

# Customer Gateways

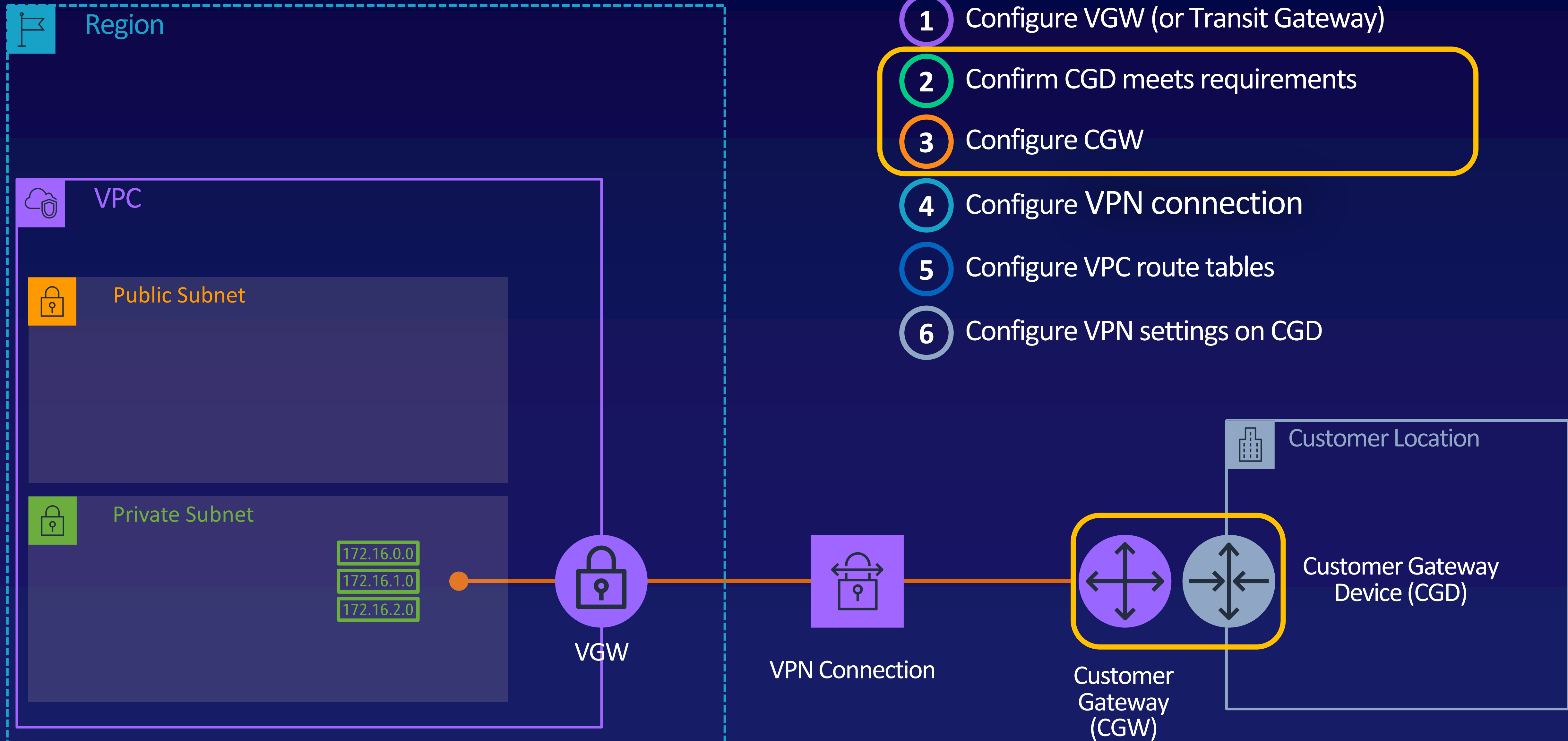
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**Steven Moran**

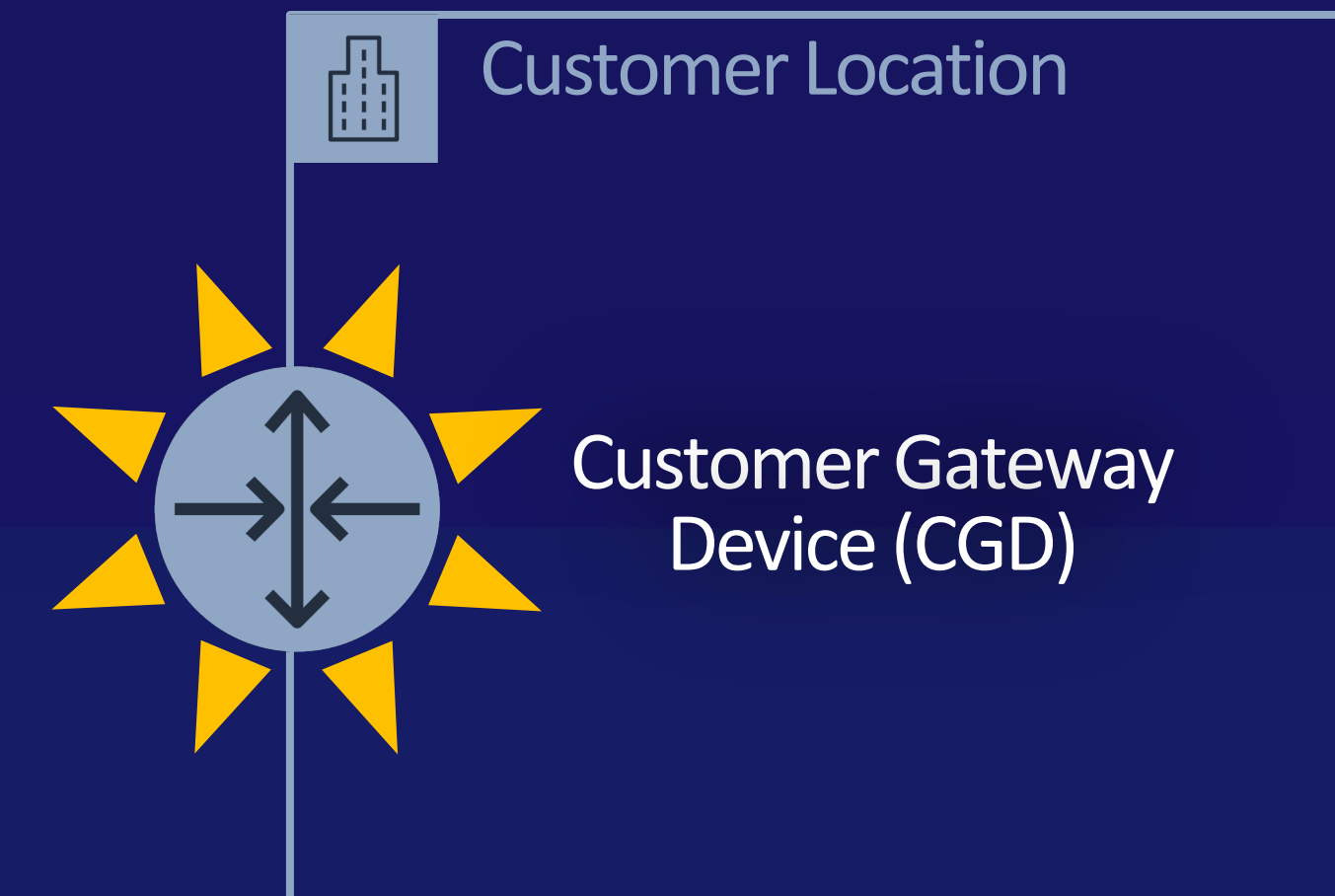
TECHNICAL INSTRUCTOR

# AWS Site-to-Site VPN Components

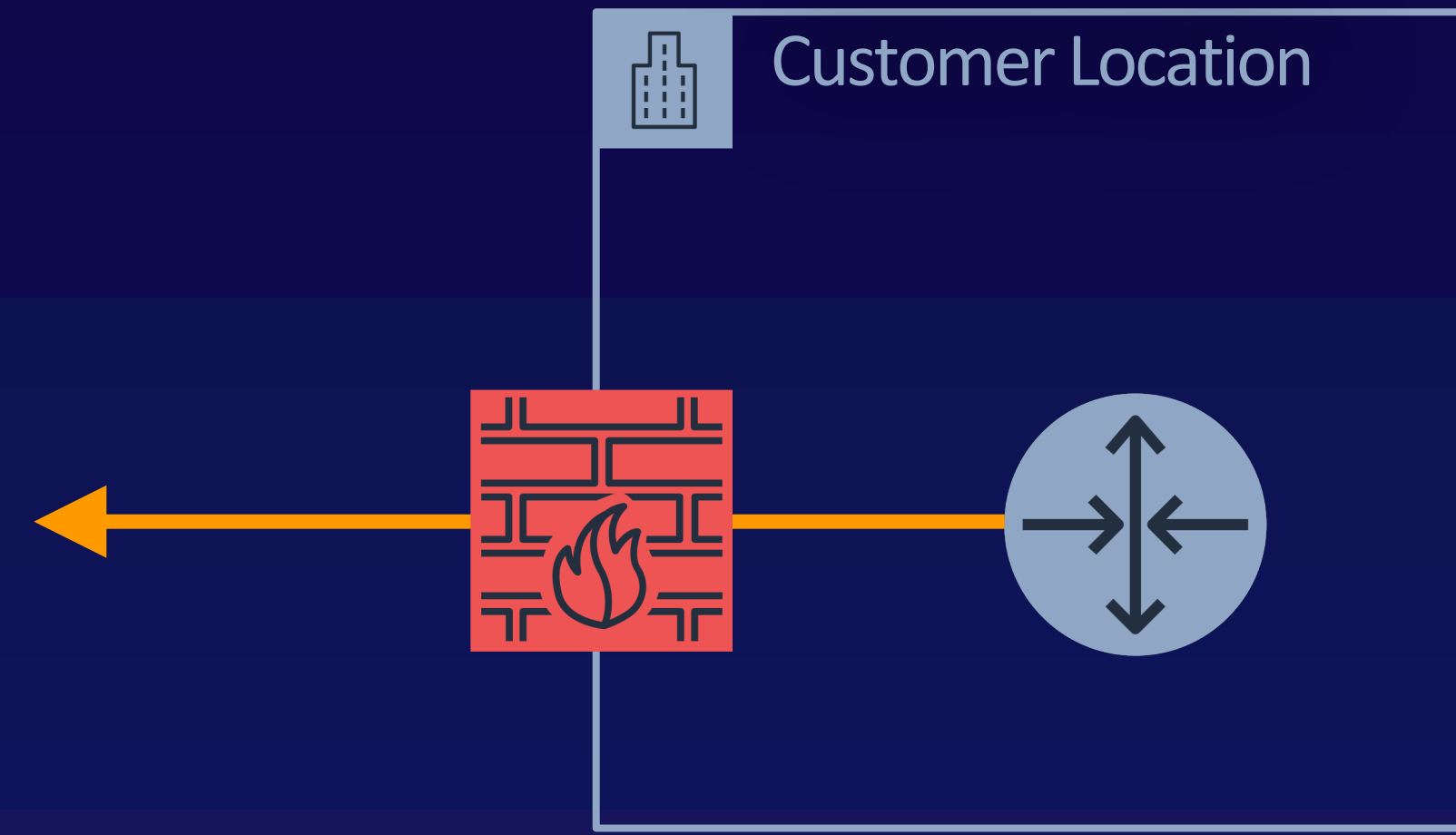


# Customer Gateway Device Requirements

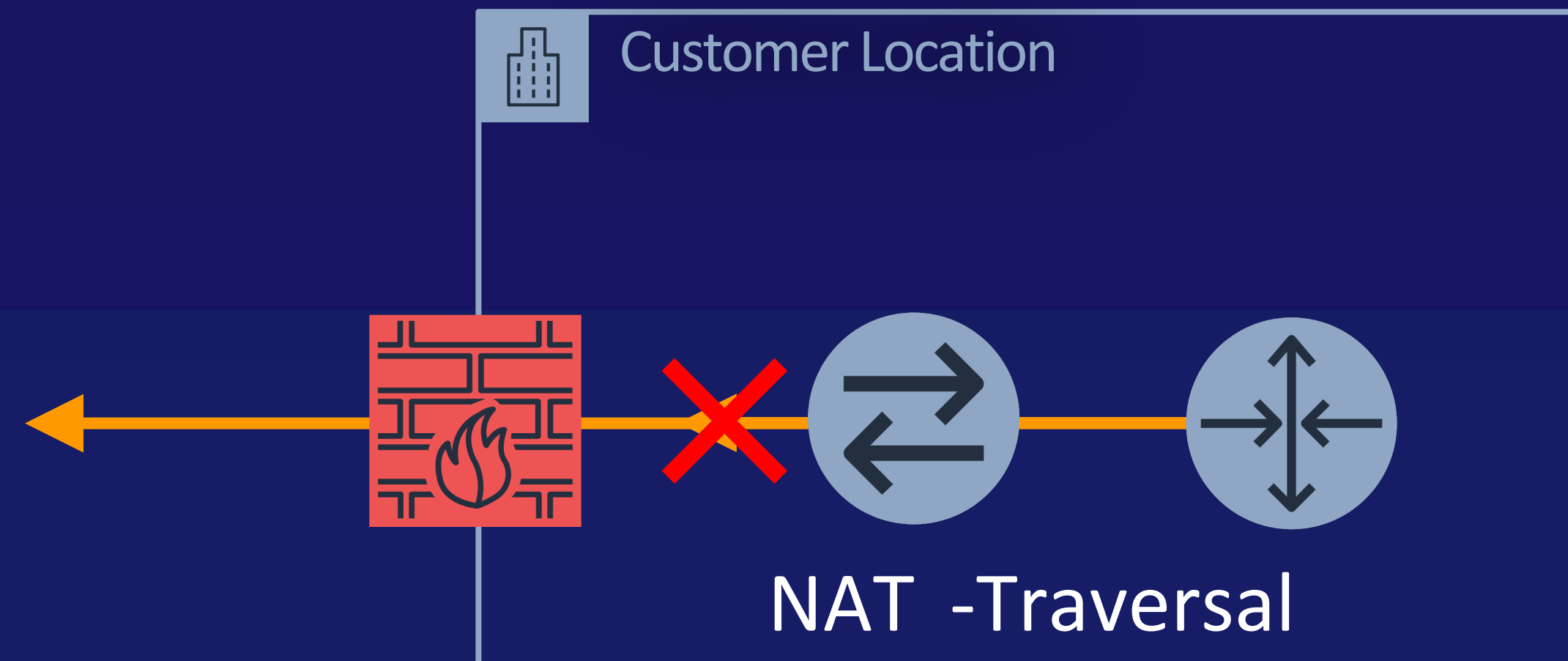
- 1** Must support IKE (*Internet Key Exchange*)
  - IKEv2 supported by AWS since Feb 6, 2019
- 2** Must support IPSec
- 3** Must be accessible by a static public IPv4 address
- 4** Must support Dead Peer Detection
- 5** BGP support is optional



Inbound and Outbound:  
UDP 500  
IP Protocol 50



With NAT Traversal:  
Include UDP 4500



# Customer Gateway Configuration Parameters

**1**

Name-tag value.

**2**

Dynamic or static routing.

- If Dynamic, then the ASN of the CGD is required.

**3**

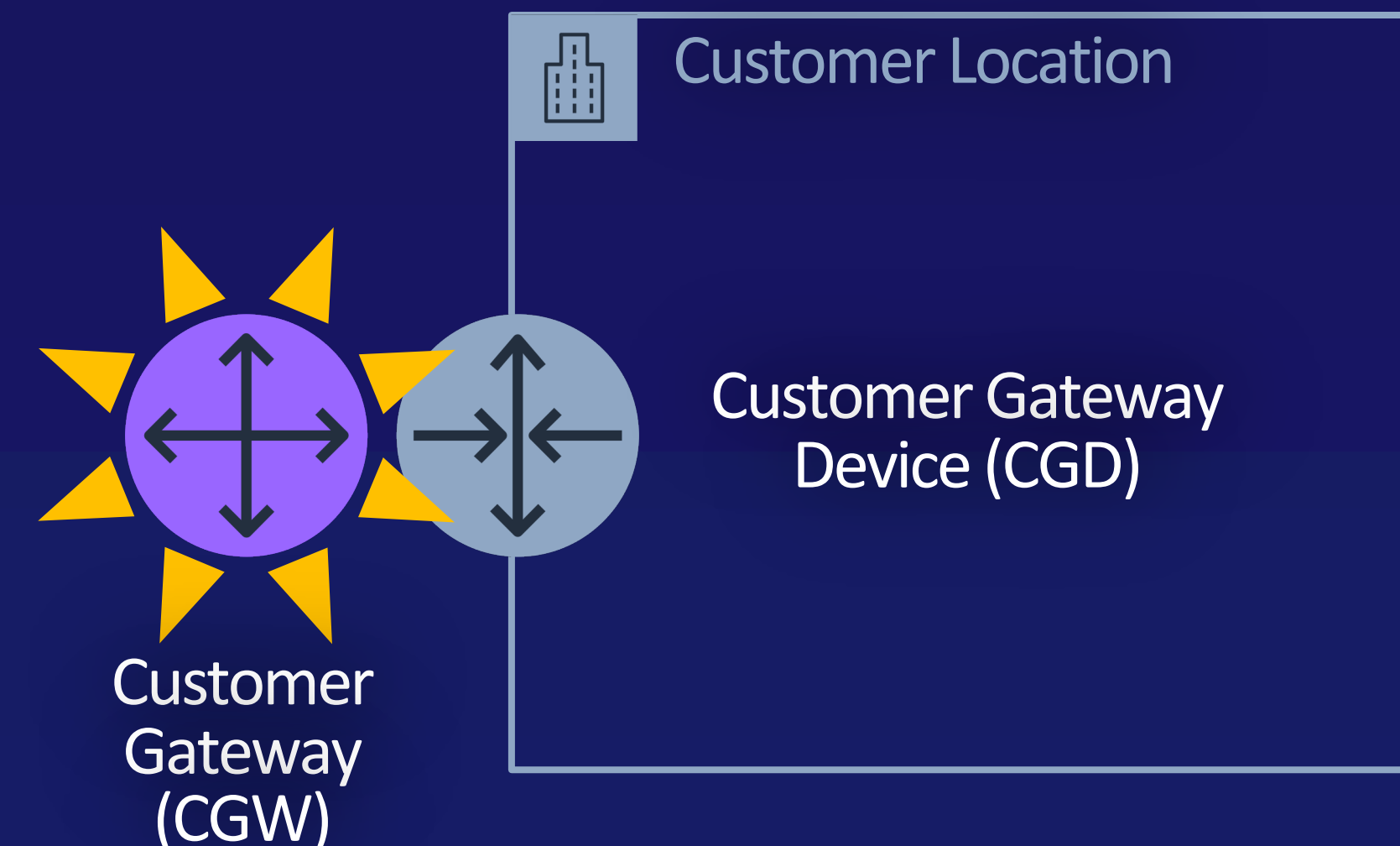
CGD public IP address.

- If CGD is behind NAT-T, use the public IP of the NAT server.

**4**

Optional – Assign an ACM generated certificate for IKE authentication.

- AWS-generated pre-shared key is default authentication.



# Customer Gateway Configuration Parameters

Customer Gateways > Create Customer Gateway

## Create Customer Gateway

Specify the Internet-routable IP address for your gateway's external interface; the address must be static and may be behind a device performing network address translation. You can also specify your gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN); this can be either a public or private ASN (such as those in the 64512-65535 range).

**Name**  ⓘ

**Routing**  Dynamic  
 Static

**BGP ASN\***  ⓘ

**IP Address**  ⓘ

**Certificate ARN**  ↕ ⓘ

\* Required

🔍 Filter by attributes

Certificate ARN	Domain Name
arn:aws:acm:us-west-2:123456789012:certificate/5a3d0787-e60c-42b5-b6e9-bfad5d05fa90	example.com
arn:aws:acm:us-west-2:123456789012:certificate/34c8196e-1cb6-43d1-b253-94608b22cbf9	server
arn:aws:acm:us-west-2:123456789012:certificate/13aecacb-5431-4622-b4ba-7f4e49dd3a8a	client1.domain.tld

The VPN endpoint device at the customer network must support all requirements for AWS VPN connections

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**A Customer Gateway** is an AWS representation of the customer gateway device

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The customer gateway device will require additional configuration after the AWS VPN connection has been created