AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

ARC324

From one to many: Evolving VPC design

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THE ART OF THE POSSIBLE

Artifacts, fostering progression



POWERED BY HASHICORP TERRAFORM MODULES

GLOBAL NETWORK DEPLOYER

NETWORK DEPLOYER

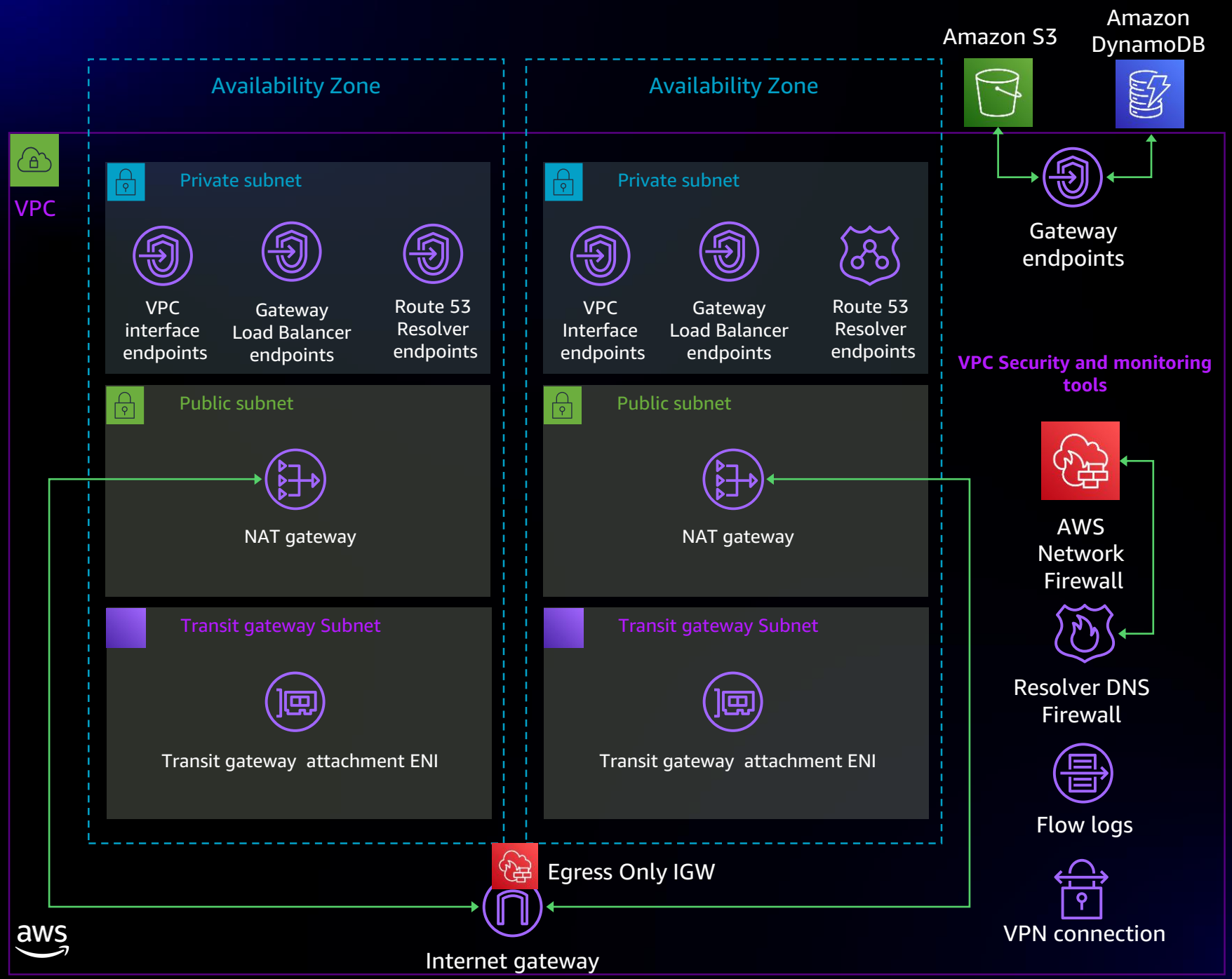
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aws

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A Quick Trip Down Memory Lane

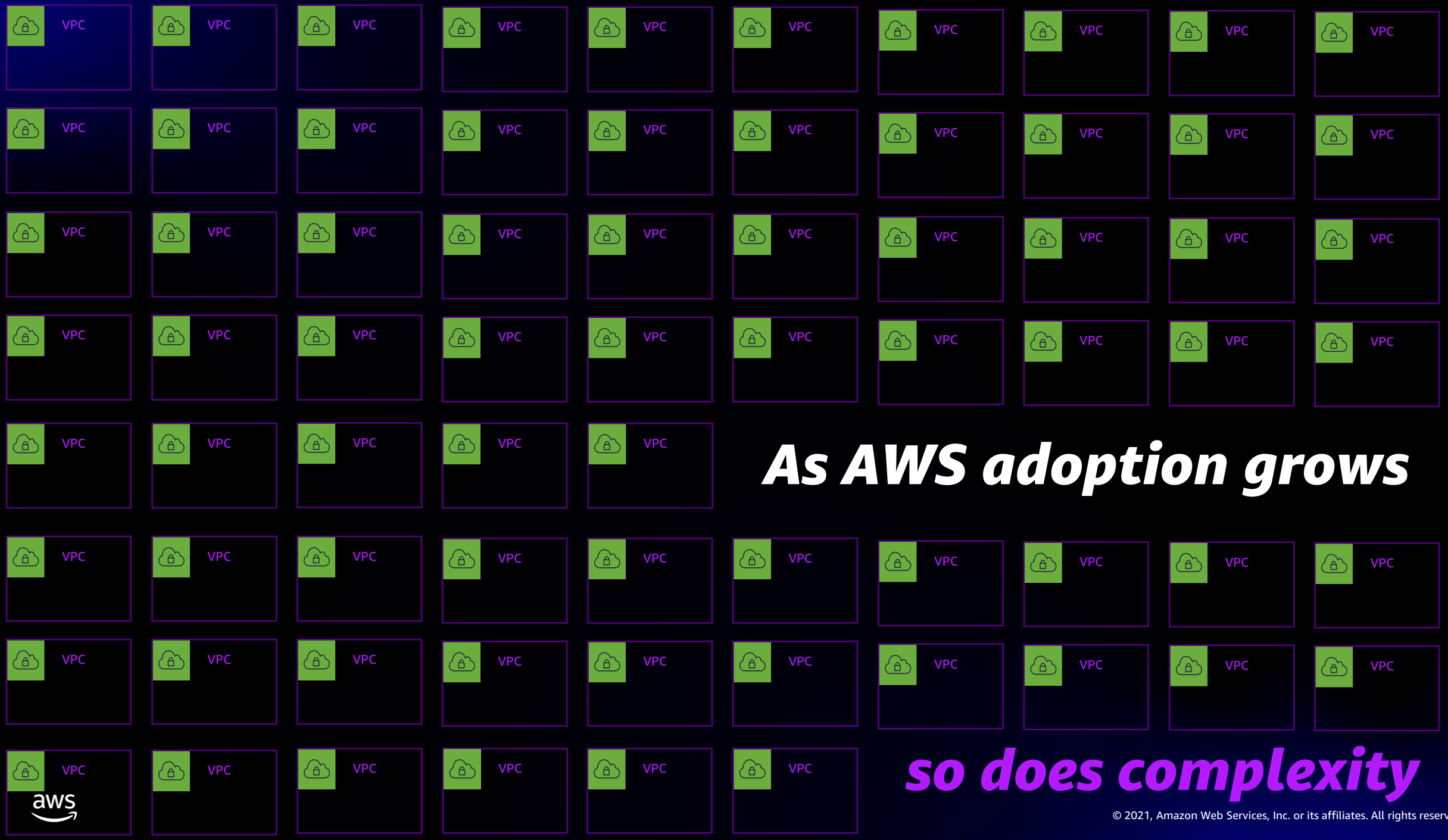
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IPv4		IPv6	
/28	/16	/64	/56
Mandatory		Global unicast	

Distribute subnets across AZs

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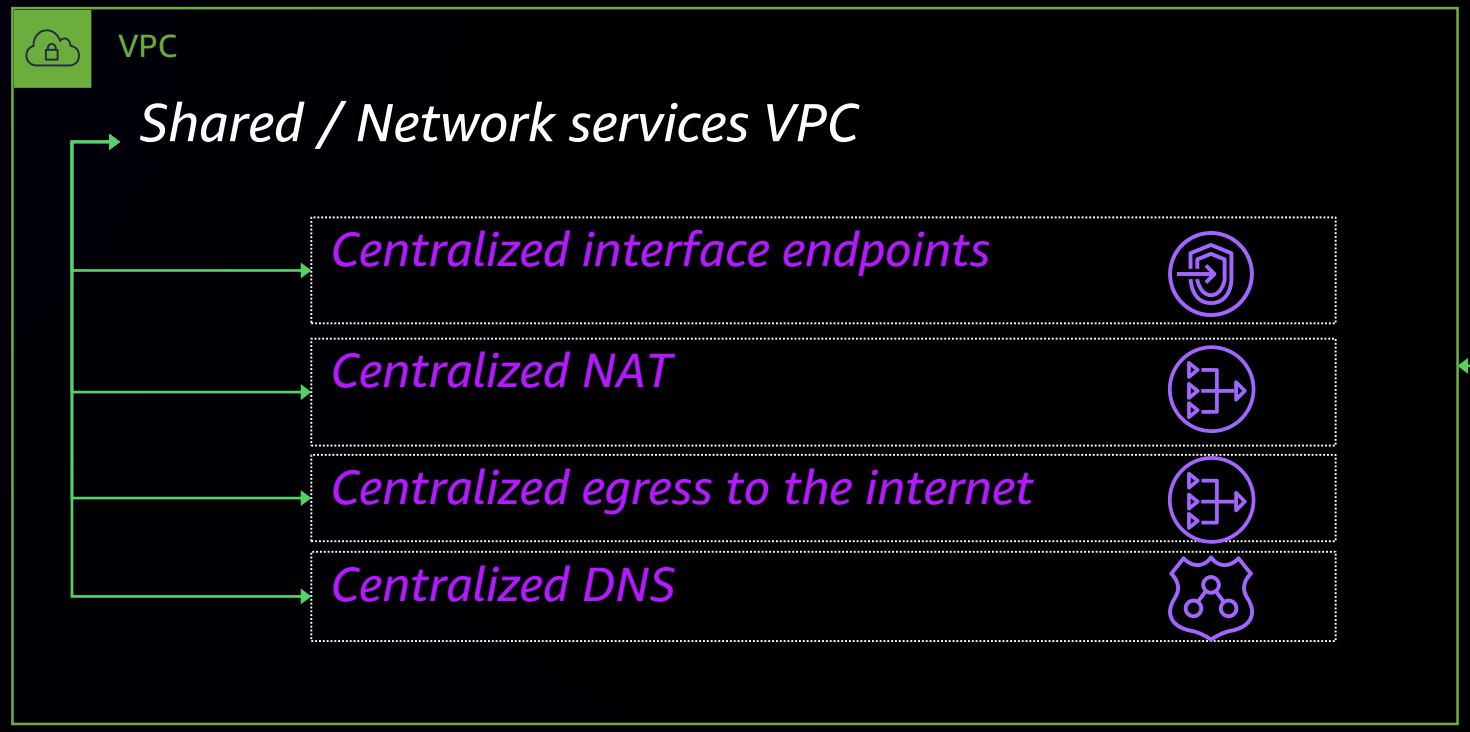
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Reducing Complexity

- Centralizing resources that are required by all VPCs
  - Interface Endpoints
  - NAT Gateway
  - Packet Inspection
  - Internet Egress & Ingress
  - DNS
- Repeatable Deployable Units of Networking
- Automated Discovery of Centralized Resources
- Simplify Edge Networking Case Solutions

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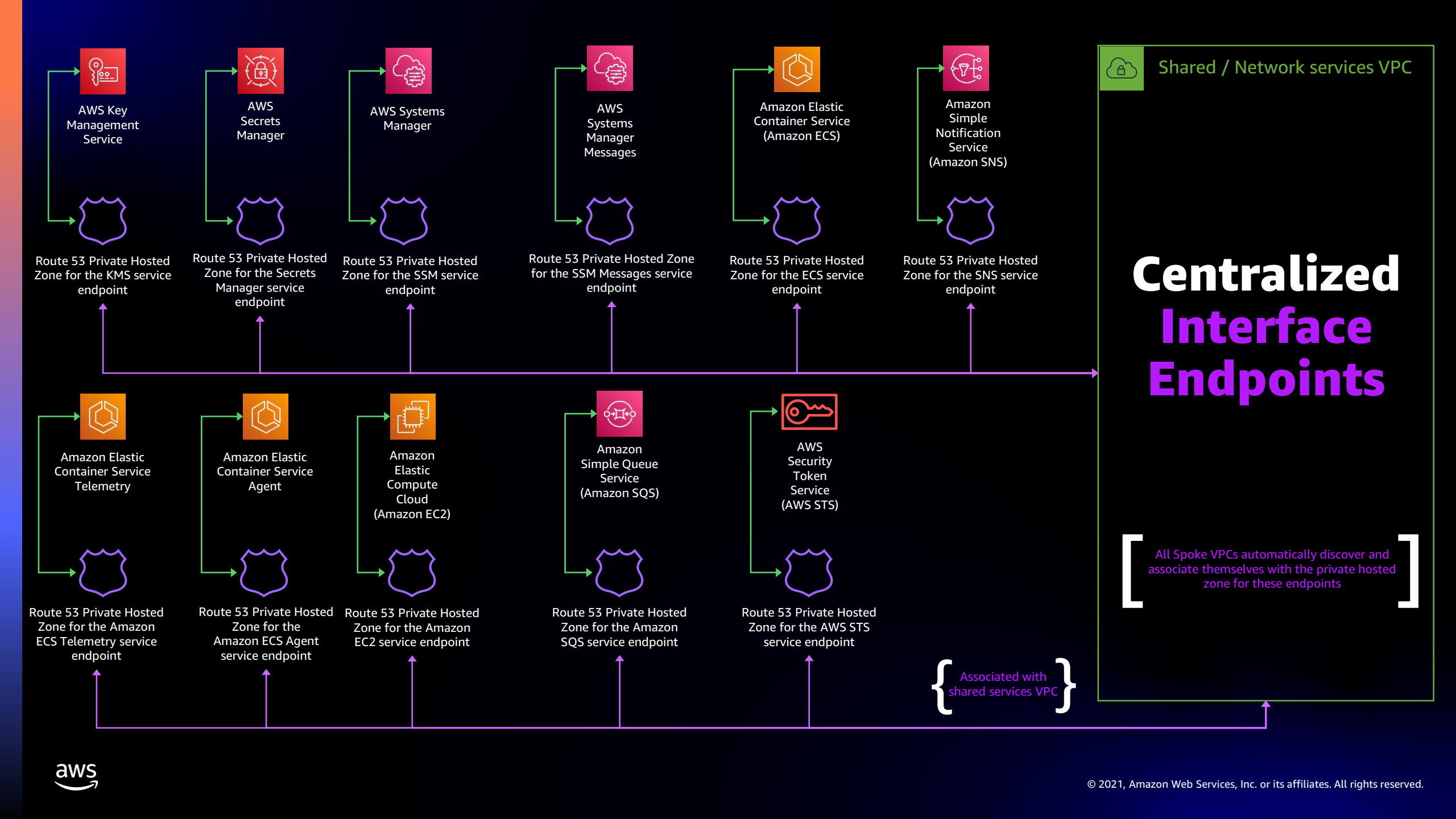
Network Deployer



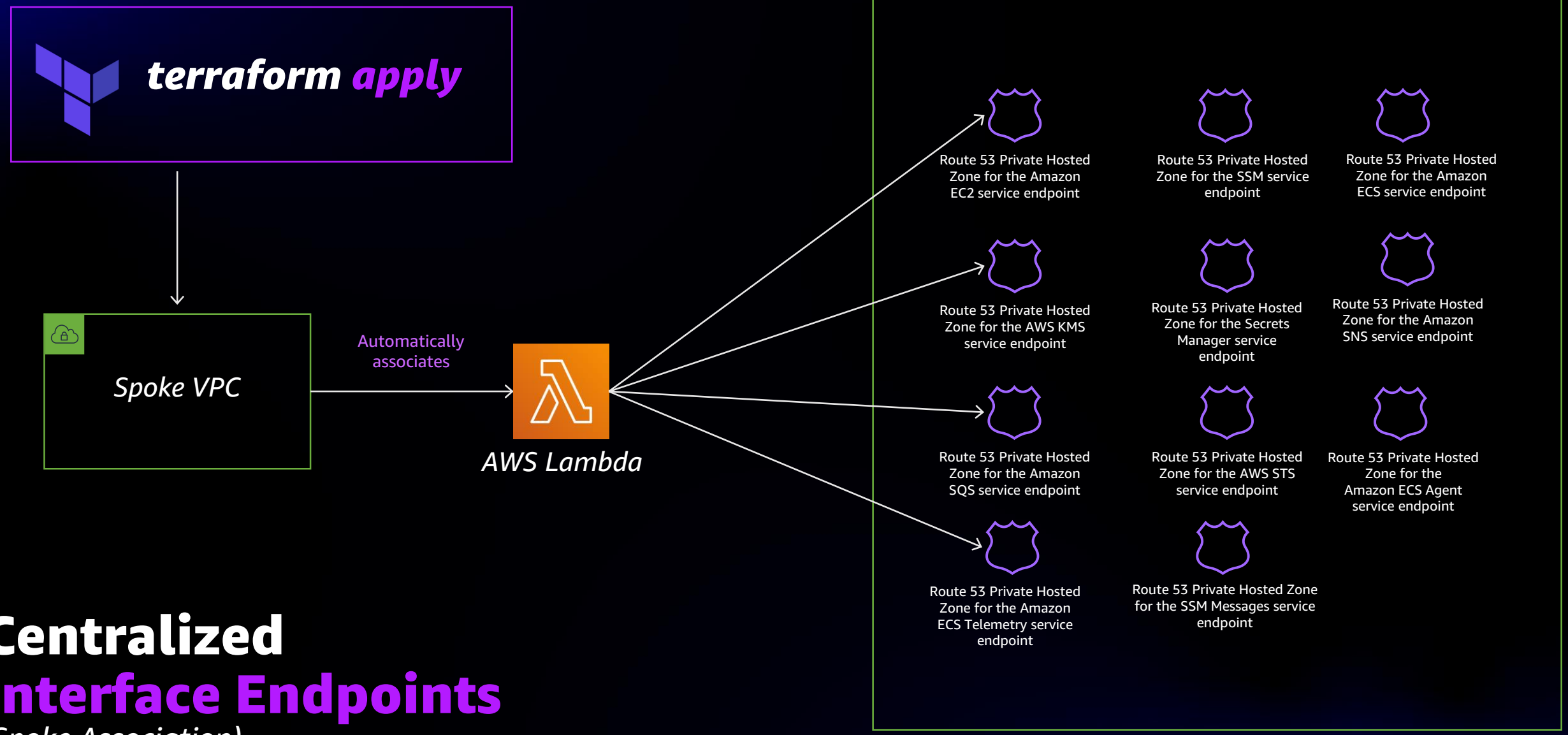
Automatically integrates



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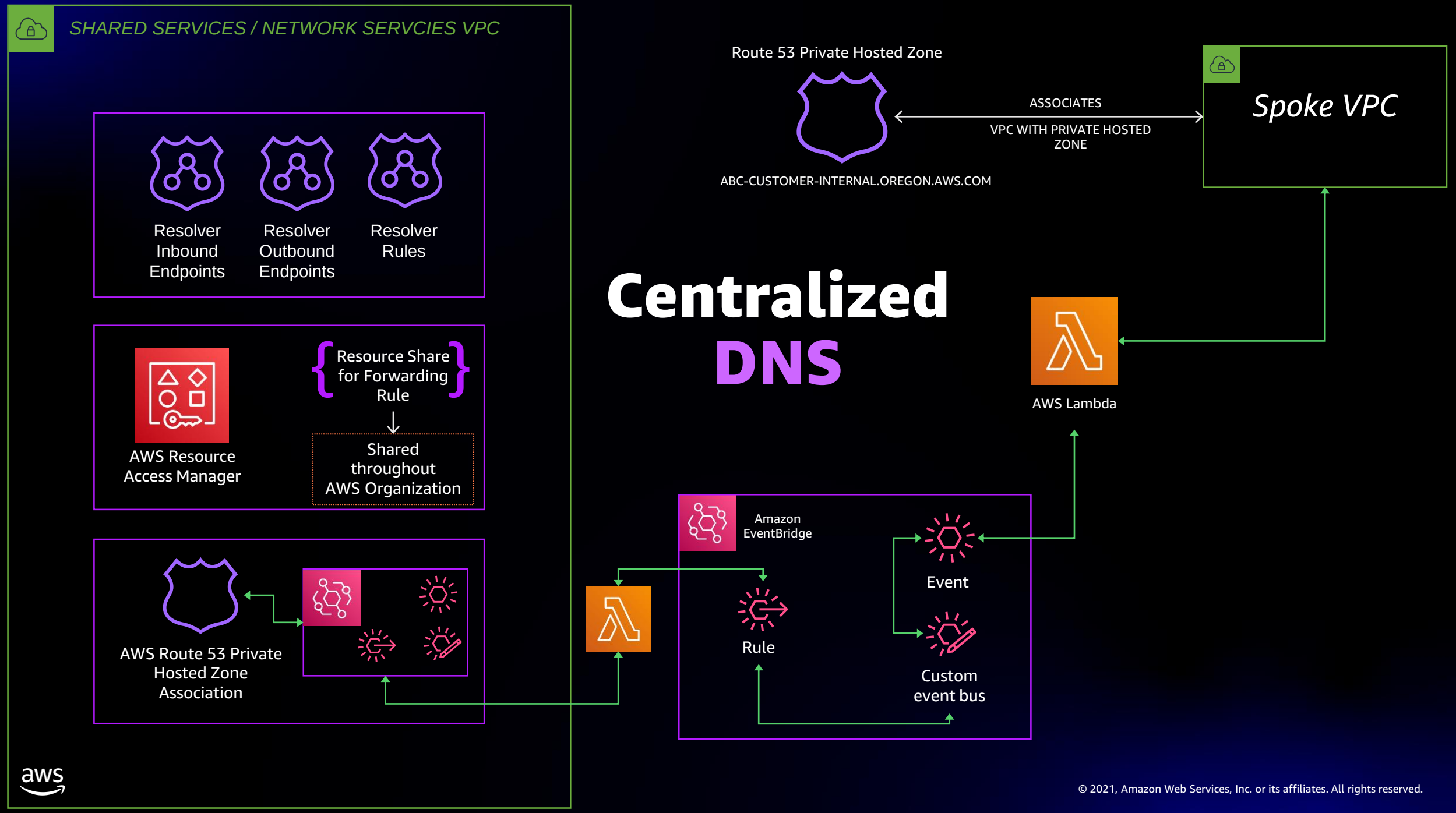
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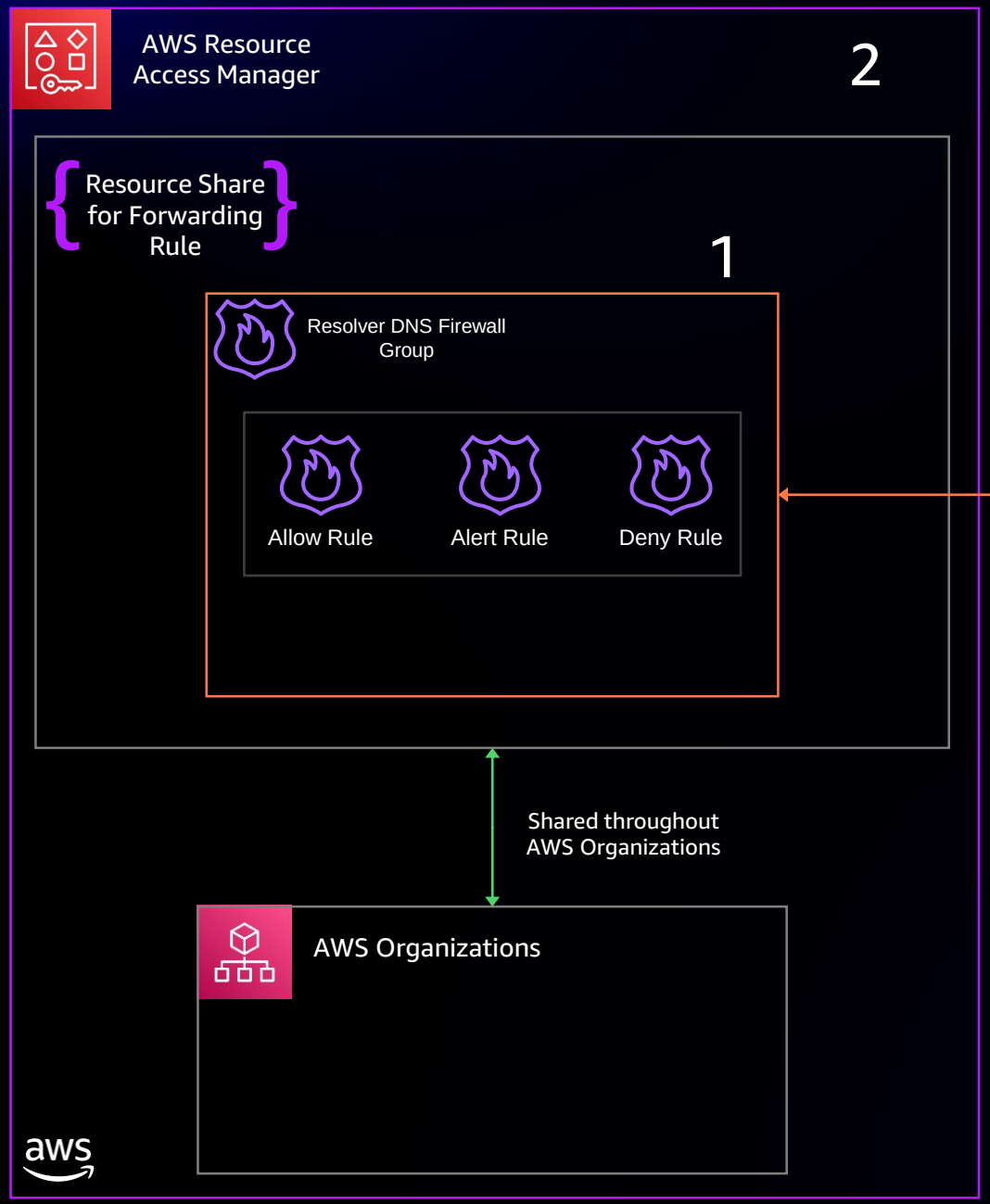
Centralized Interface Endpoints

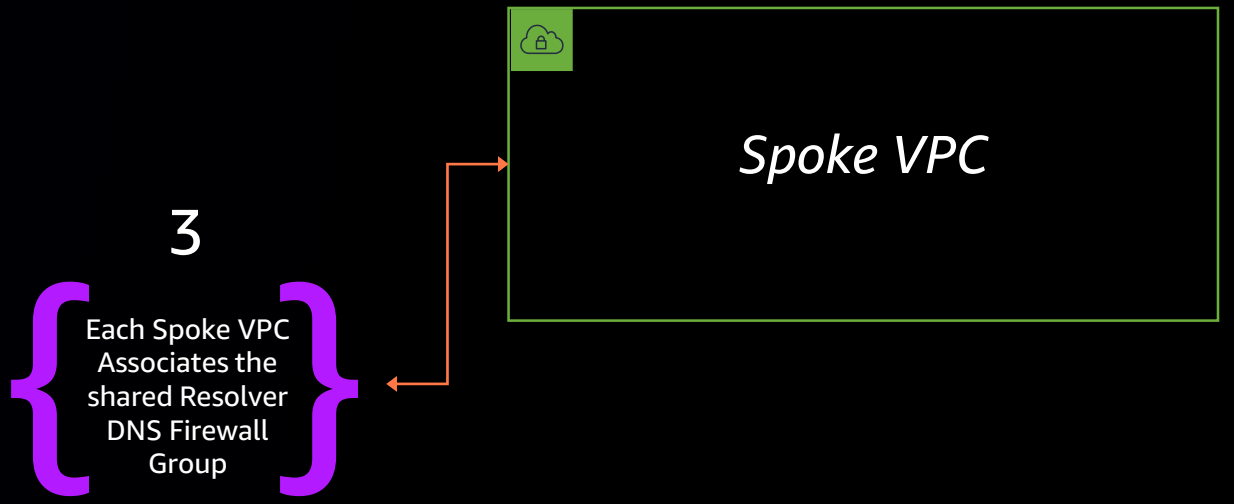
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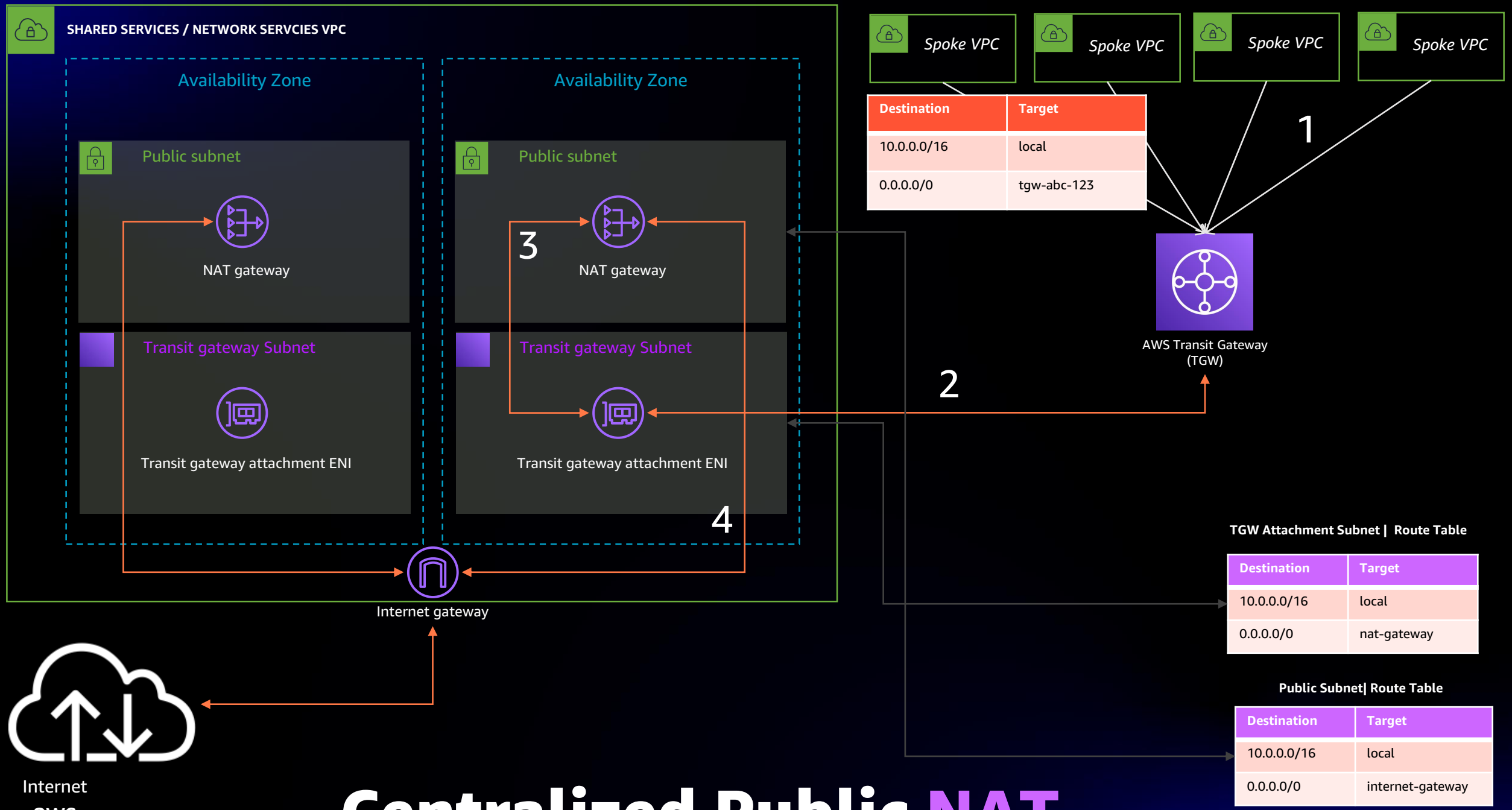
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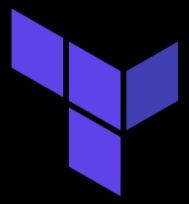
Centralized Route 53 Resolver DNS Firewall Group

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Centralized Public NAT

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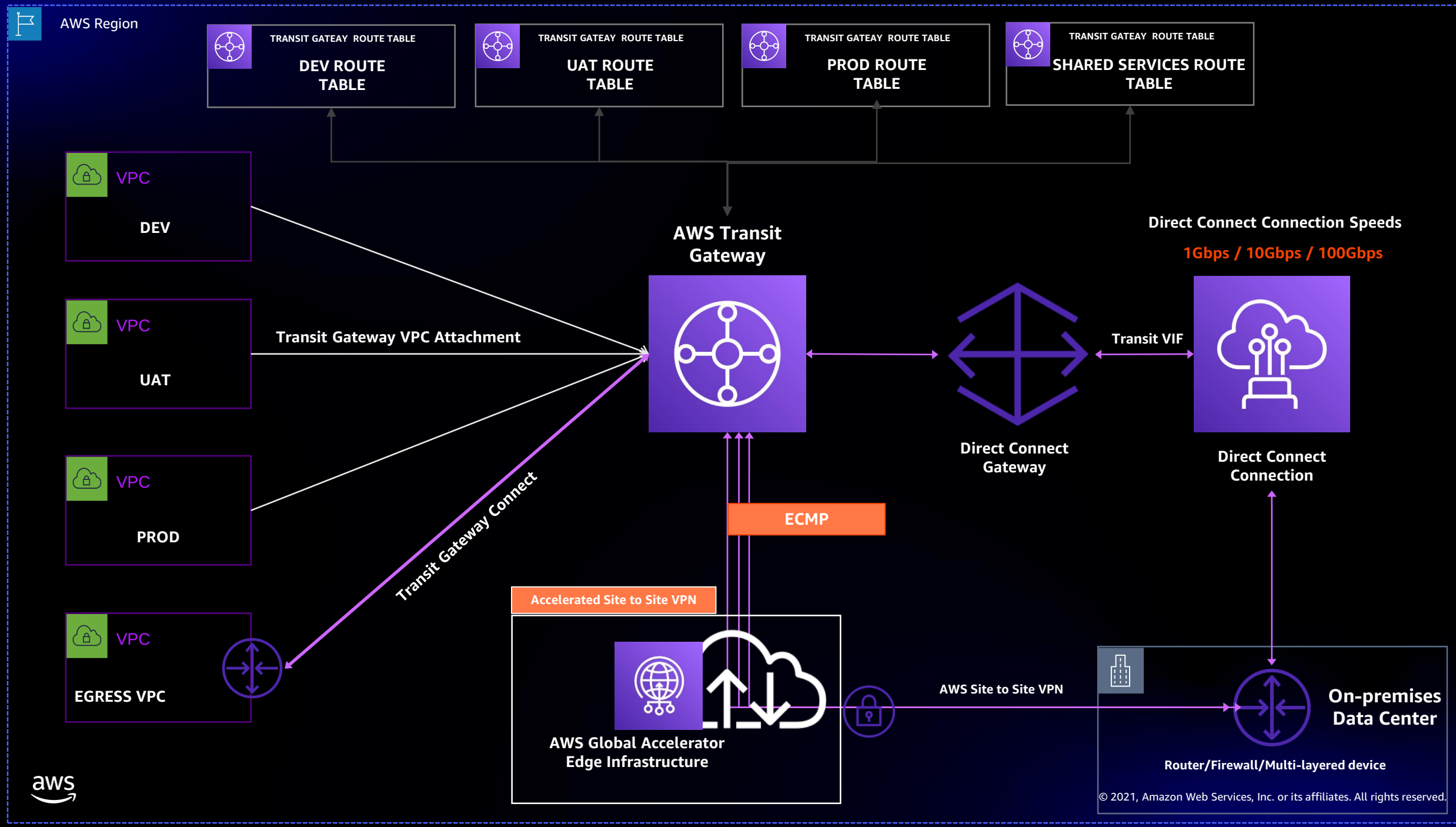


Global Network Deployer

Deploys a Globally Meshed Network of Transit Gateways

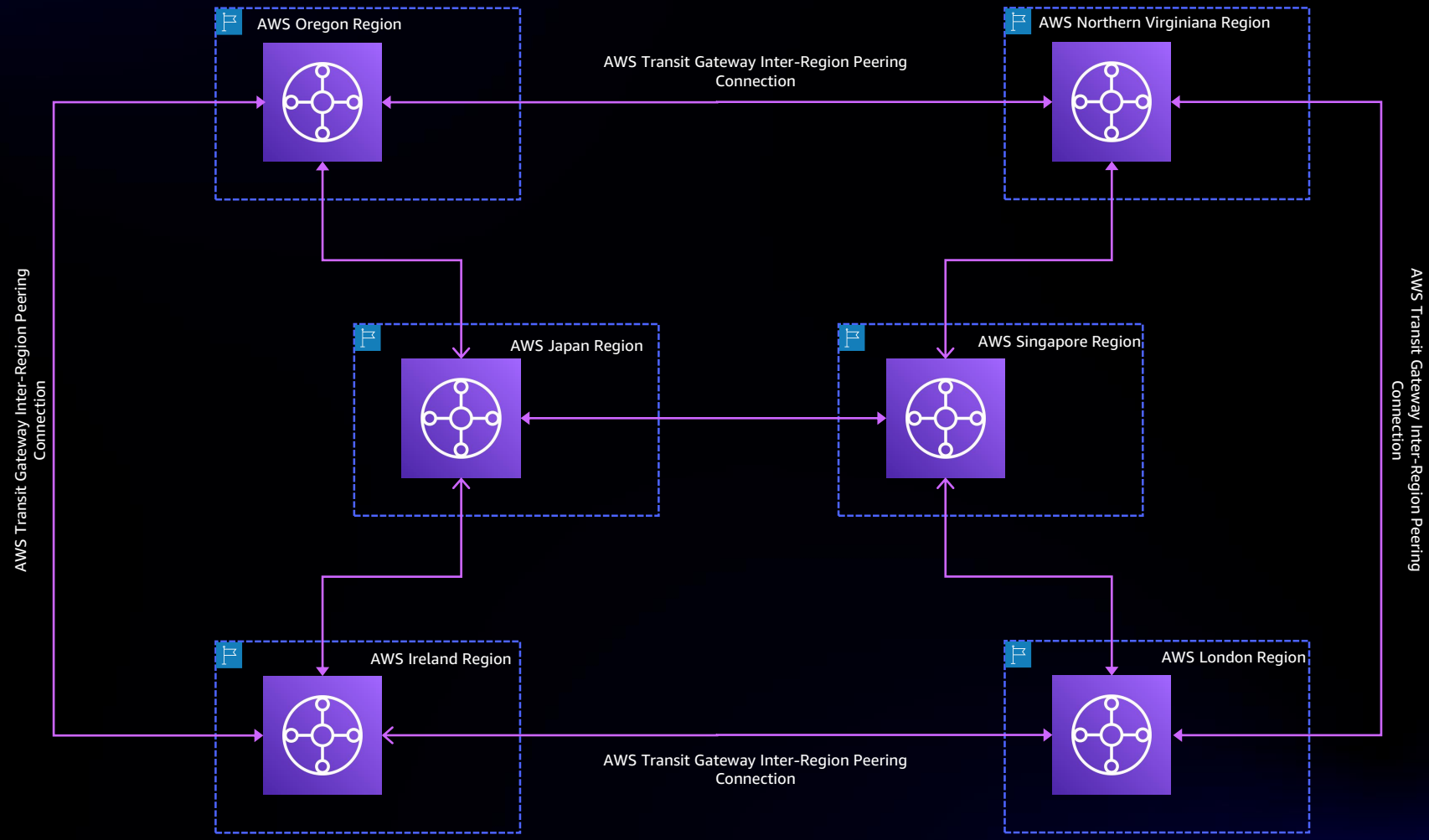
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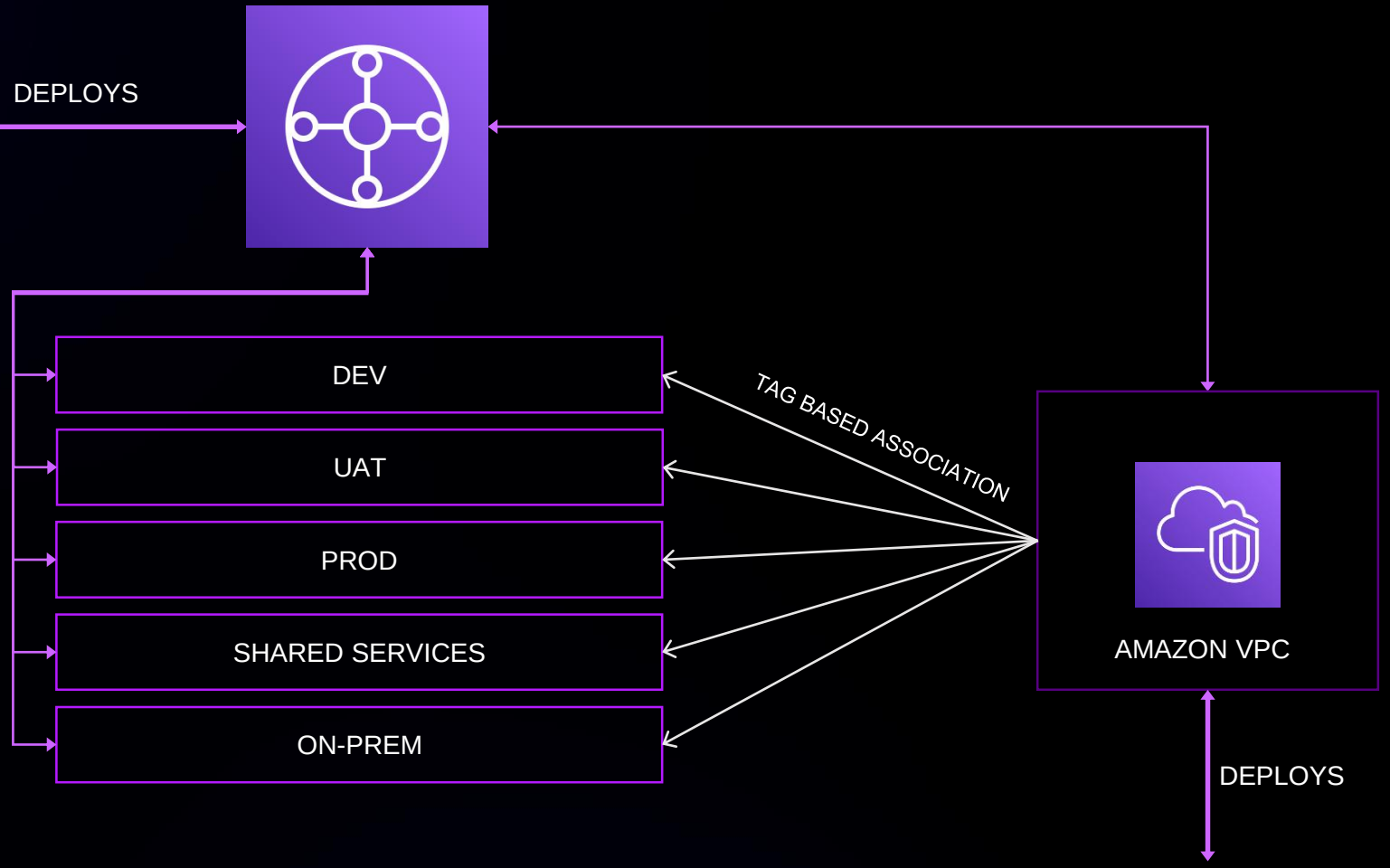
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Layer 3 Hub

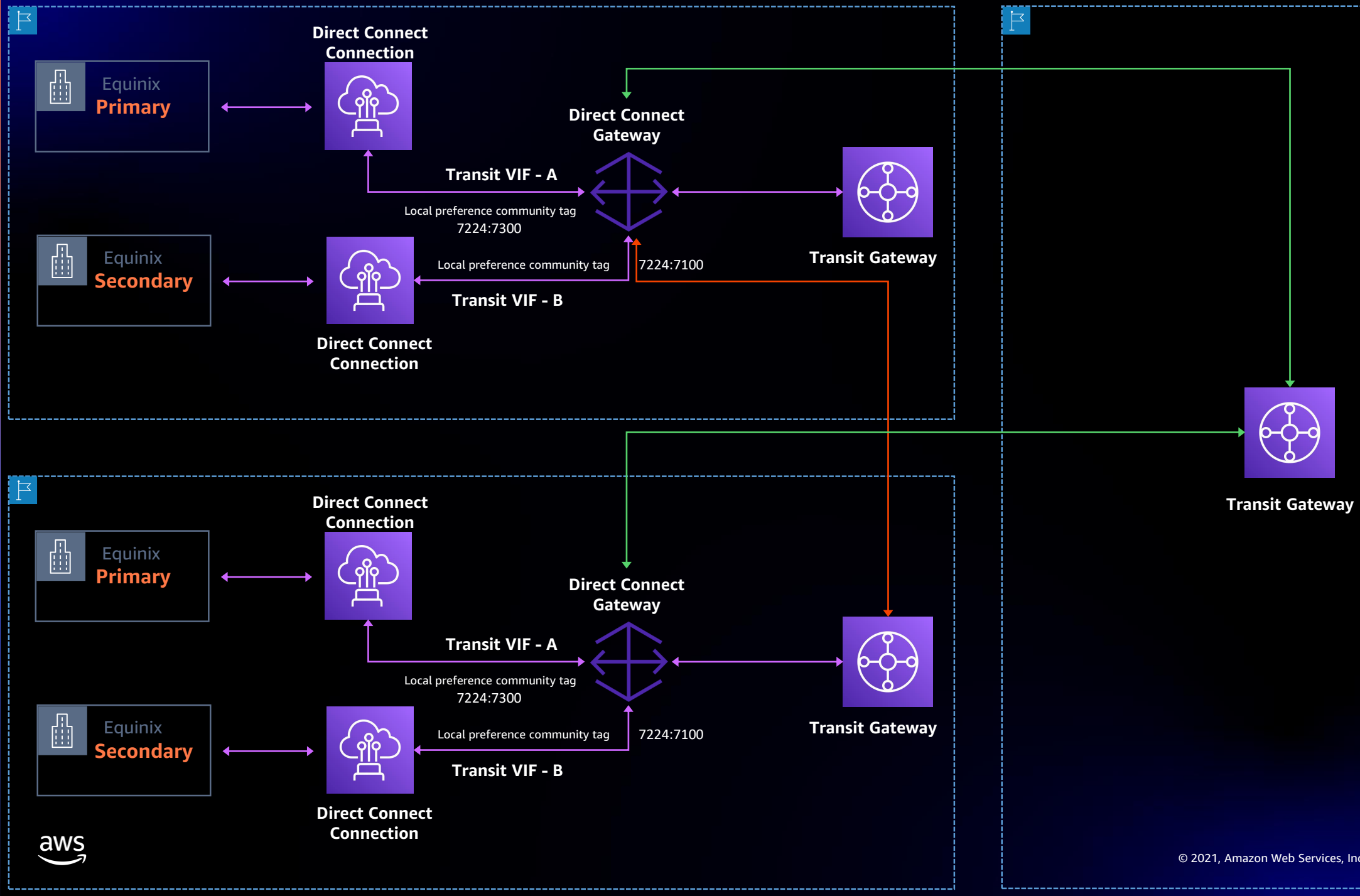


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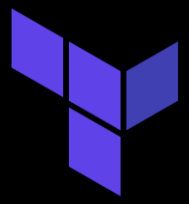
Solution Integration Points



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Global Network Deployer Links

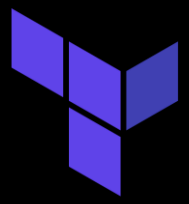
Terraform Registry

https://registry.terraform.io/modules/aws-ia/globalnetwork/aws/latest

AWS GitHub Repo

github.com/aws-ia/terraform-aws-globalnetwork

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Network Deployer Links

Available End of Week

Terraform on AWS

https://aws.amazon.com/quickstart/architecture/terraform-modules-on-aws/

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Thank you!

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