.0/0 | TGW |

egress-route-table

| Destination | Next Hop |
|----------------|------------------|
| TGW1 Spoke VPC | Spoke attachment |

Propagations:
- Spokes attachments

Associations:
- Security VPC

| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 1 | local |
| 0.0.0.0/0 | TGW |

| Destination | Next Hop |
|-----------------|--------------|
| Security VPC | local |
| 0.0.0.0/0 | GWLBe per AZ |
| NLB Subnet AZ-A | GWLBe AZ-A |
| NLB Subnet AZ-B | GWLBe AZ-B |
| NLB Subnet AZ-C | GWLBe AZ-C |

| Destination | Next Hop |
|--------------|---------------|
| Security VPC | local |
| Spoke VPC | TGW |
| 0.0.0.0/0 | NAT GW per AZ |

Security VPC: 10.0.0.0/16

AZ A

- TGW attachment subnet 10.0.12.0/24
- Endpoint 10.0.14.0/24
- GW Subnet 10.0.10.0/24
- SMS/ SmartConsole WebUI
- GWLBE-Central 1

AZ B

- TGW attachment subnet 10.0.22.0/24
- Endpoint 10.0.24.0/24
- GW Subnet 10.0.20.0/24
- CGNS ASG
- GWLBE-Central 2
- GWLB

AZ C

- TGW attachment subnet 10.0.32.0/24
- Endpoint 10.0.34.0/24
- GW Subnet 10.0.30.0/24
- GWLBE-Central 3

2

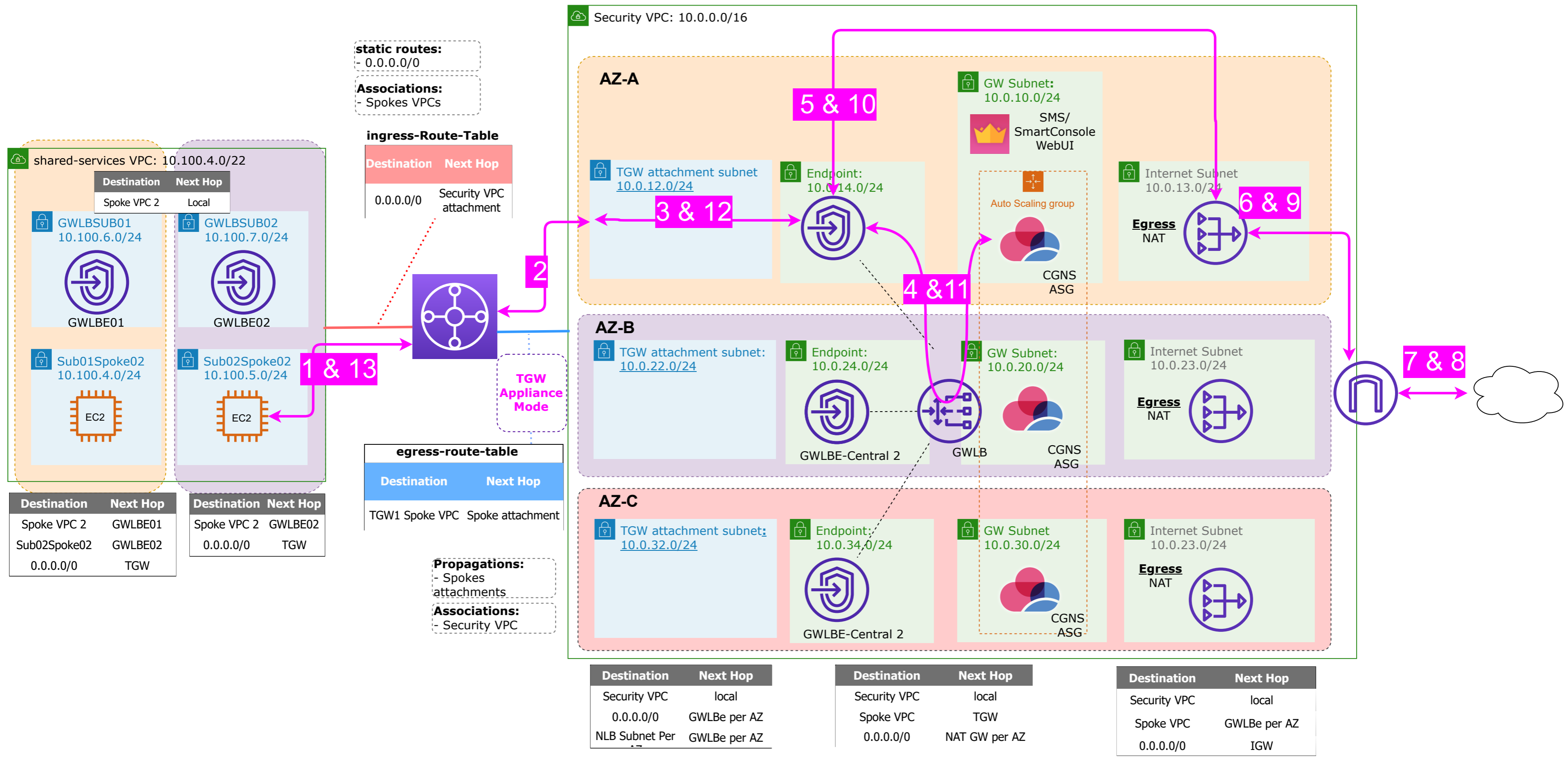
3 & 5

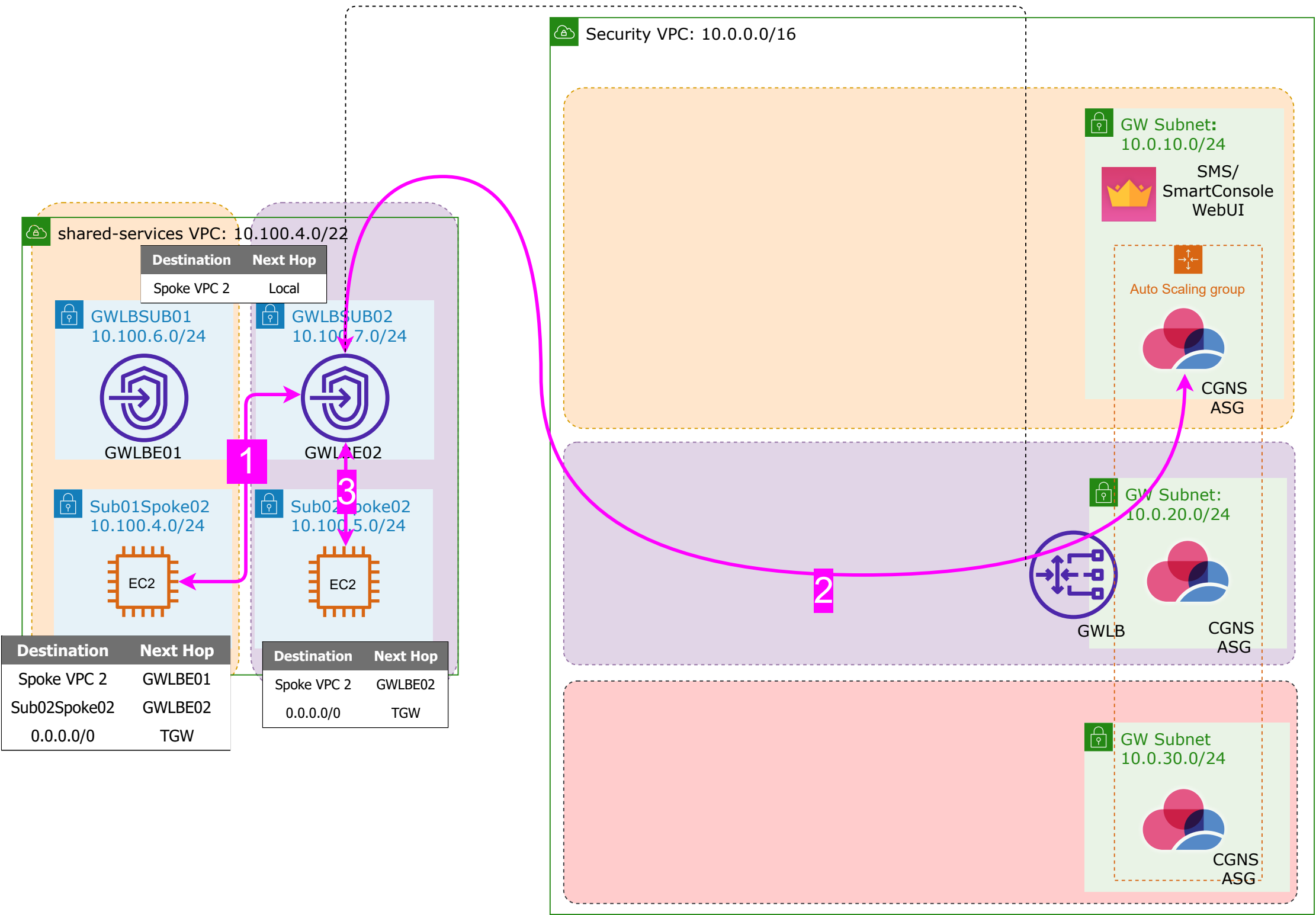
6

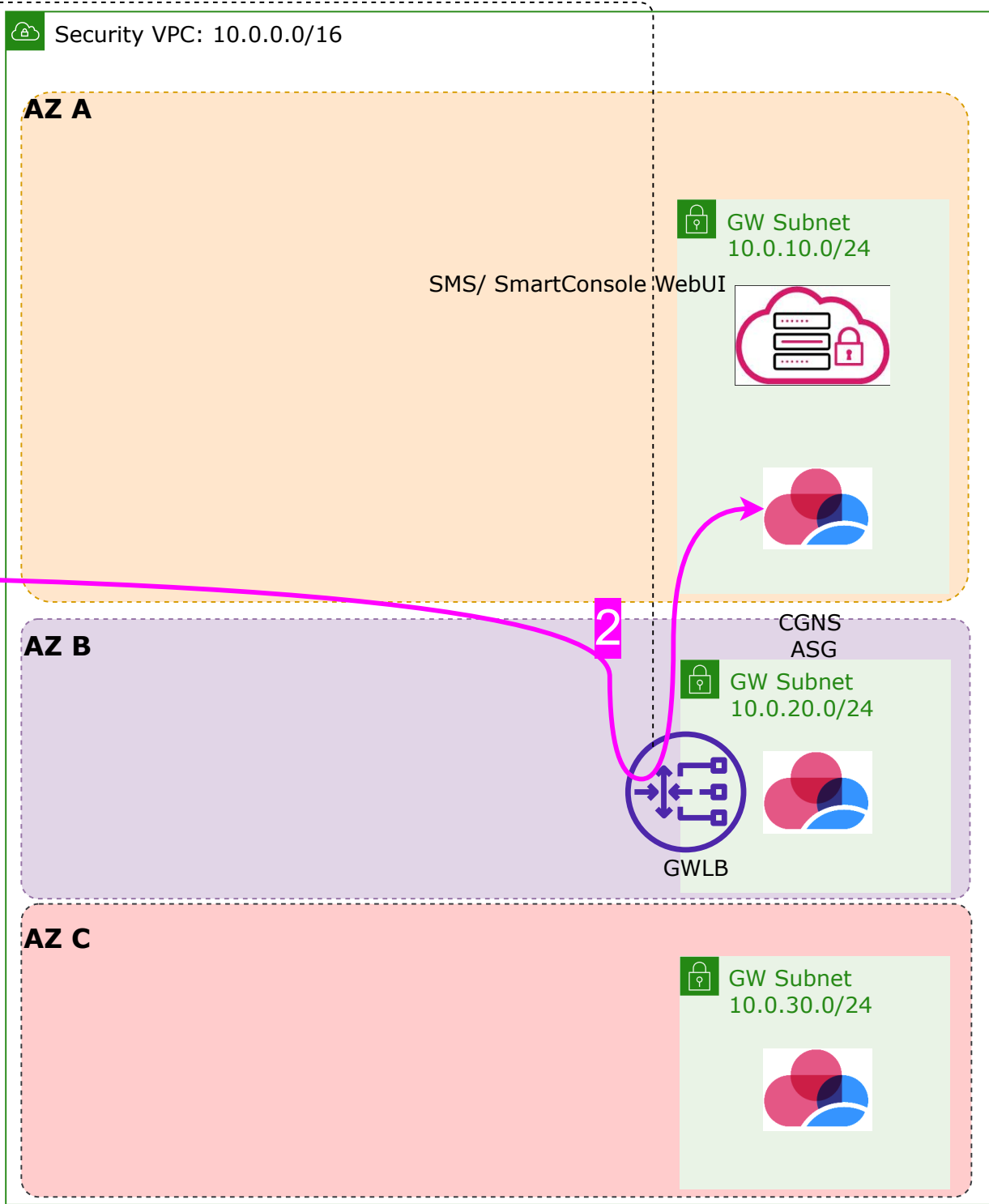
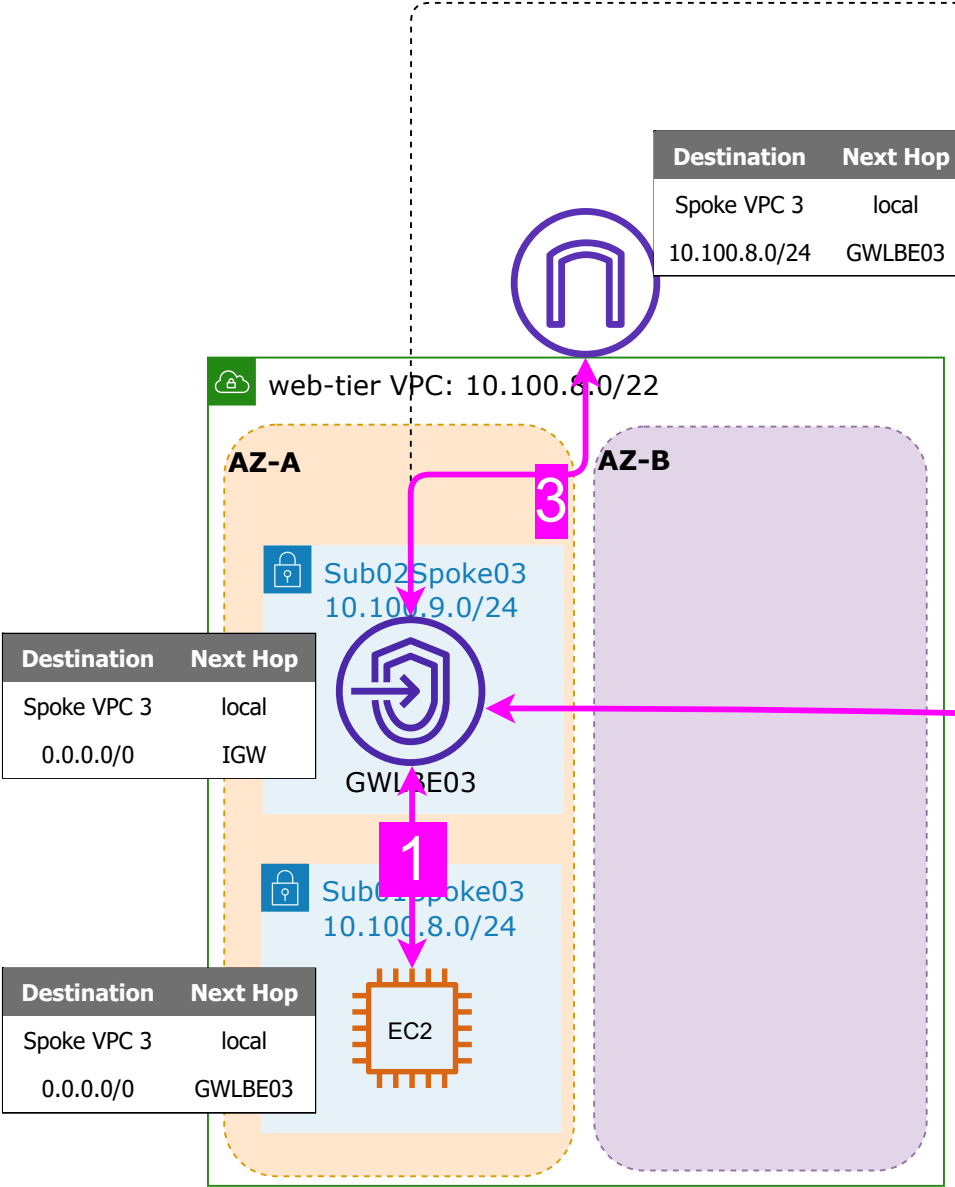
1

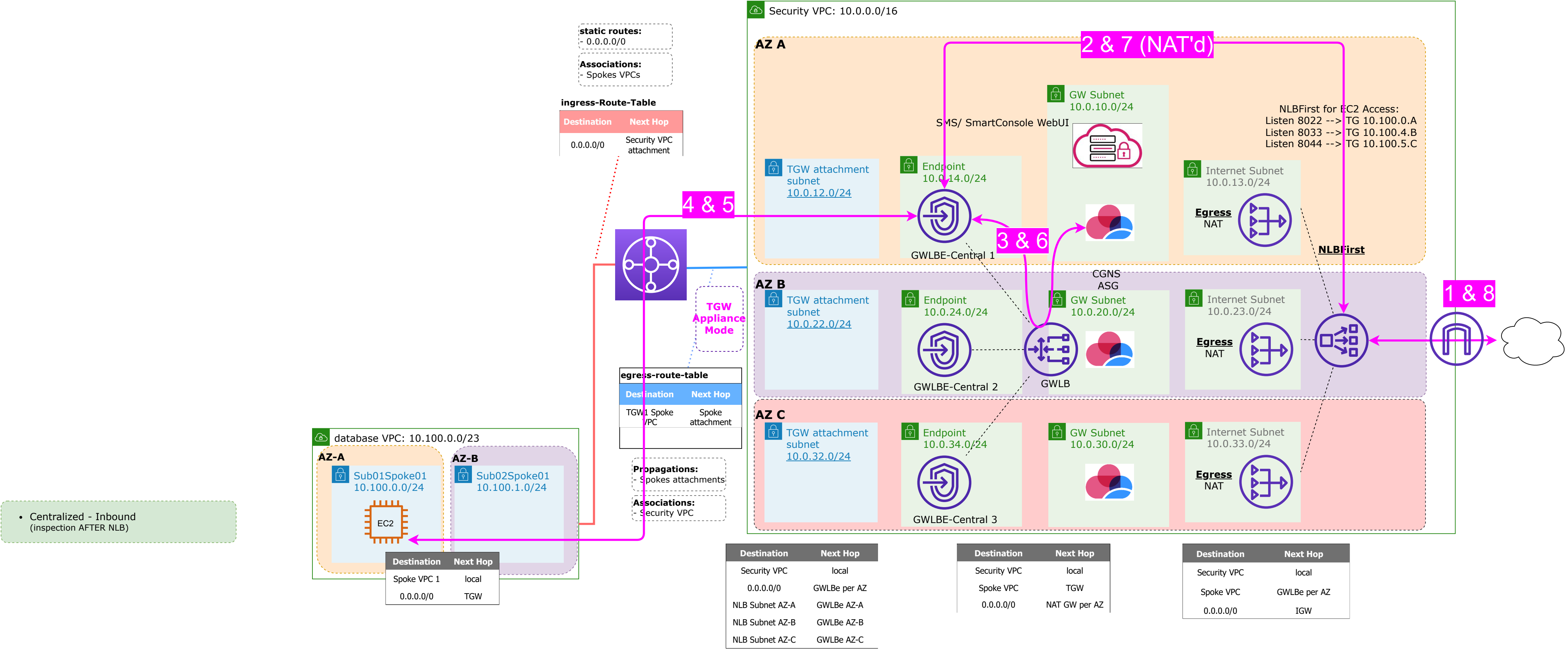
4

TGW Appliance Mode









static routes:
- 0.0.0.0/0

Associations:
- Spokes VPCs

ingress-Route-Table

| Destination | Next Hop |
|-------------|-------------------------|
| 0.0.0.0/0 | Security VPC attachment |

egress-route-table

| Destination | Next Hop |
|----------------|------------------|
| TGW1 Spoke VPC | Spoke attachment |

Propagations:
- Spokes attachments

Associations:
- Security VPC

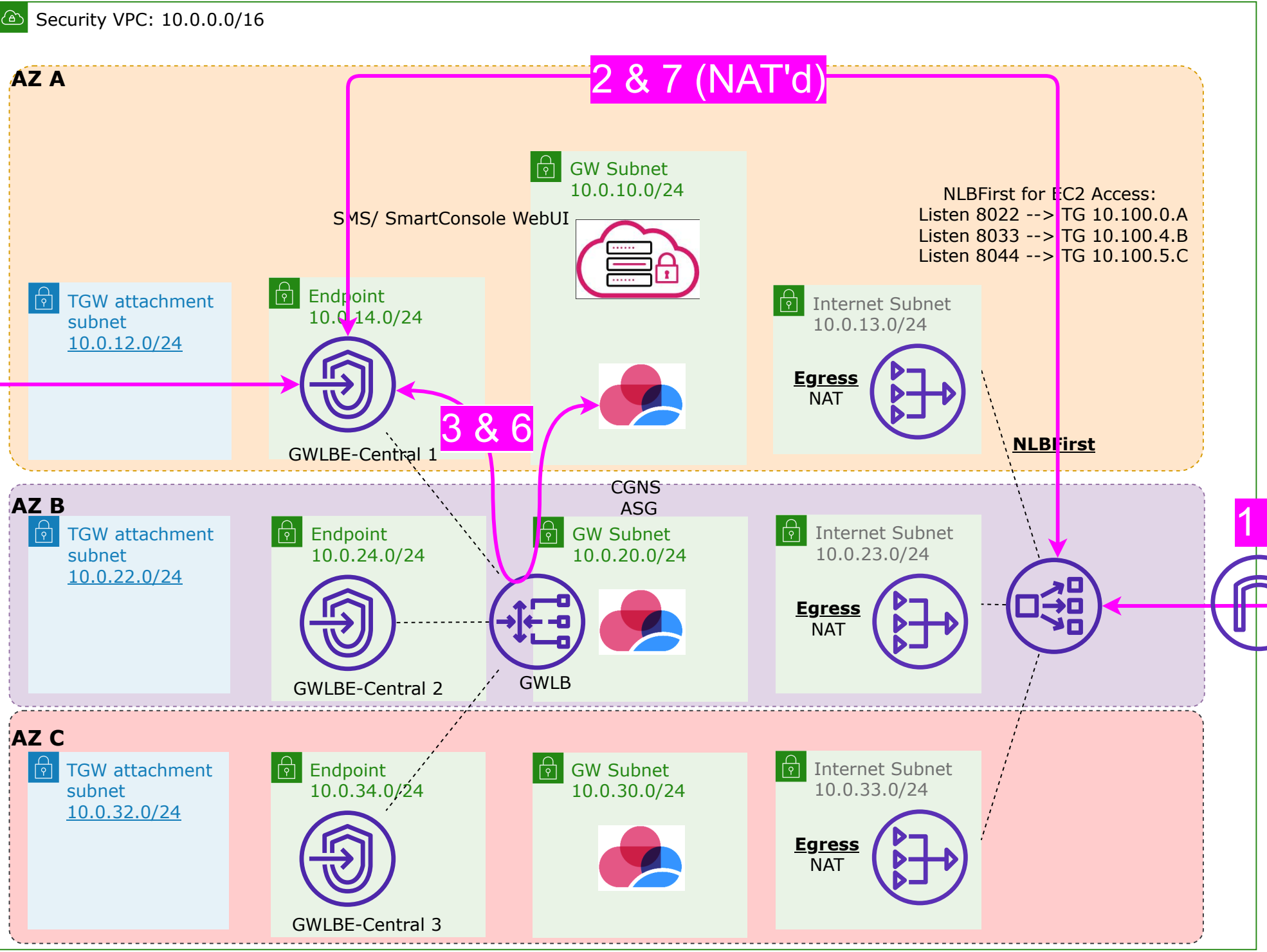
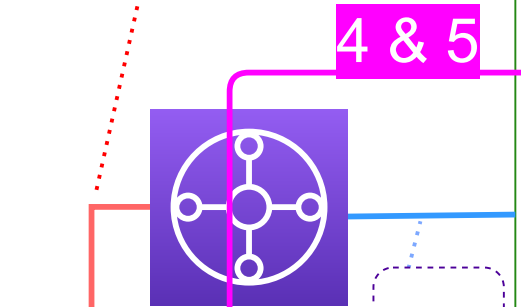
| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 1 | local |
| 0.0.0.0/0 | TGW |

| Destination | Next Hop |
|-----------------|--------------|
| Security VPC | local |
| 0.0.0.0/0 | GWLBe per AZ |
| NLB Subnet AZ-A | GWLBe AZ-A |
| NLB Subnet AZ-B | GWLBe AZ-B |
| NLB Subnet AZ-C | GWLBe AZ-C |

| Destination | Next Hop |
|--------------|---------------|
| Security VPC | local |
| Spoke VPC | TGW |
| 0.0.0.0/0 | NAT GW per AZ |

| Destination | Next Hop |
|--------------|--------------|
| Security VPC | local |
| Spoke VPC | GWLBe per AZ |
| 0.0.0.0/0 | IGW |

Centralized - Inbound (inspection AFTER NLB)



1 & 8

2 & 7 (NAT'd)

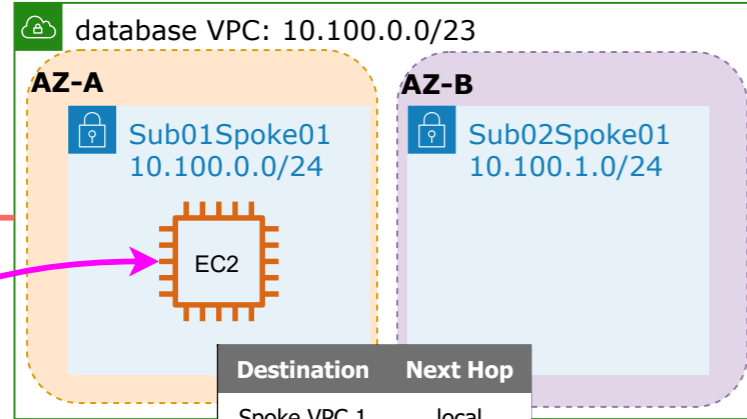
4 & 5

3 & 6

NLBFirst

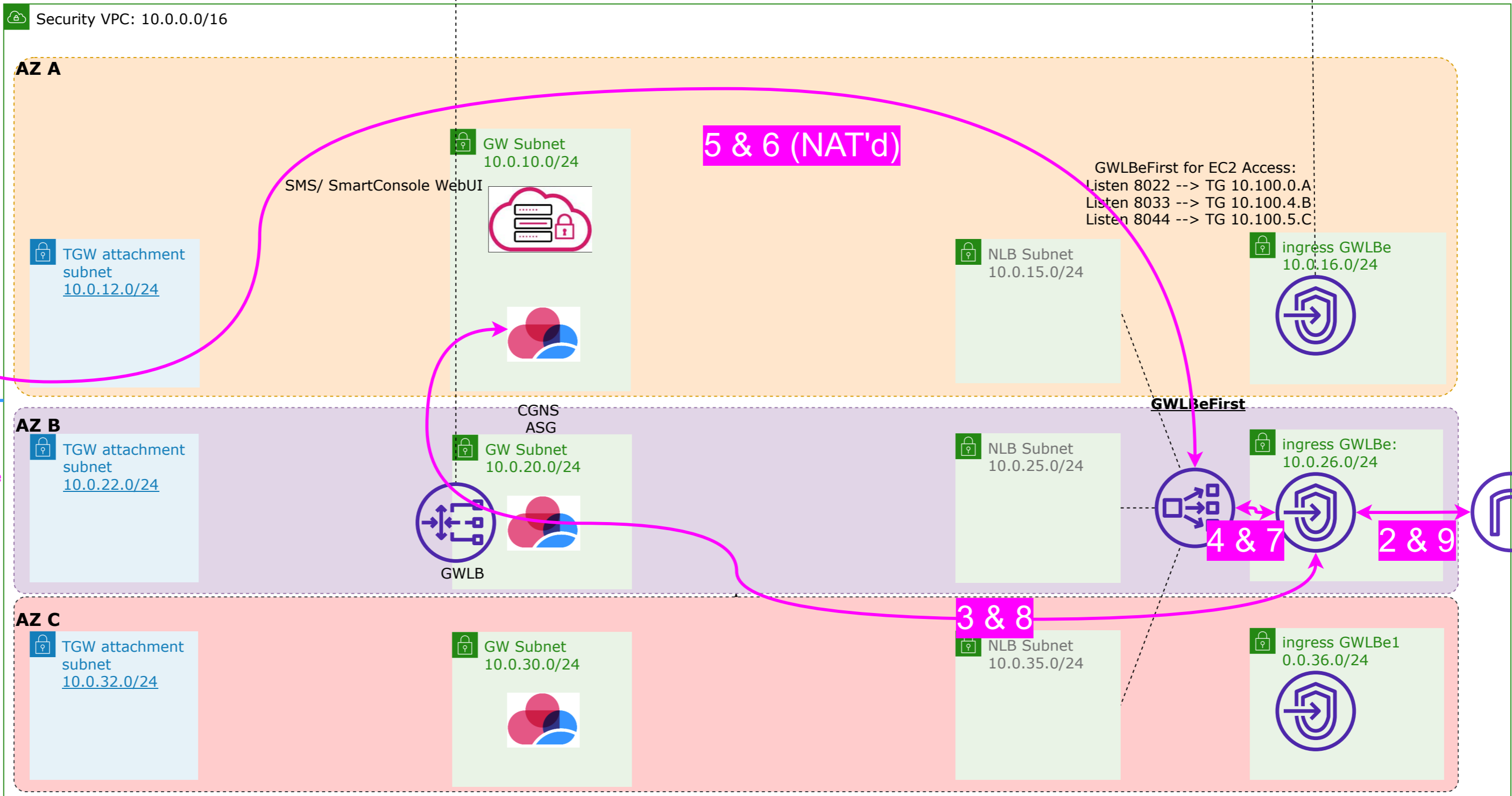
NLBFirst for EC2 Access:
Listen 8022 --> TG 10.100.0.A
Listen 8033 --> TG 10.100.4.B
Listen 8044 --> TG 10.100.5.C





| Destination | Next Hop |
|-------------|----------|
| Spoke VPC 1 | local |
| 0.0.0.0/0 | TGW |

• Centralized - Inbound
(inspection BEFORE NLB)

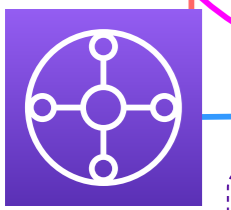


static routes:
- 0.0.0.0/0

Associations:
- Spokes VPCs

ingress-Route-Table

| Destination | Next Hop |
|-------------|-------------------------|
| 0.0.0.0/0 | Security VPC attachment |



TGW Appliance Mode

egress-route-table

| Destination | Next Hop |
|----------------|------------------|
| TGW1 Spoke VPC | Spoke attachment |

Propagations:
- Spokes attachments

Associations:
- Security VPC

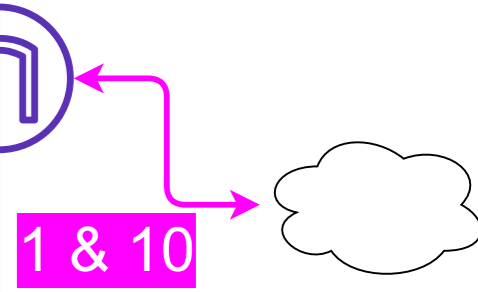
| Destination | Next Hop |
|-------------------|----------------------|
| Security VPC | local |
| NLB Subnet per AZ | GWLBe per ingress-AZ |

| Destination | Next Hop |
|-----------------|--------------|
| Security VPC | local |
| 0.0.0.0/0 | GWLBe per AZ |
| NLB Subnet AZ-A | GWLBe AZ-A |
| NLB Subnet AZ-B | GWLBe AZ-B |
| NLB Subnet AZ-C | GWLBe AZ-C |

| Next Hop |
|---------------|
| local |
| TGW |
| NAT GW per AZ |

| Destination | Next Hop |
|--------------|---------------------|
| Security VPC | local |
| 0.0.0.0/0 | GWLBe for ingress-A |
| SPOKE CIDR | TGW |

| Destination | Next Hop |
|--------------|----------|
| Security VPC | local |
| 0.0.0.0/0 | IGW |



USE-CASE 1 & 2

Centralized - E/W & outbound

USE-CASE 3

Distributed - MSR

USE-CASE 4

Distributed - Inbound and Outbound Only

USE-CASE 5 & 6

Centralized - Inbound ELB

