
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

NET323

# Extending your on-premises network segmentation on AWS


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# Expectations/rules of engagement

This is a chalk talk, so don’t hesitate to ask questions!

Since this is a 300-level chalk talk, we assume an associate-level Solutions Architect knowledge of Amazon Web Services (AWS services, VPCs, multi-VPC networking, and application architectures)

We’ll be available after the session to answer any additional questions and discuss further

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# Hybrid cloud networking

JOINING CLOUD AND ON-PREMISES TO ENSURE YOUR ABILITY TO GROW AND SCALE ANYWHERE



## Hybrid cloud networking

Establish secure network connectivity between AWS and your on-premises data centers, branch offices, and remote teams

### AWS Cloud WAN
Create a global network that connects resources within the cloud to on-premises environments

### AWS Direct Connect
Private connectivity between AWS and your on-premises network

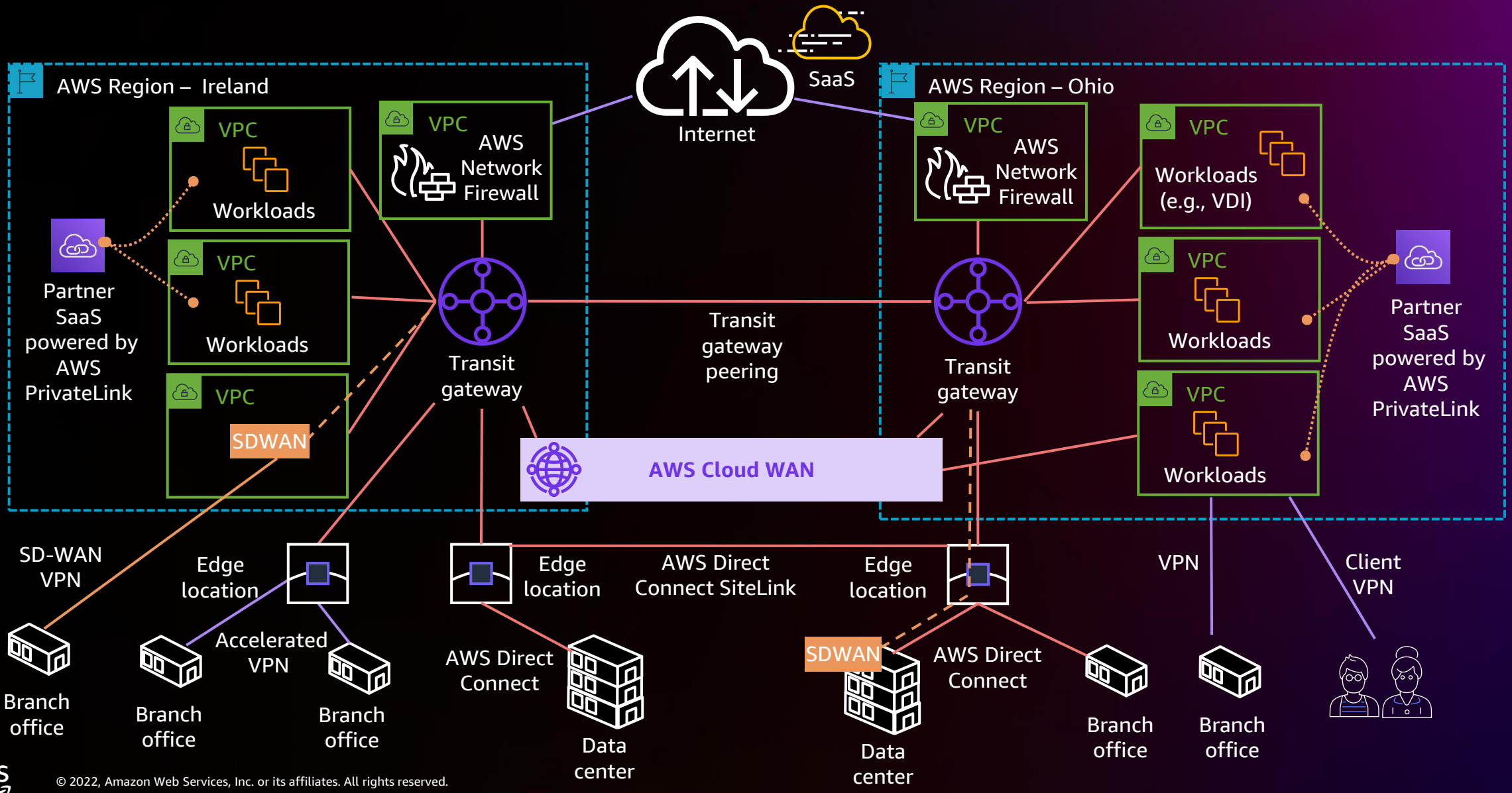
### AWS Transit Gateway
Create a secure connection between your data center or branch office and your AWS Cloud resources

### AWS Site-to-Site VPN
Create a secure connection between your data center or branch office and your AWS Cloud resources

aws

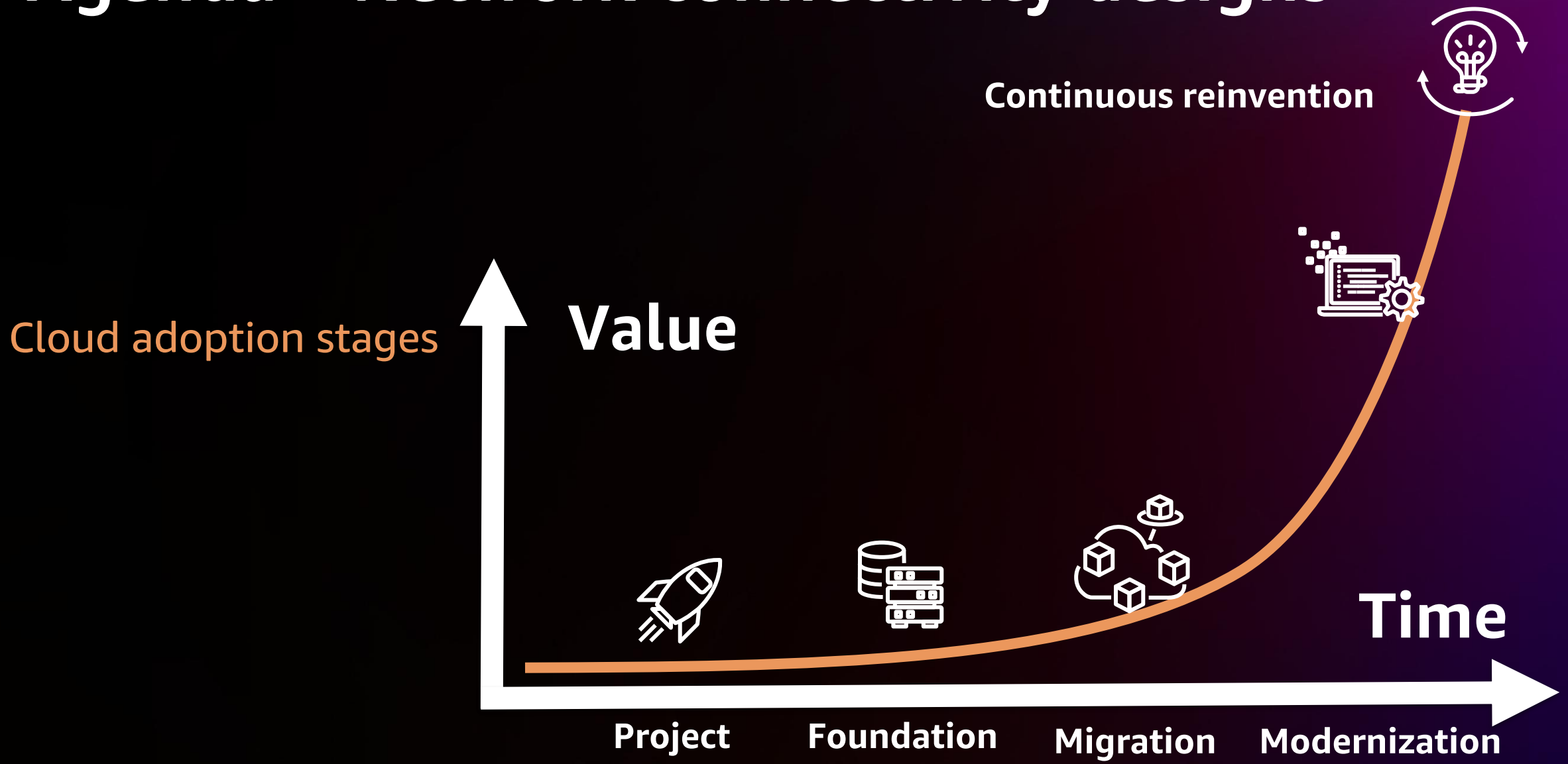
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# AWS networking services



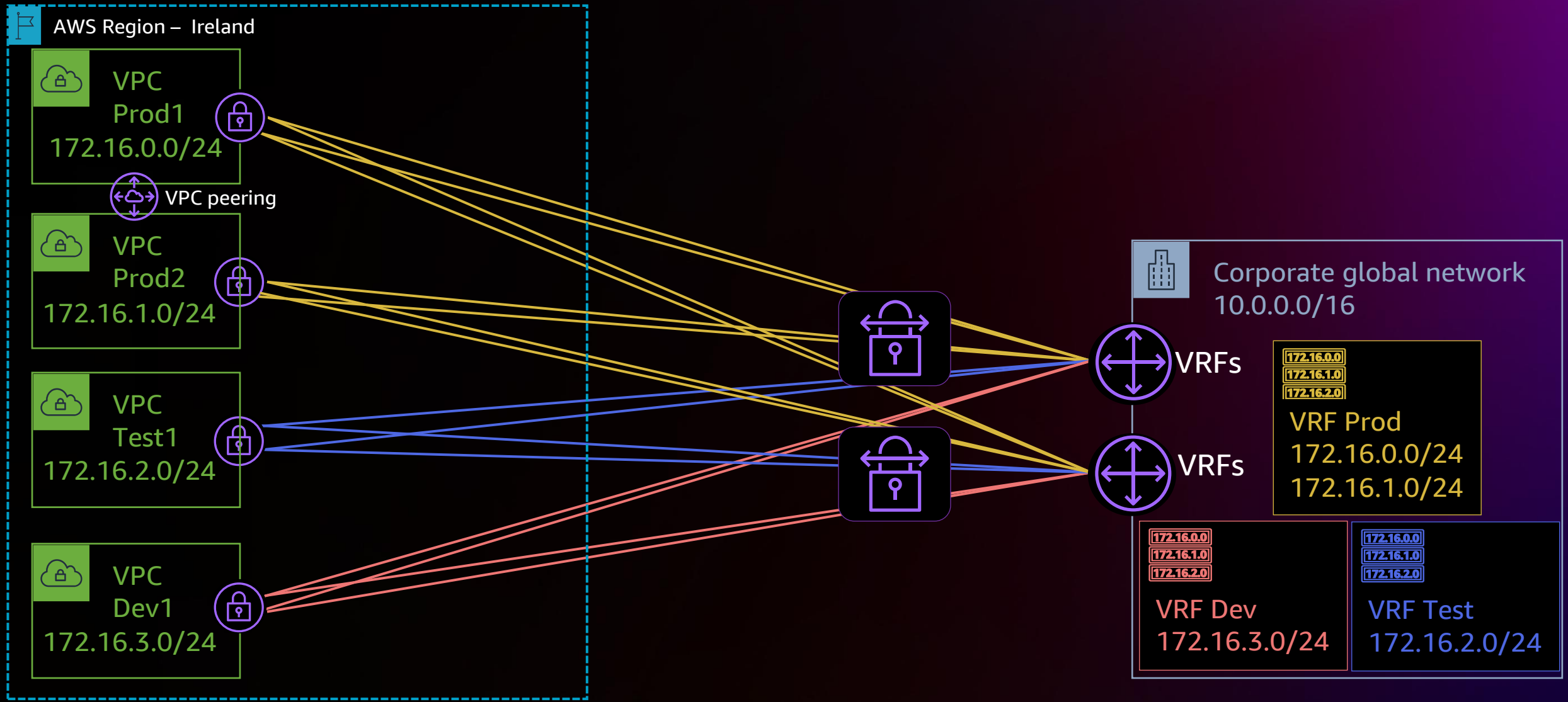

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# Agenda – Network connectivity designs




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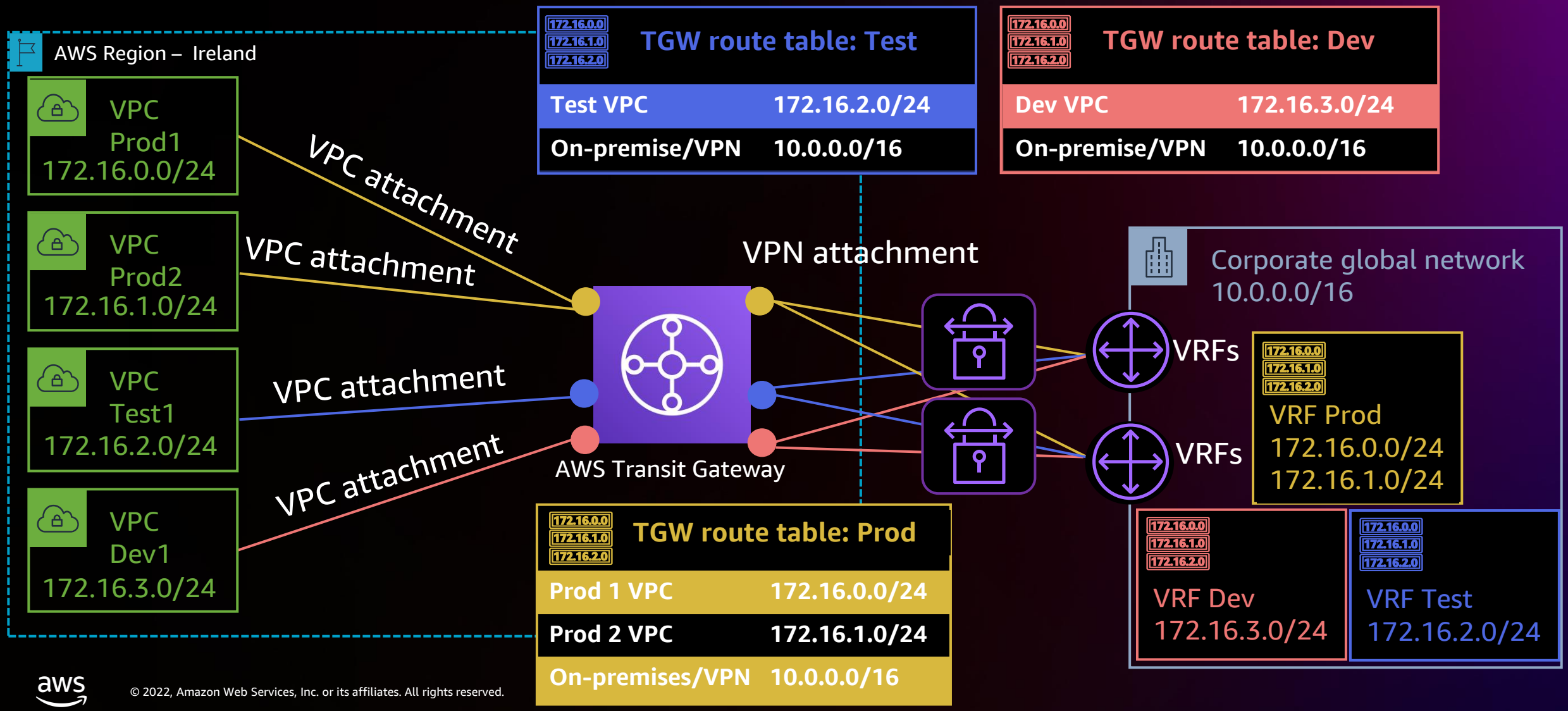
# Single Region IPsec VPN to VPCs – Project phase




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# Single Region IPsec VPN with Transit Gateway

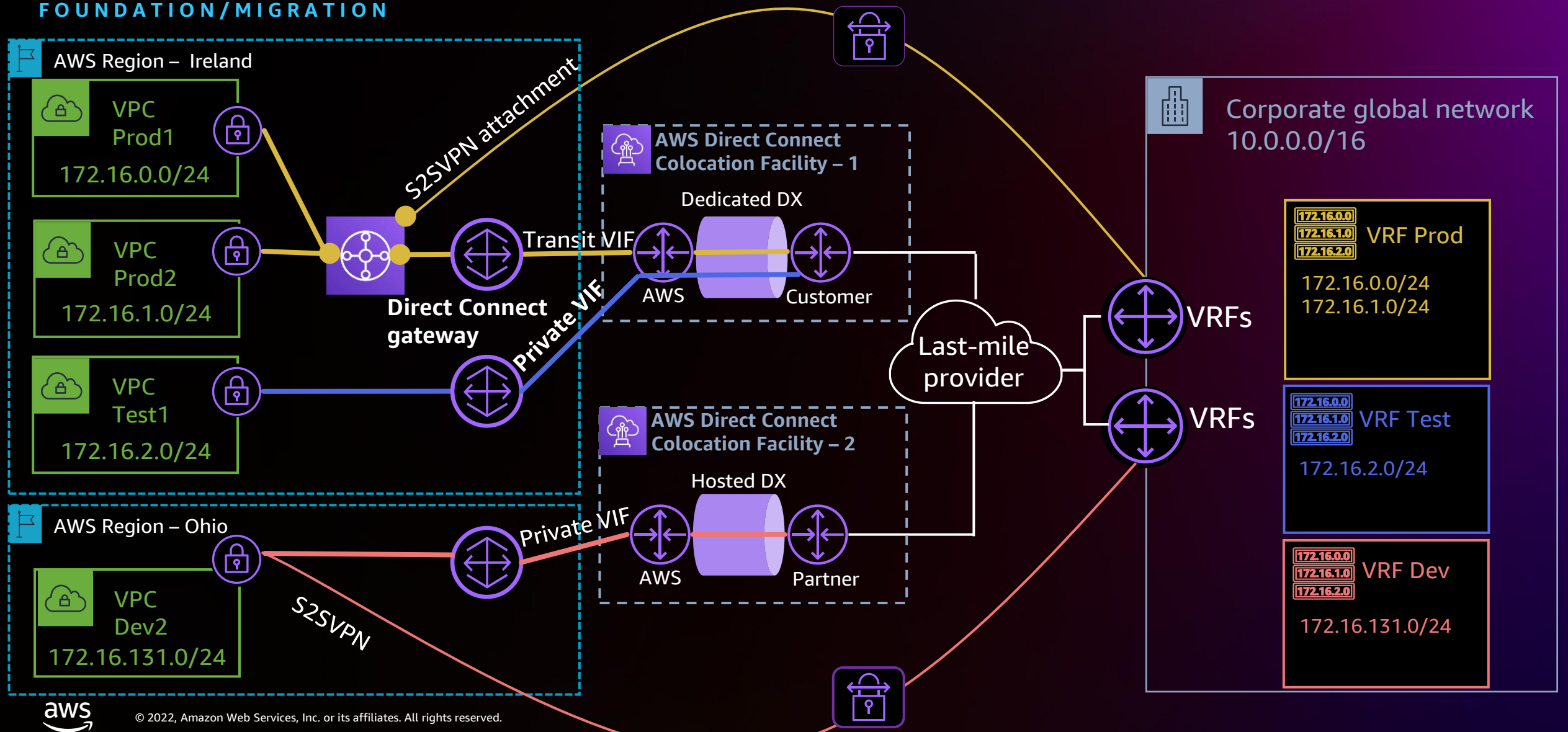
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# Multiple DX connections and Regions

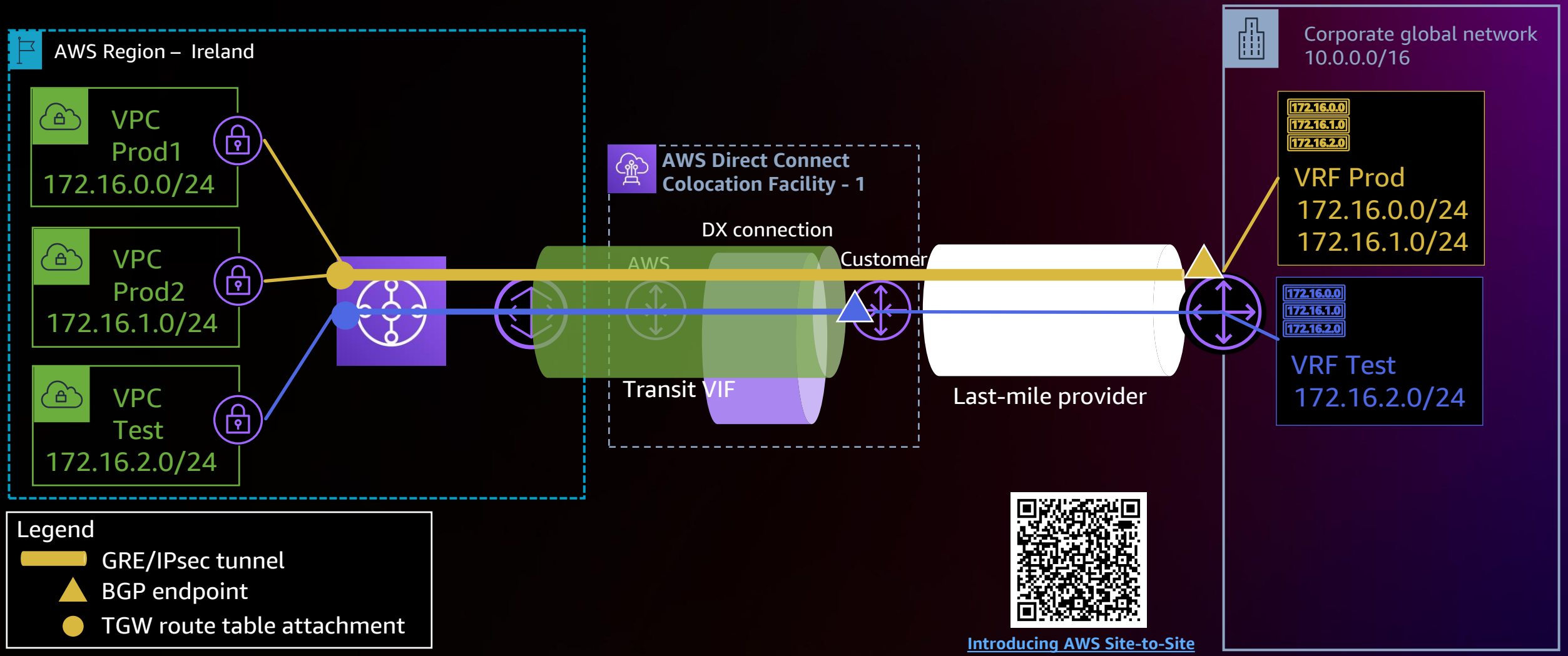
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# AWS Direct Connect – Overlay networking

MODERNIZATION

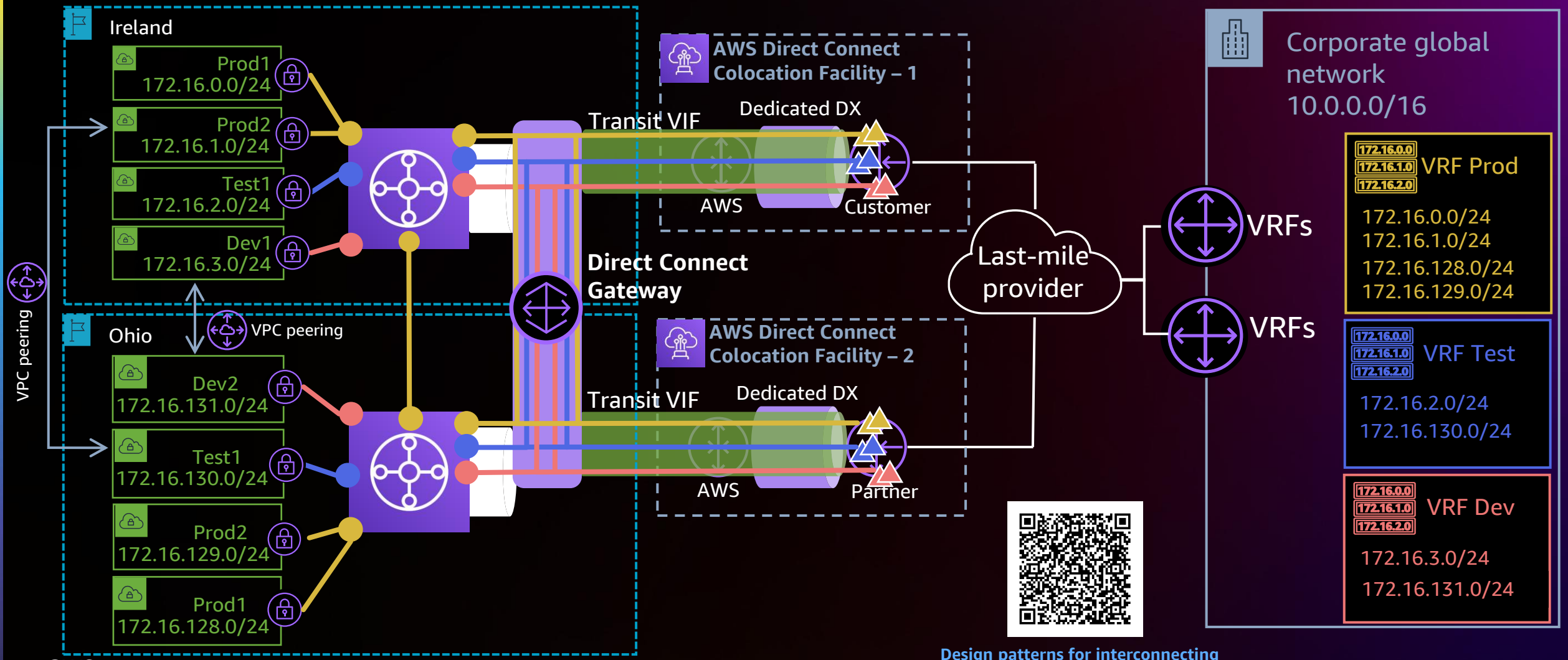



Introducing AWS Site-to-Site VPN Private IP VPNs

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# Multiple DX connections and Regions

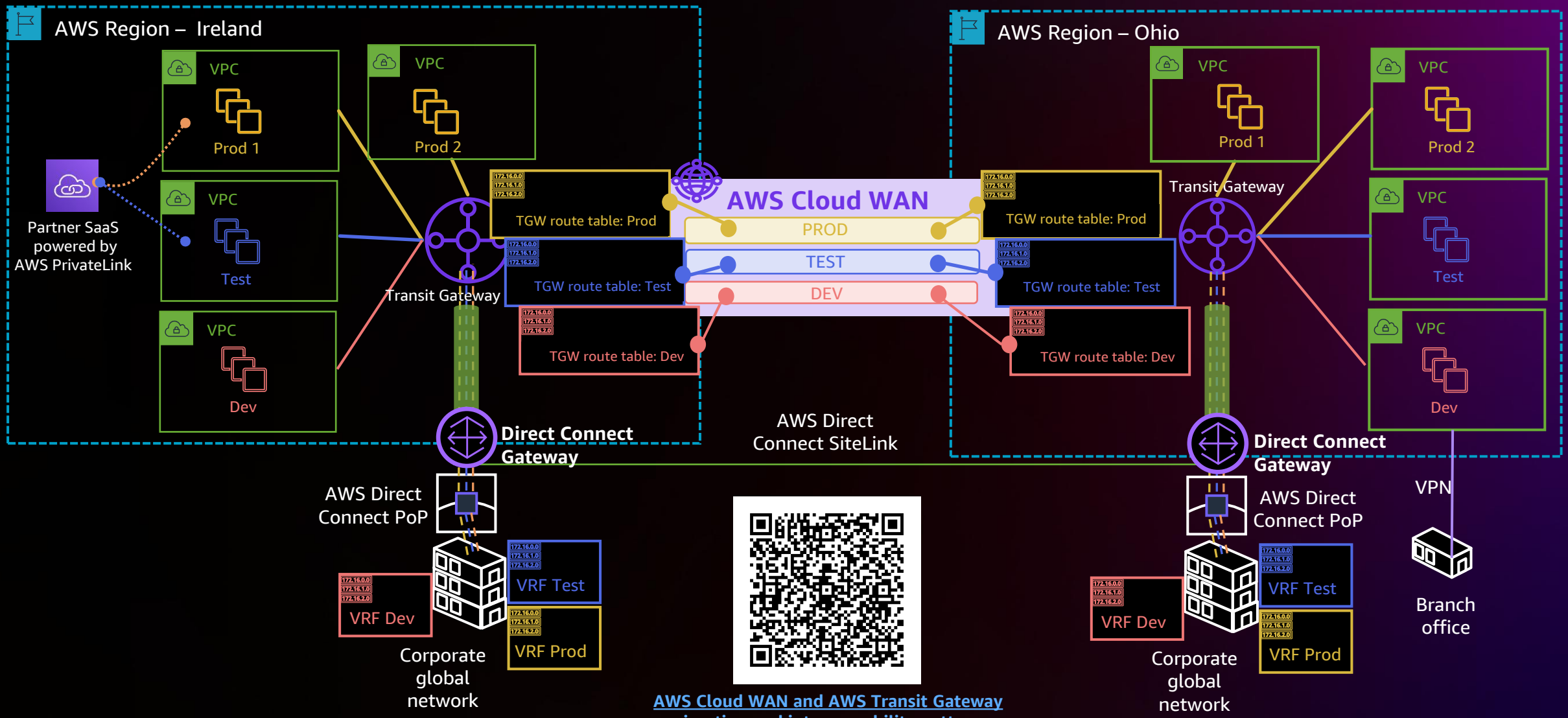
MODERNIZATION




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Design patterns for interconnecting a telco data center to an Amazon VPC

# AWS Networking Services – Reinvention




[AWS Cloud WAN and AWS Transit Gateway migration and interoperability patterns]

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# Thank you!

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