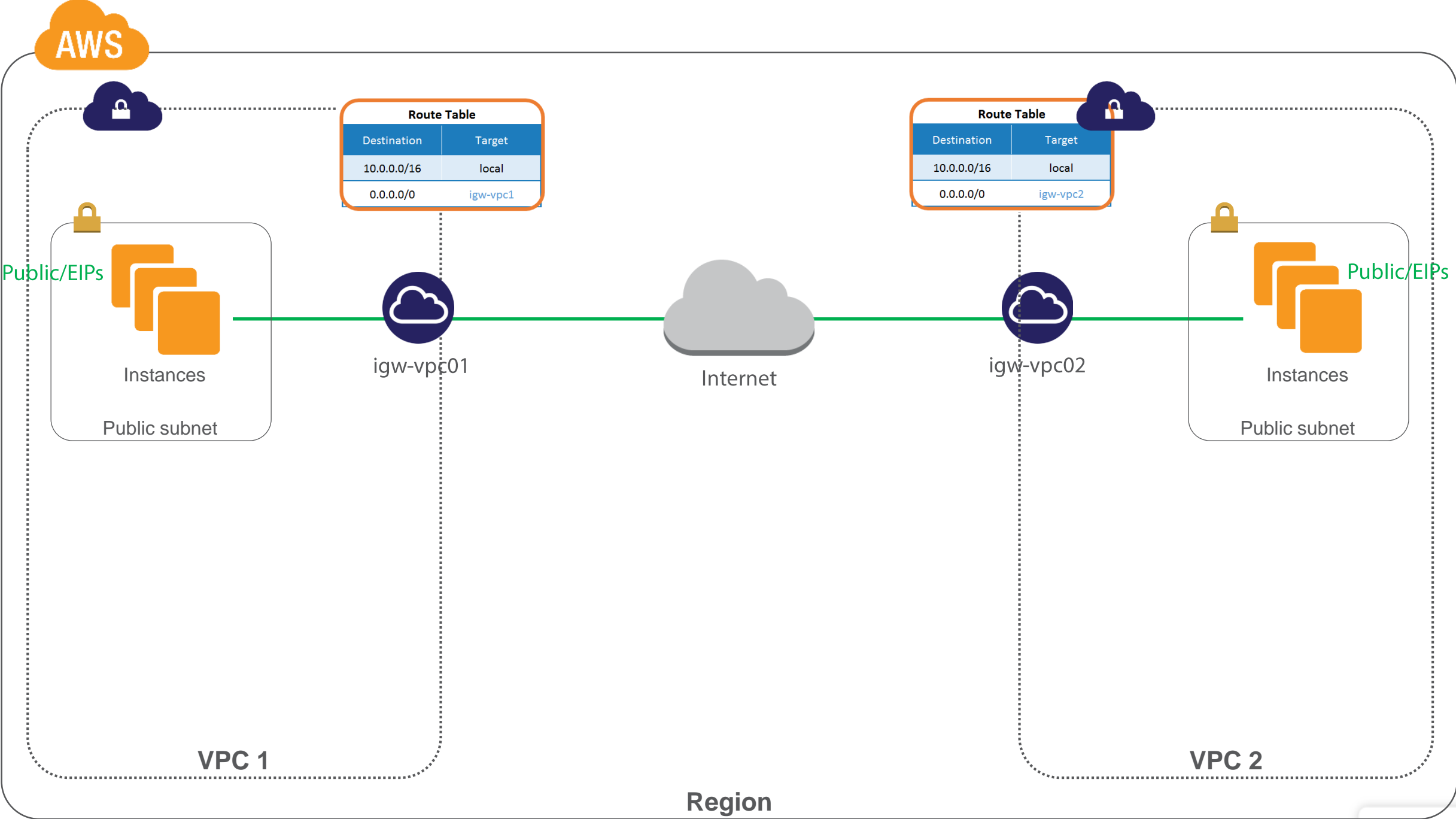


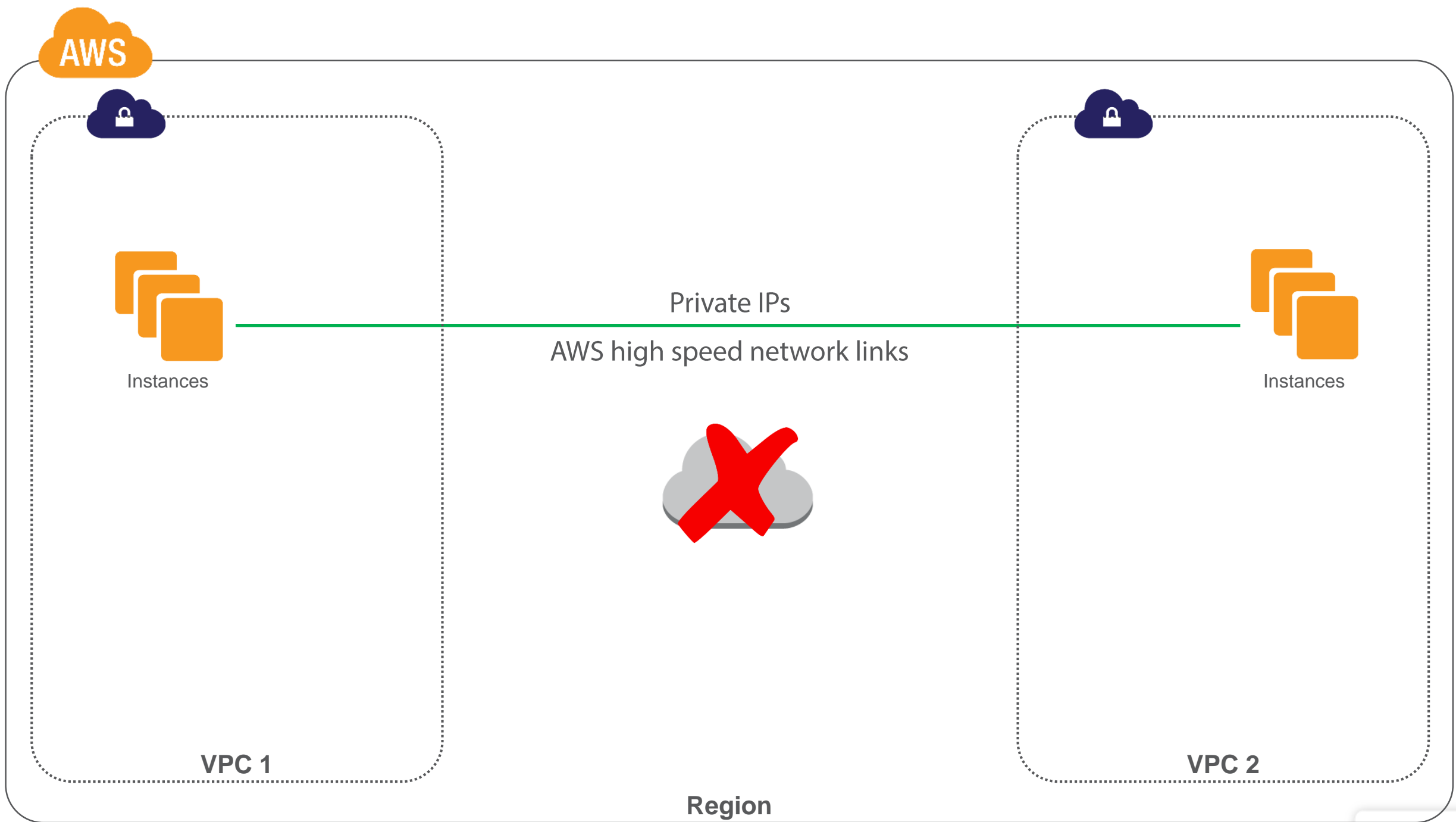
Configure Routing Between VPCs



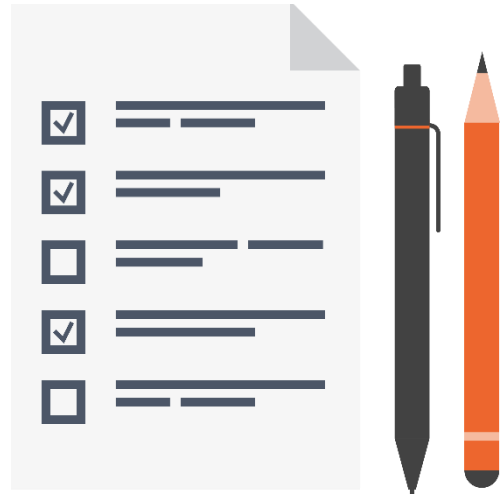
Nigel Poulton

@nigelpoulton | www.nigelpoulton.com





Module Overview



VPC Peering Theory

Example Scenario

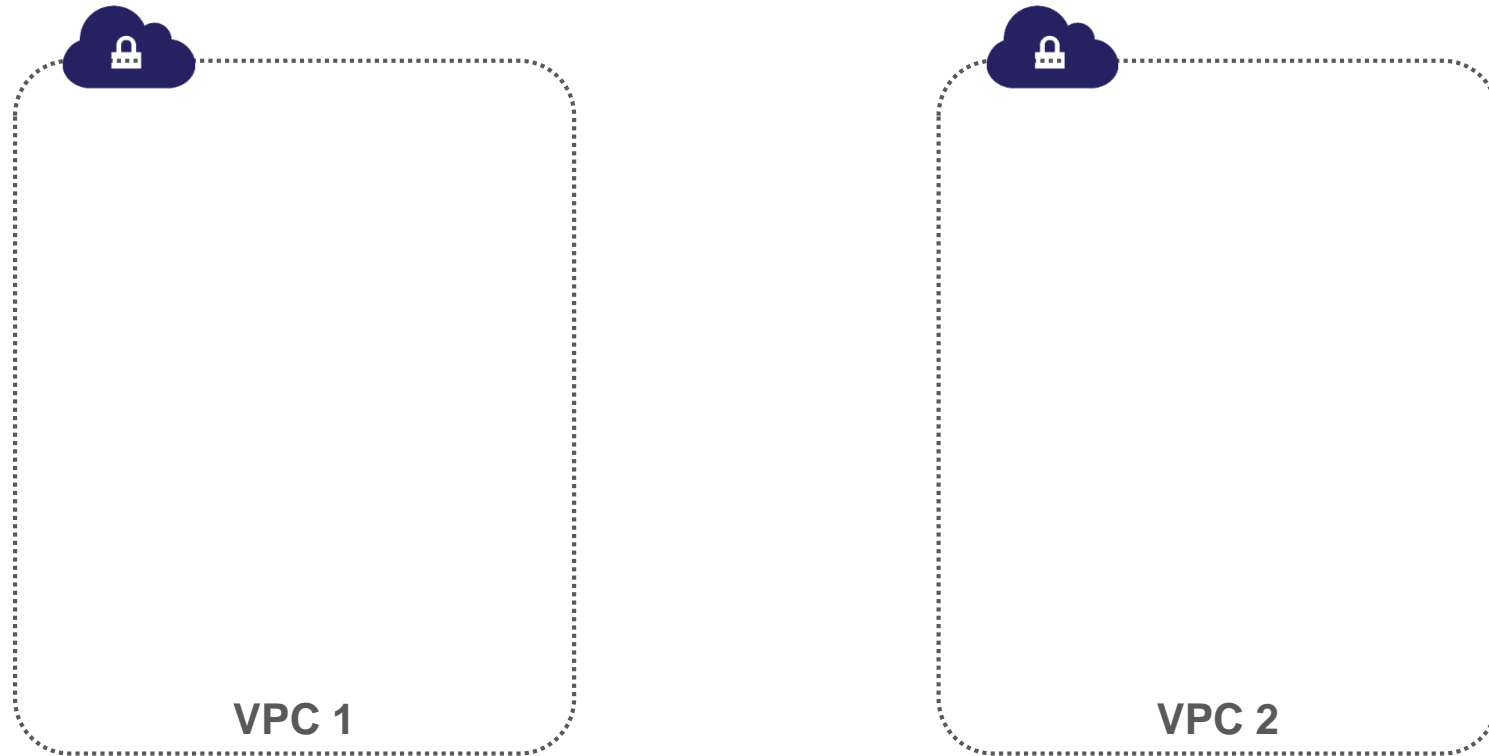
Configure VPC Peering

See It in Action

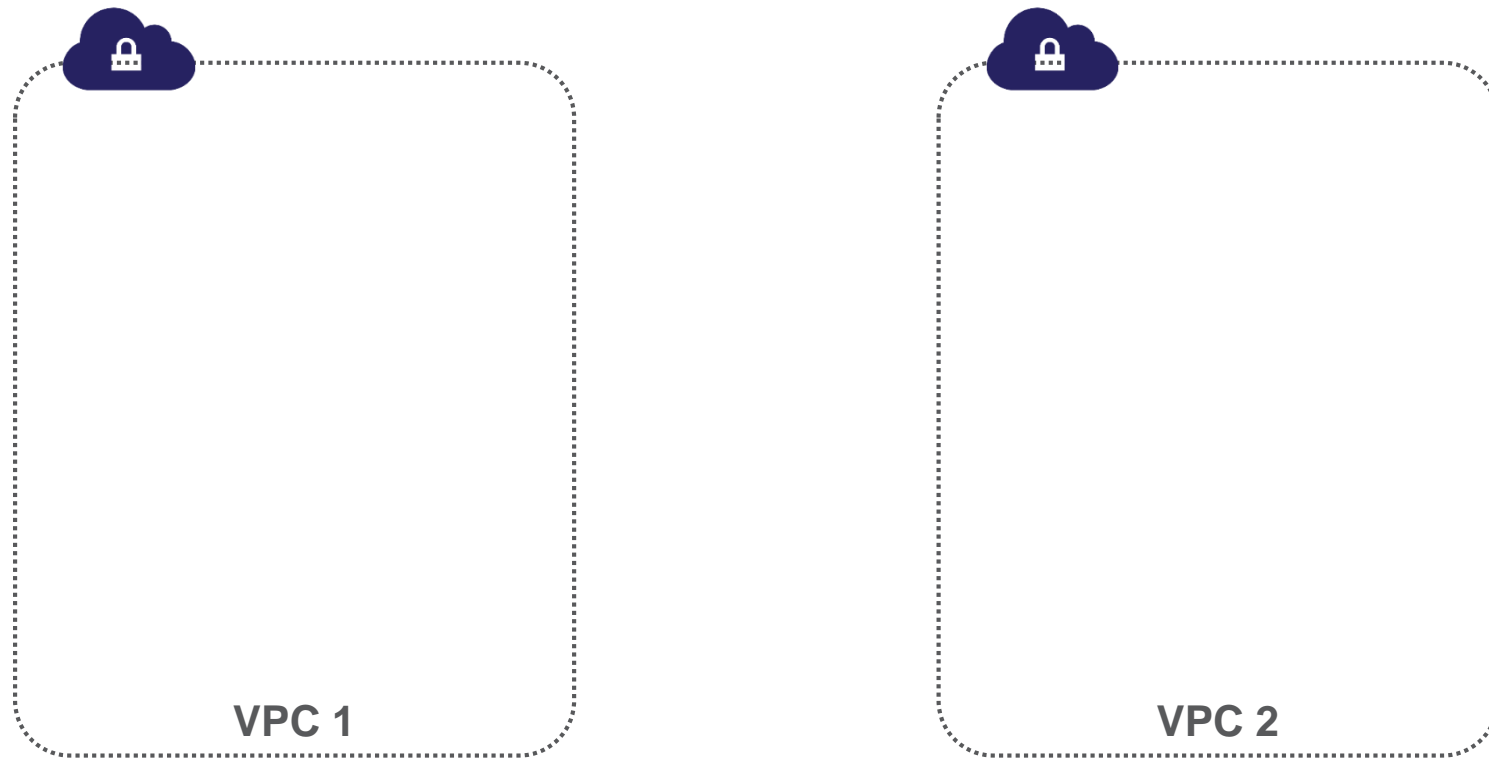
VPC Peering

Routing between VPCs

VPC Peering Theory



VPC Peering Theory



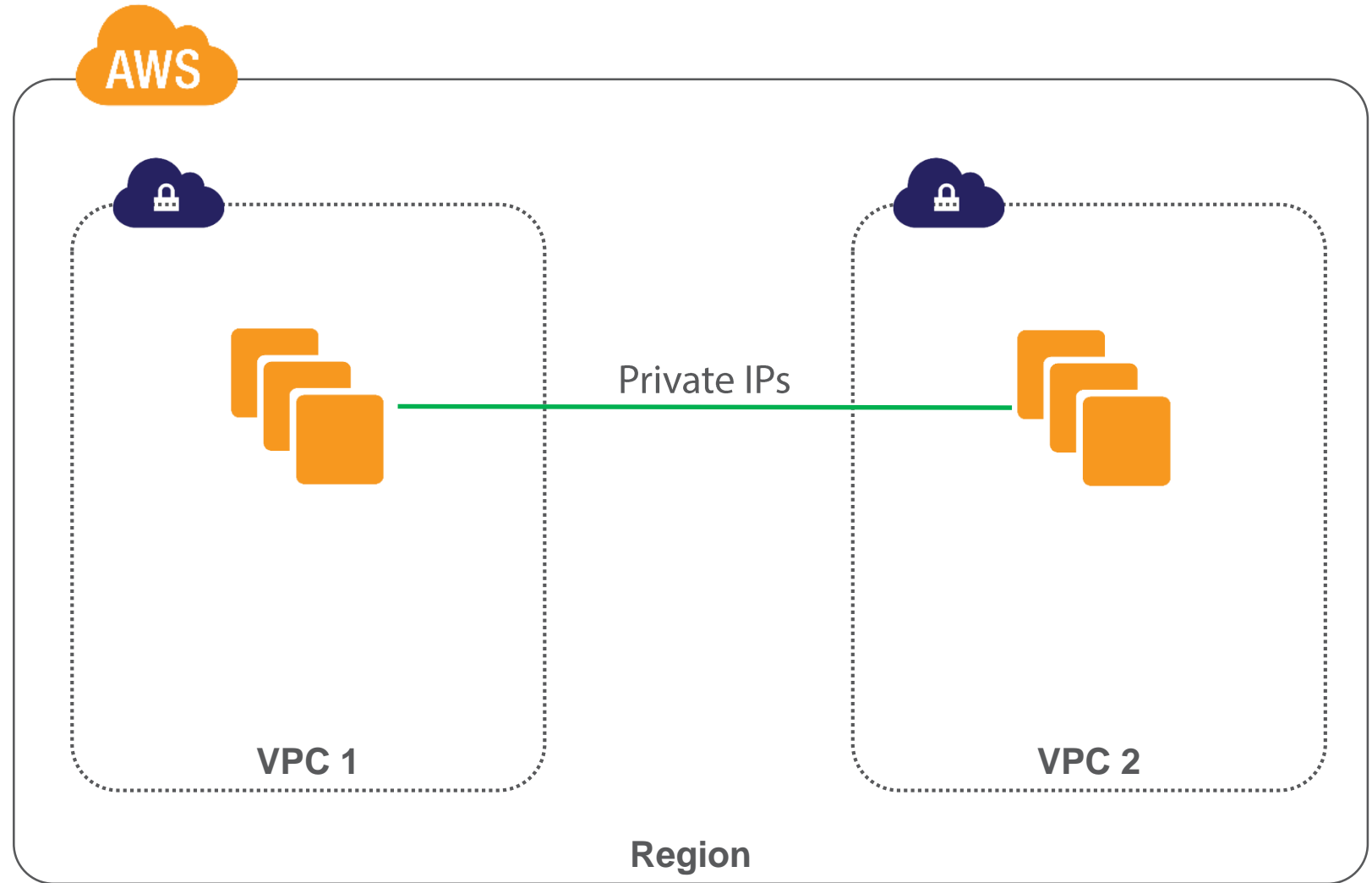
VPC Peering Theory

1-to-1 connections

Enable communication using Private IPs

Only works between VPCs in the same Region

Peering connections are not transitive



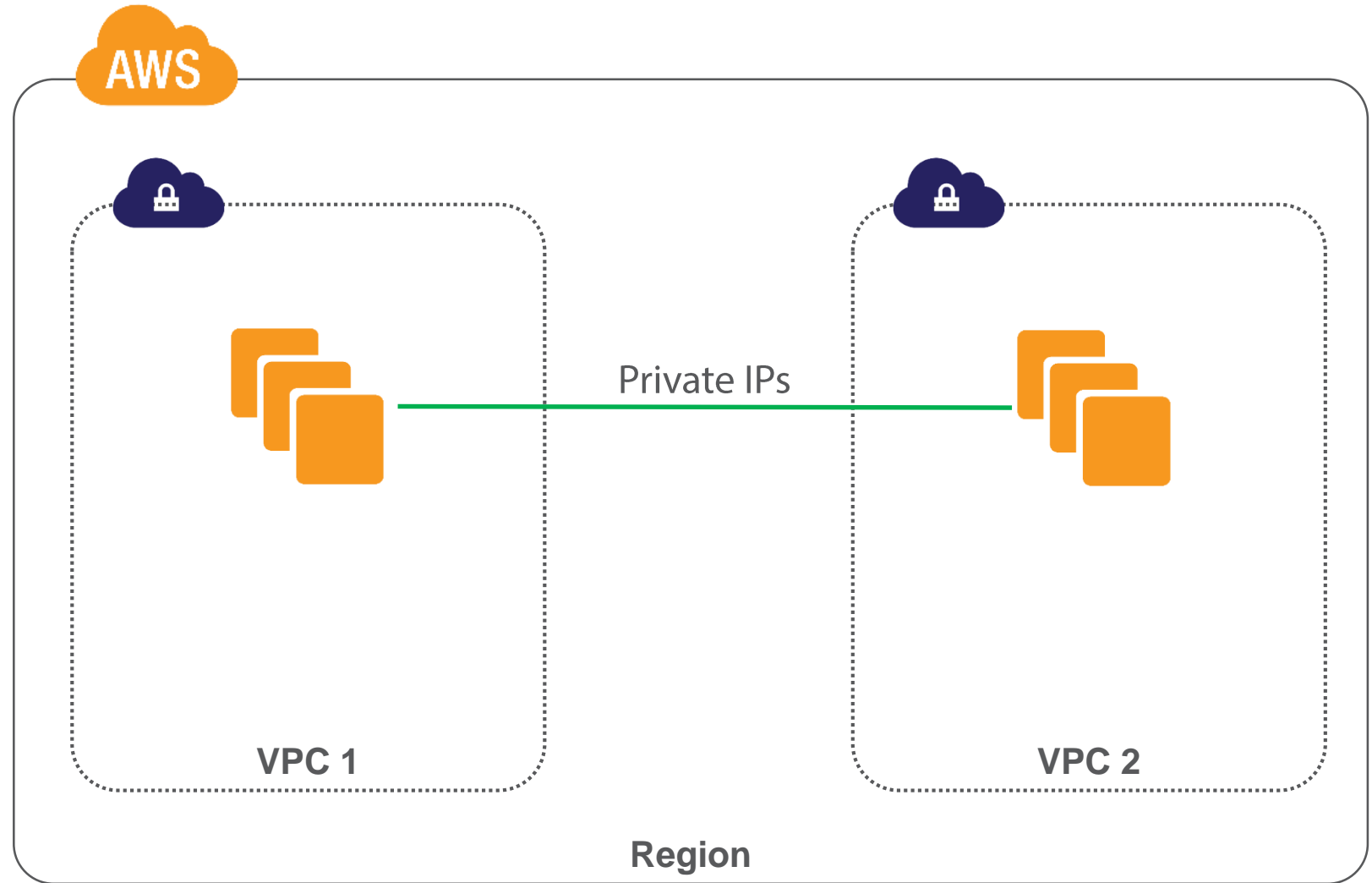
VPC Peering Theory

1-to-1 connections

Enable communication using Private IPs

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1-to-1 connections

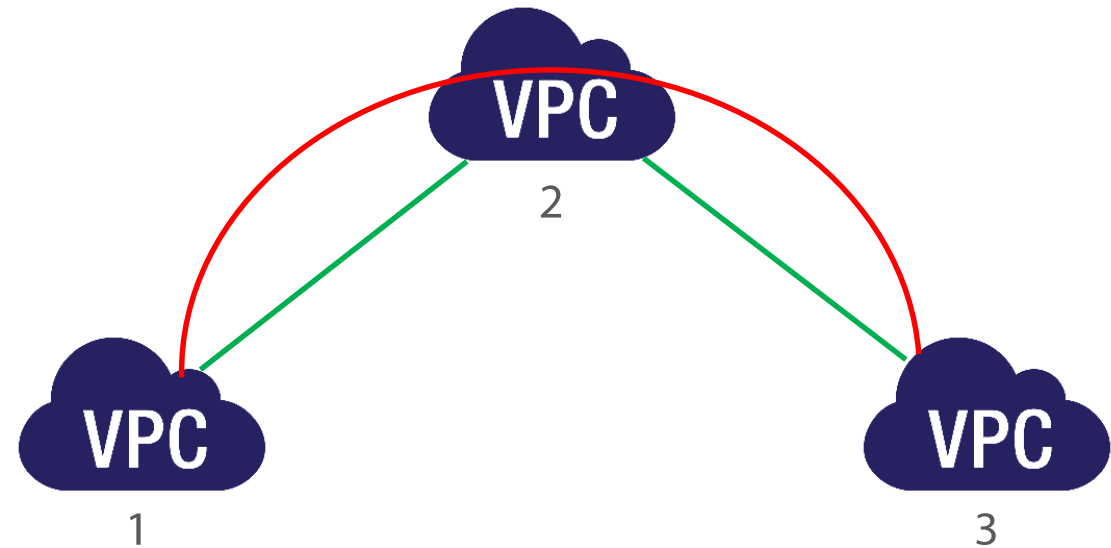
Enable communication using Private IPs

Only works between VPCs in the same Region

Peering connections are not transitive

Only one peering connection between any two VPCs

VPC Peering Theory



1-to-1 connections

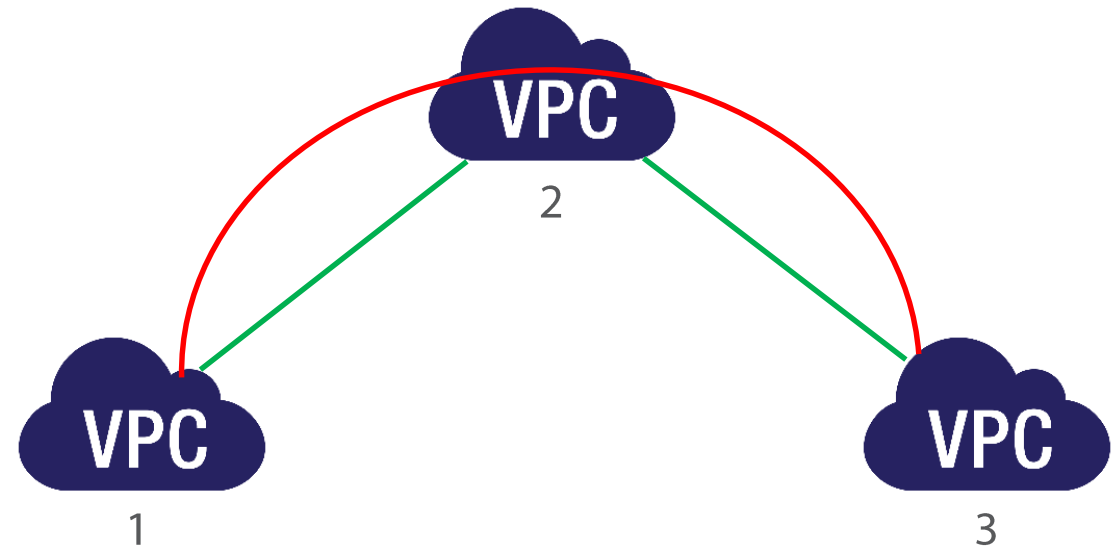
Enable communication using Private IPs

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VPC Peering Theory



VPC Peering Theory

1-to-1 connections

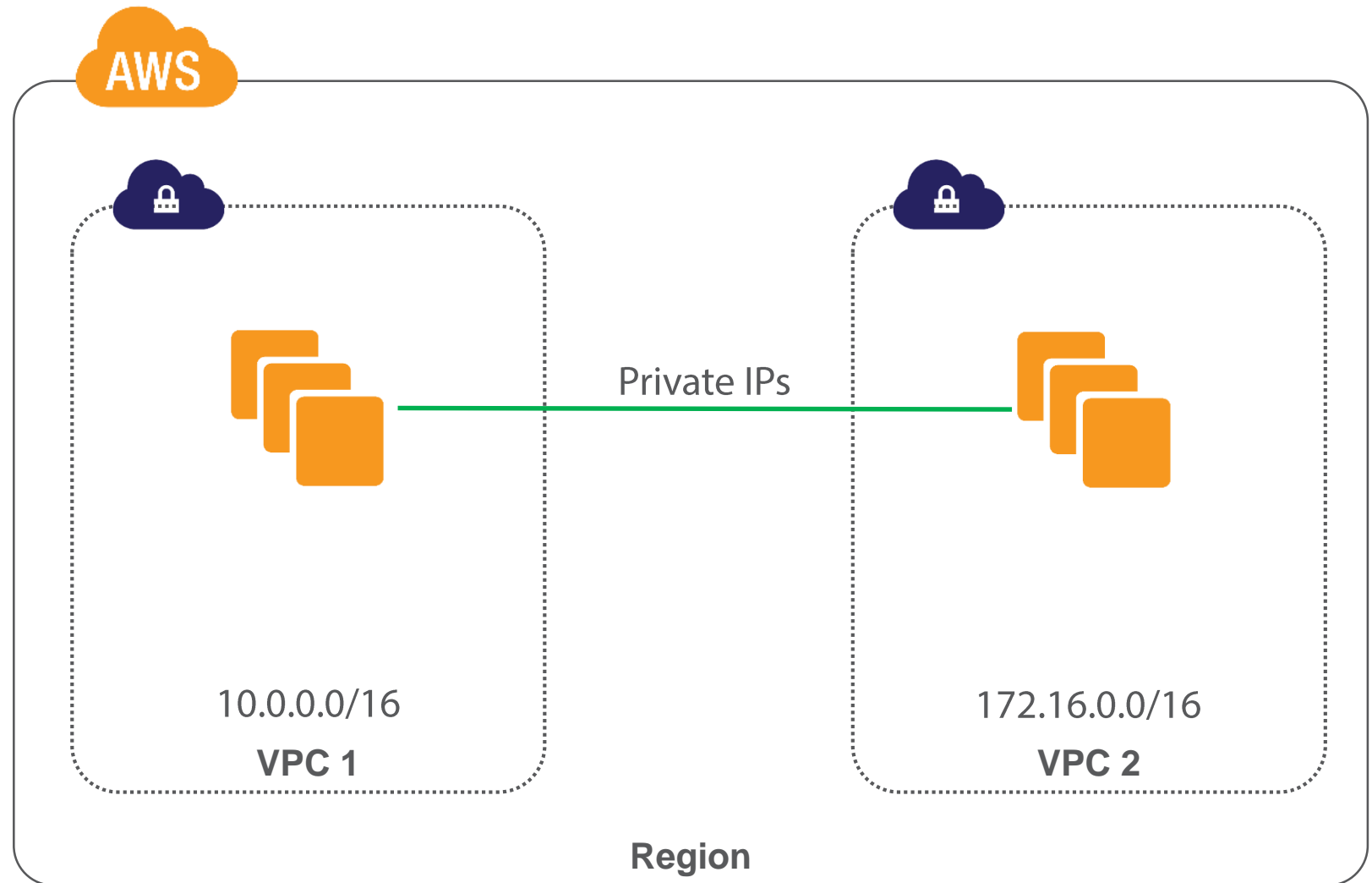
Enable communication using Private IPs

Only works between VPCs in the same Region

Peering connections are not transitive

Only one peering connection between any two VPCs

Do not overlap CIDR blocks



1-to-1 connections

Enable communication using Private IPs

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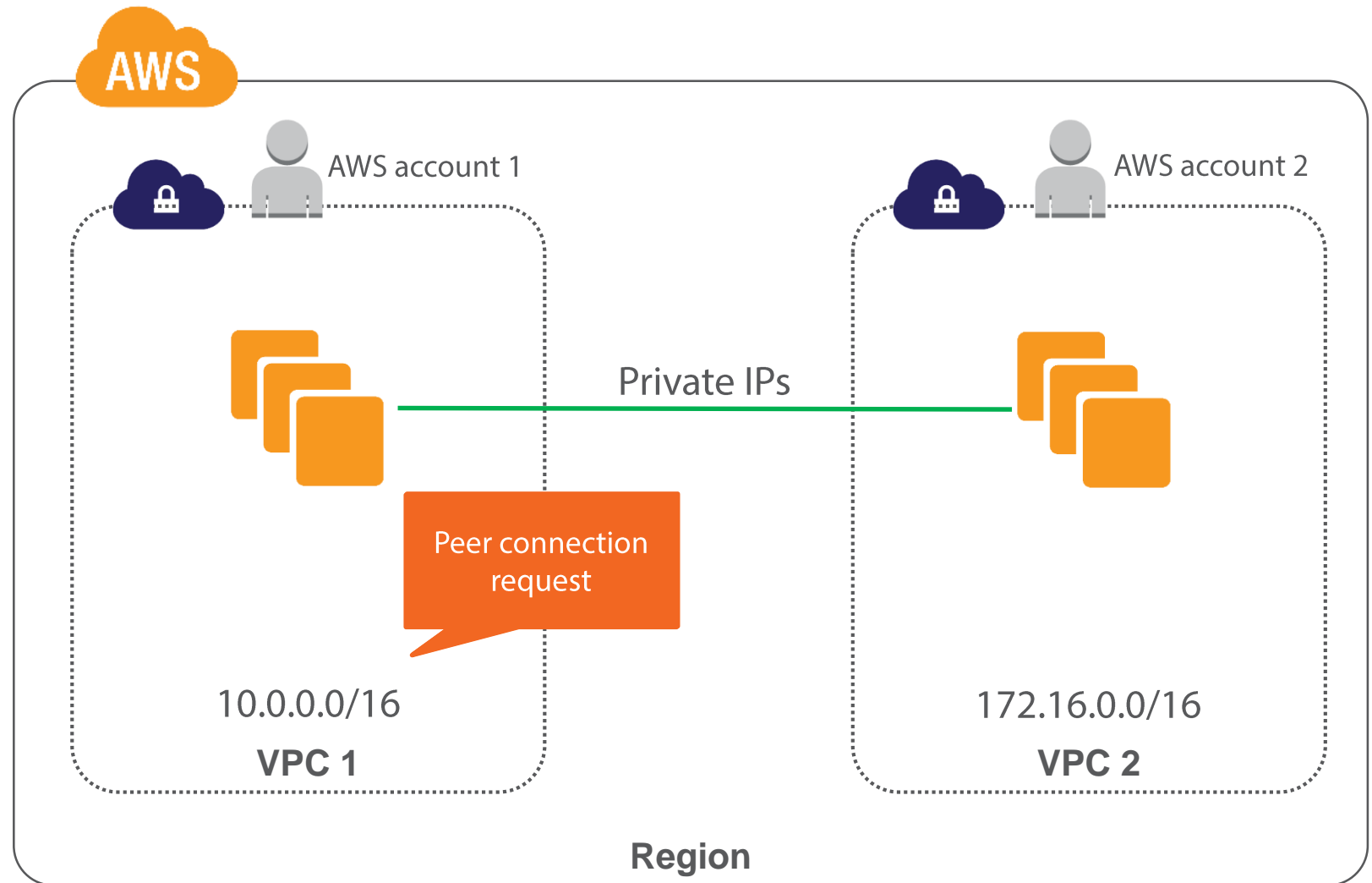
Only one peering connection between any two VPCs

Do not overlap CIDR blocks

Works across AWS accounts

Be careful accepting peering requests

VPC Peering Theory



VPC Peering Theory

1-to-1 connections

Enable communication using Private IPs

Only works between VPCs in the same Region

Peering connections are not transitive

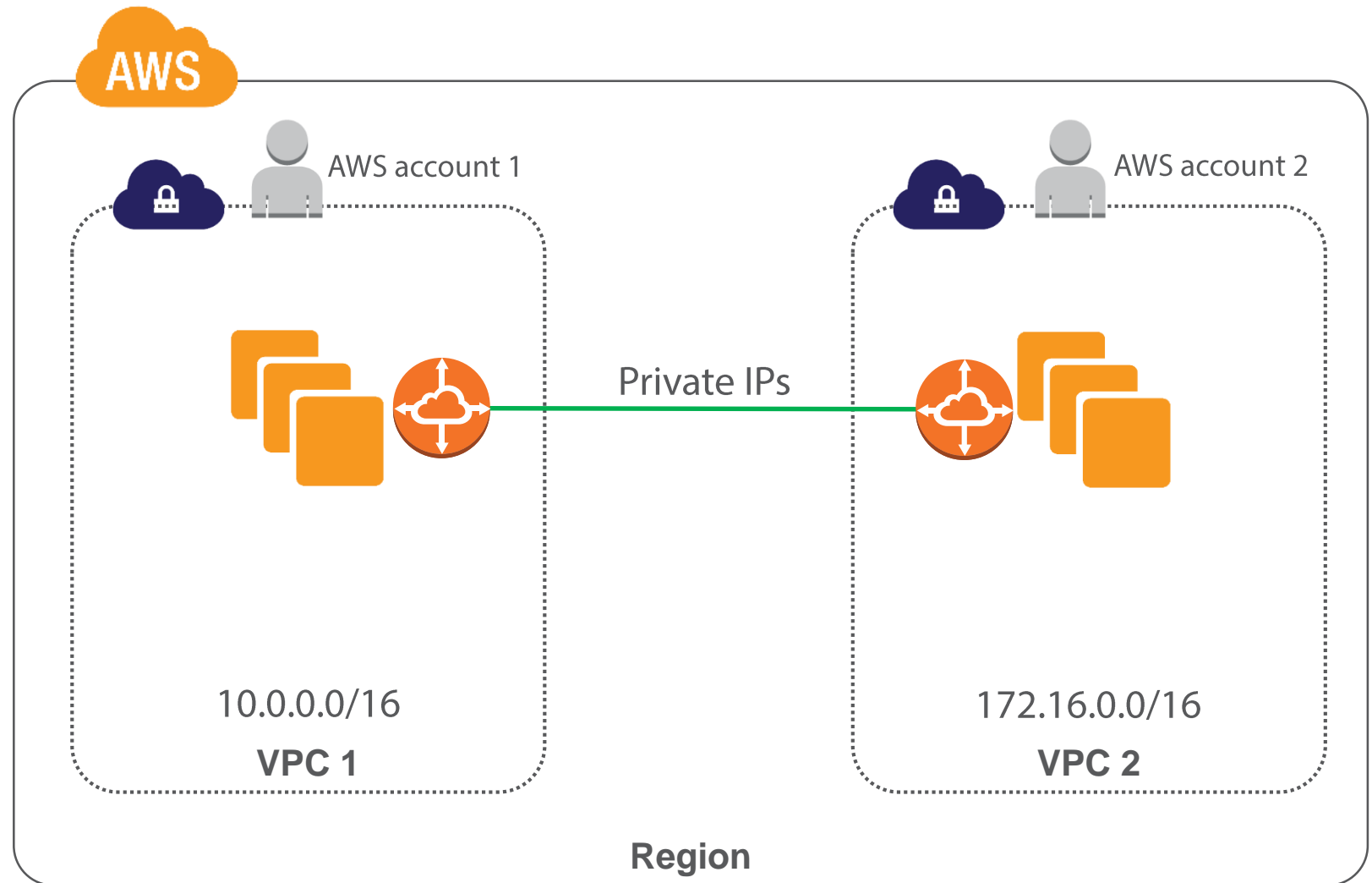
Only one peering connection between any two VPCs

Do not overlap CIDR blocks

Works across AWS accounts

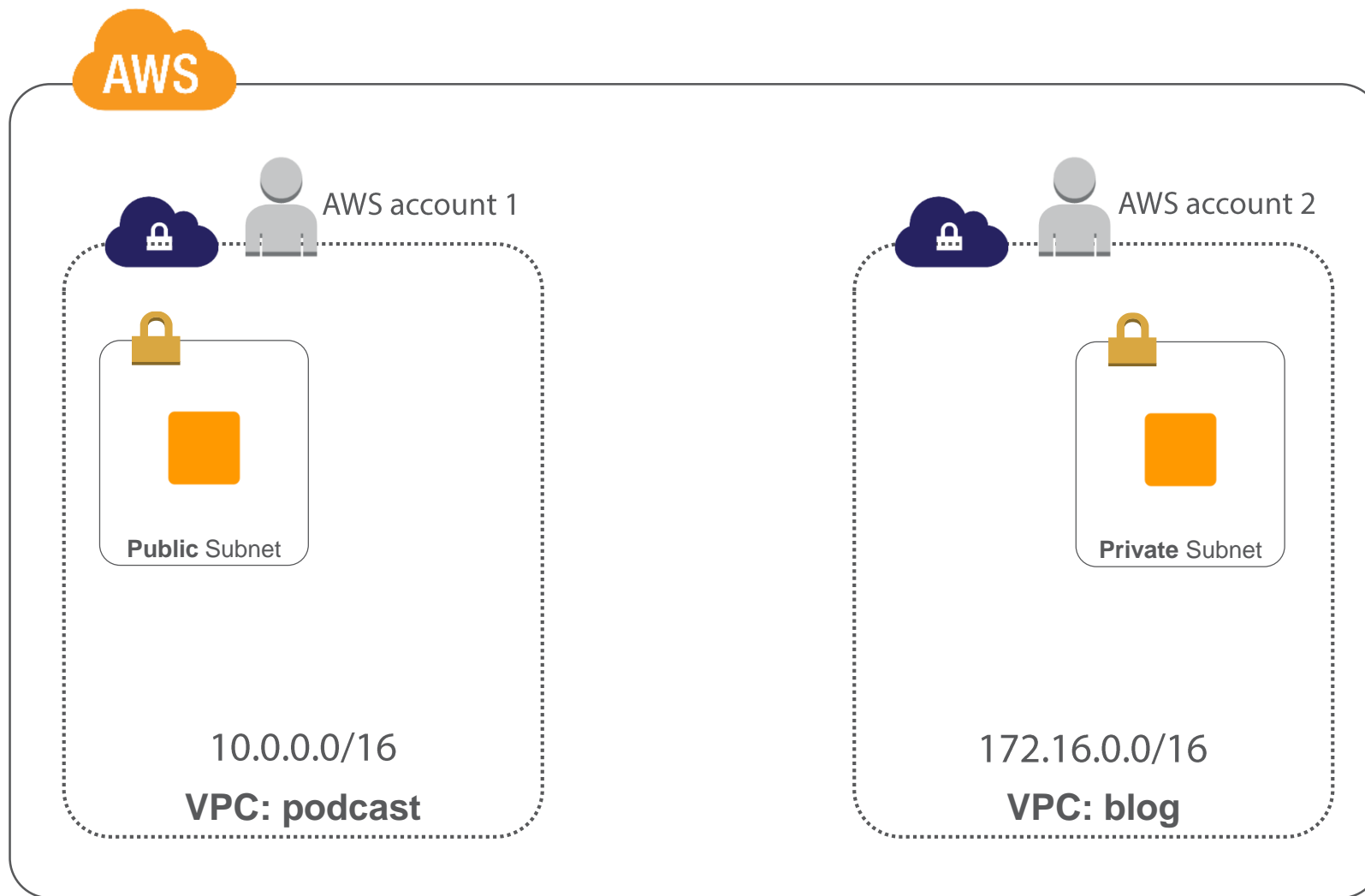
Be careful accepting peering requests

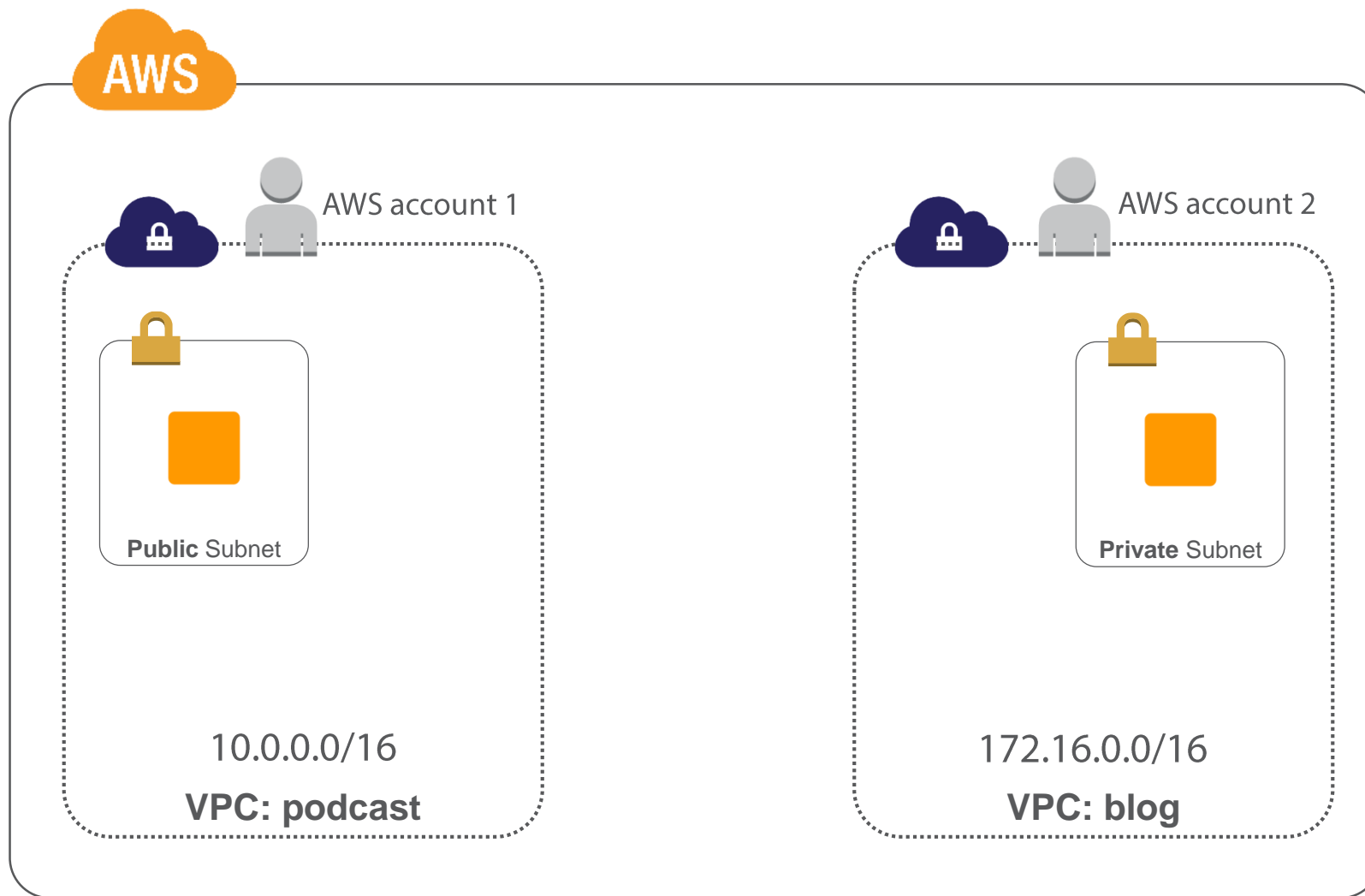
Each VPC gets a VPC connection object



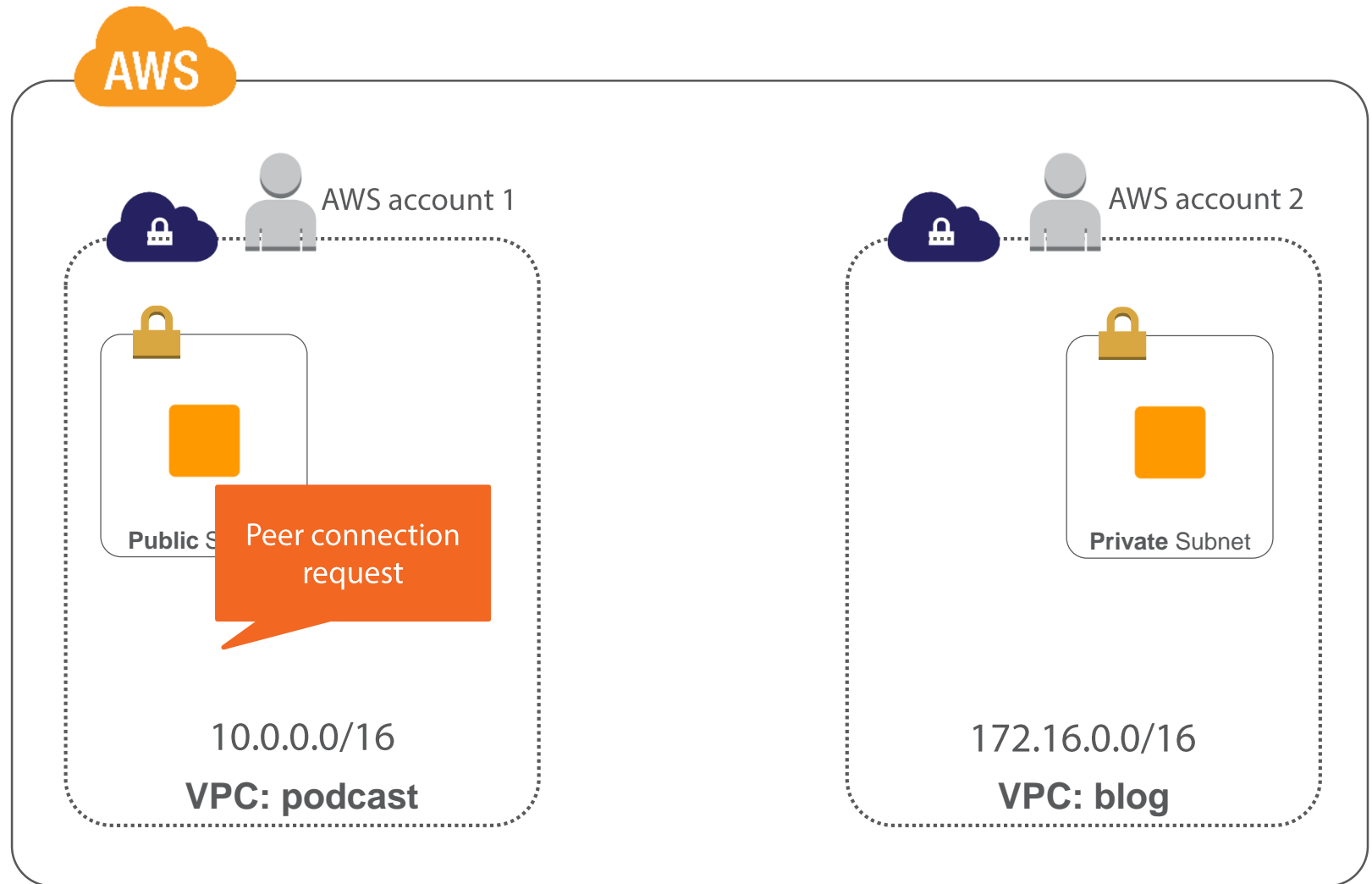
Lab scenario

Routing between VPCs

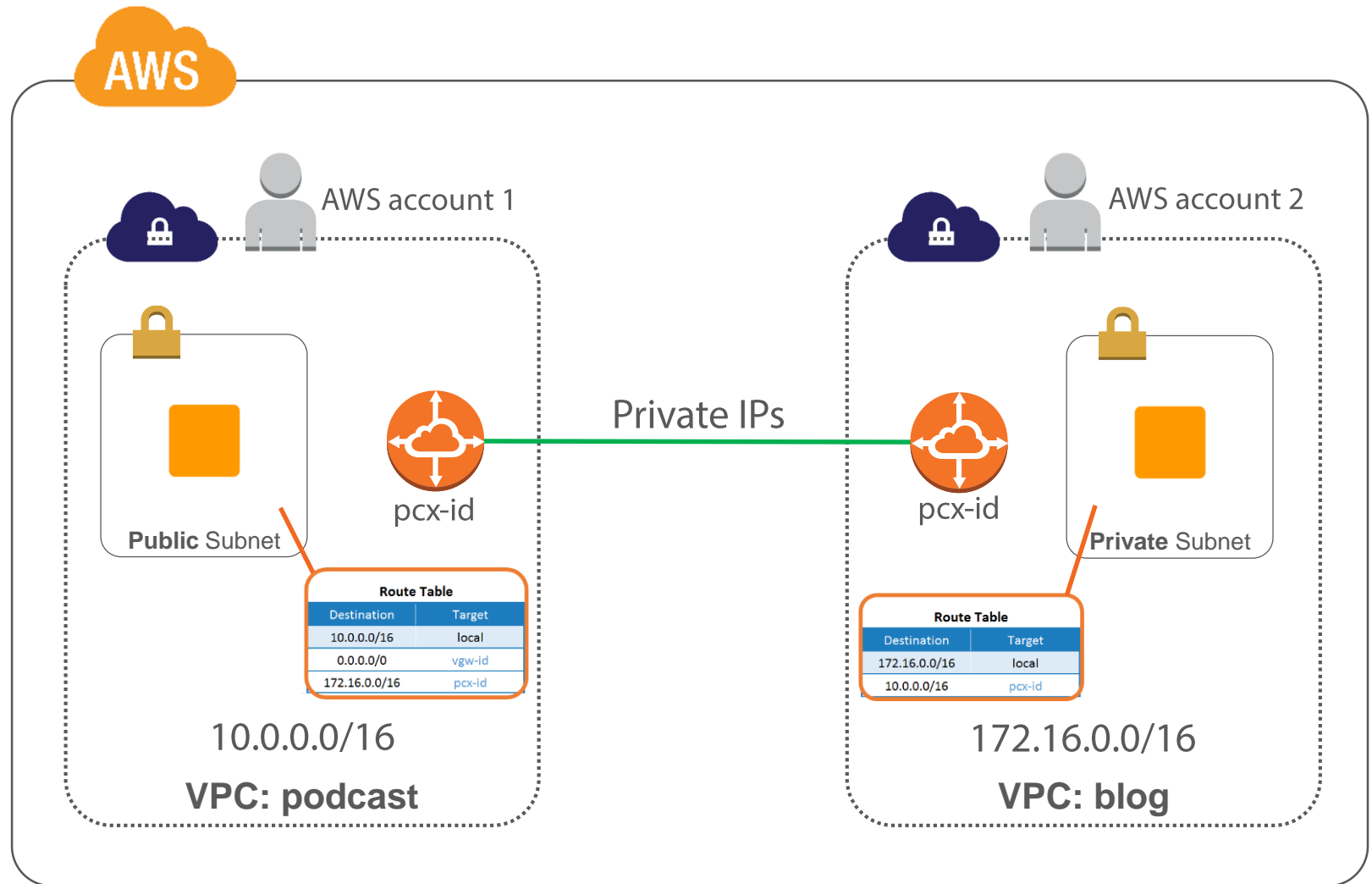


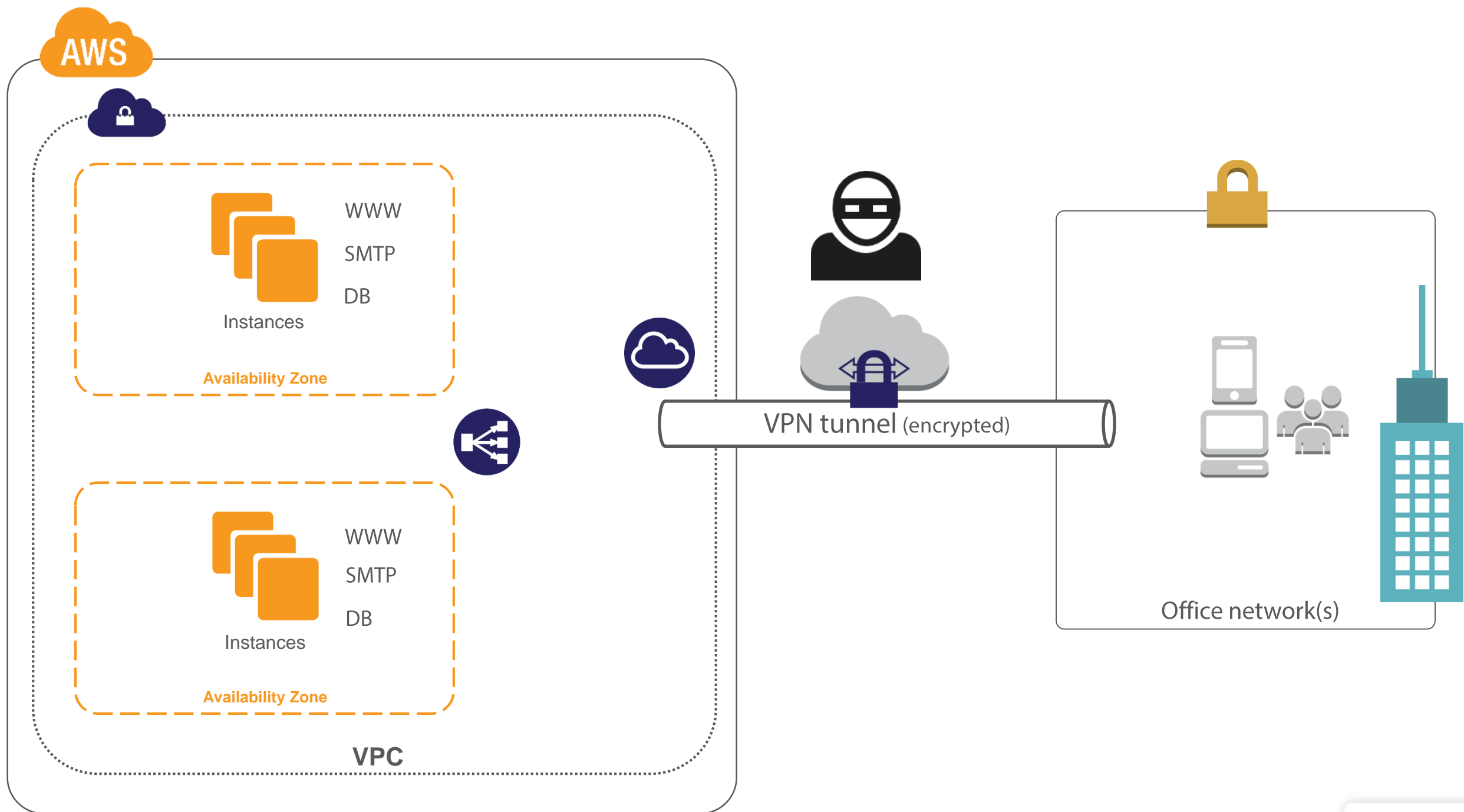


- AWS account ID
- VPC ID

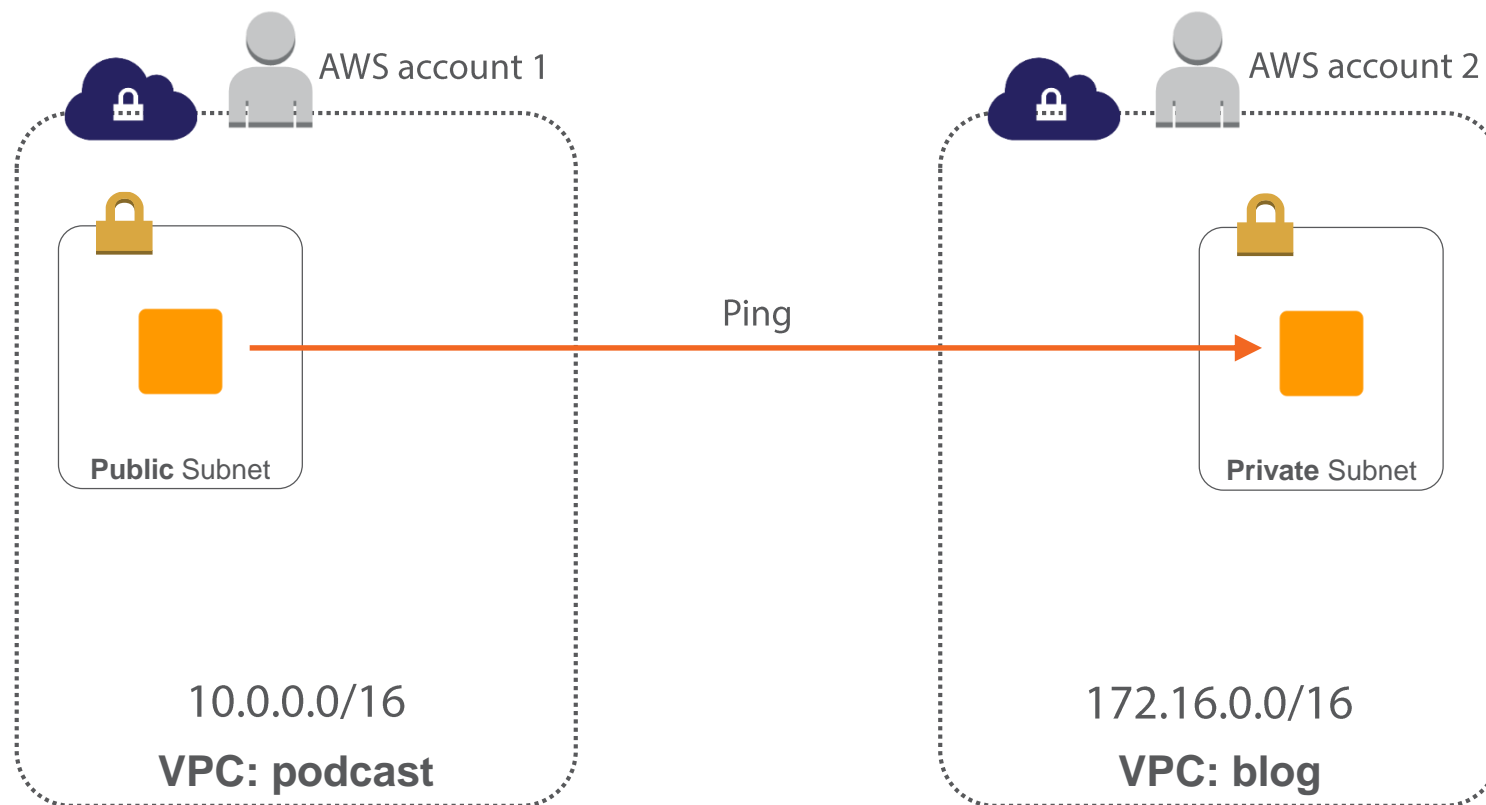


- AWS account ID
- VPC ID



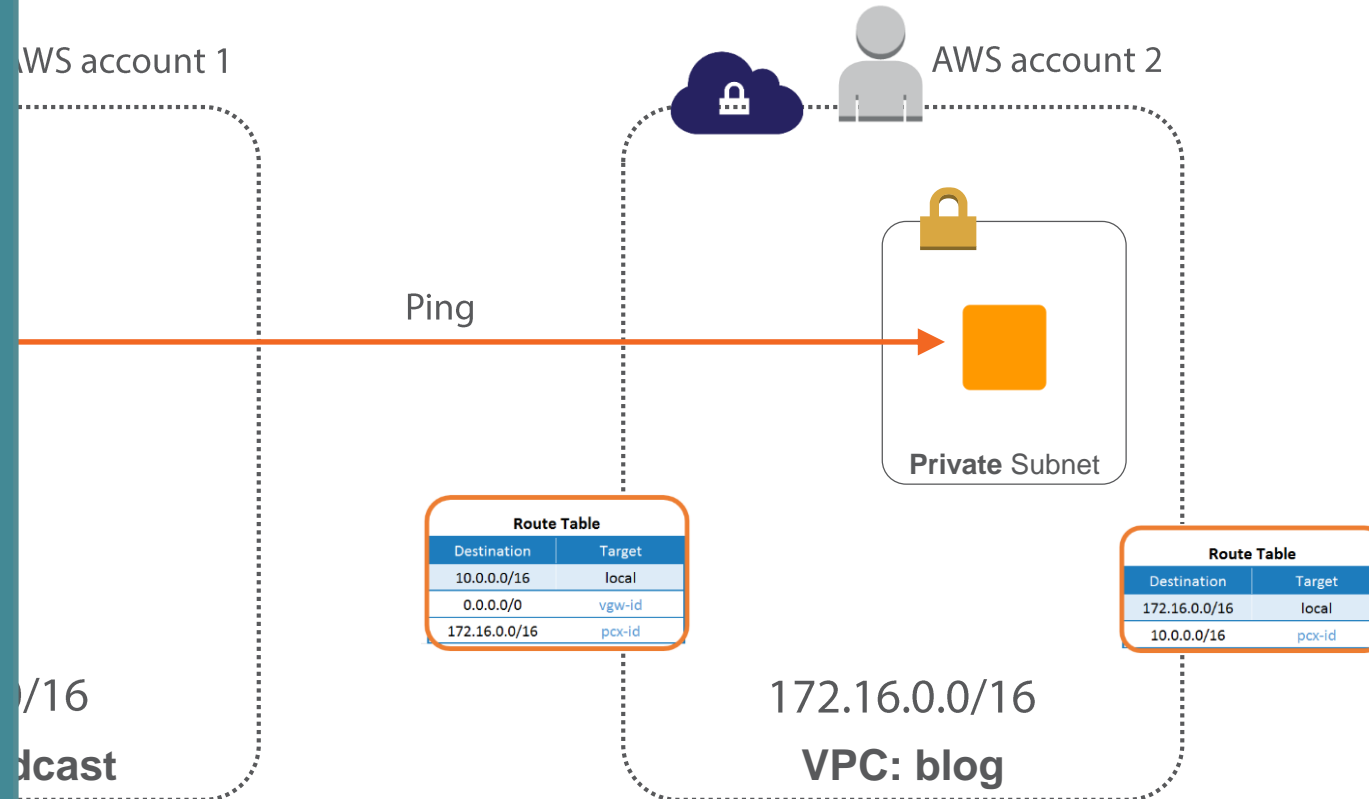


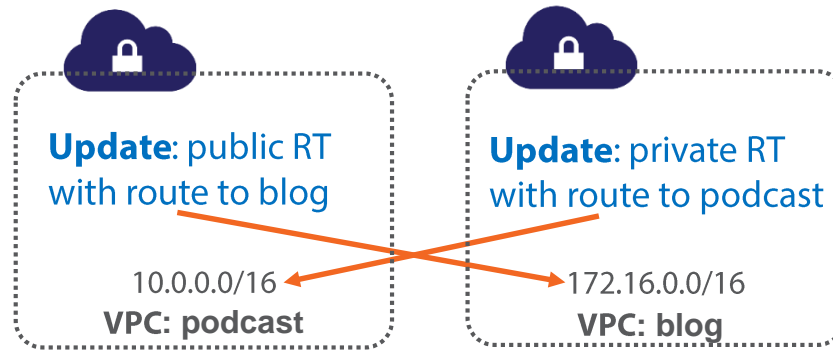
Lab



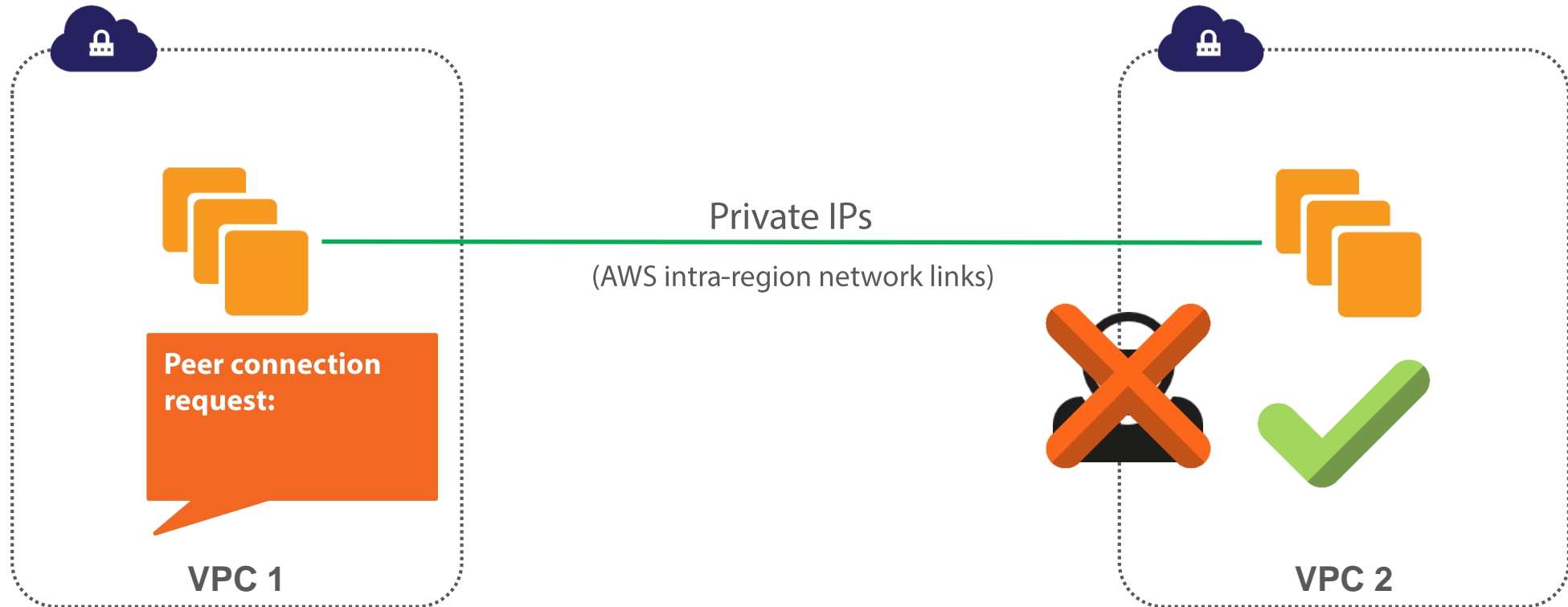
Each VPC has:

- Two routing tables
 - One for public subnets
 - One for private subnets





Summary



Summary



VPC Peering

Only works within Regions

Cannot have overlapping CIDR blocks

VPC Peering object (PCX) is highly available and high performance

Charges apply

Coming Up Next...

VPNs and Direct Connect