



INNOVATE2018

ONLINE CONFERENCE



VMware Cloud on AWS: Next Generation Hybrid Cloud Architecture (Level 200)

David Lim, APAC Head Consulting Partners
Frank Fan, Partner Solution Architect

Market Opportunity

\$236B

Public cloud market
by 2020 *

90%

Of Organizations Will
Adopt

*The Public Cloud Services Market Will Grow Rapidly To \$236 Billion in 2020". Forrester

**Gartner Predicts 2017: Infrastructure Services Become Hybrid Infrastructure Services

Hybrid Infrastructure**



Introducing VMware Cloud on AWS



Leading compute, storage & network virtualization capabilities



Support for broad range of workloads



De-facto standard for the enterprise DC



Flexible consumption economics



Broadest set of cloud services



De-facto standard for the public cloud



Introducing VMware Cloud on AWS

The Leading Virtualization Platform, Delivered On The Leading Public Cloud

Simple And Consistent Operations

**Operational Consistency
With vCenter, APIs And Third-
Party Tools**

**100% Compatibility For Existing
And New Enterprise Workloads
Using VMware**

**Delivered As A Service, Removing
Management Hassles**

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Enterprise Grade Capabilities

**Enterprise App SLAs For
Availability And Performance**

**Enterprise Security With Micro-
Segmentation And Encryption**

**Optimize Use Of Underlying
Physical Resources**

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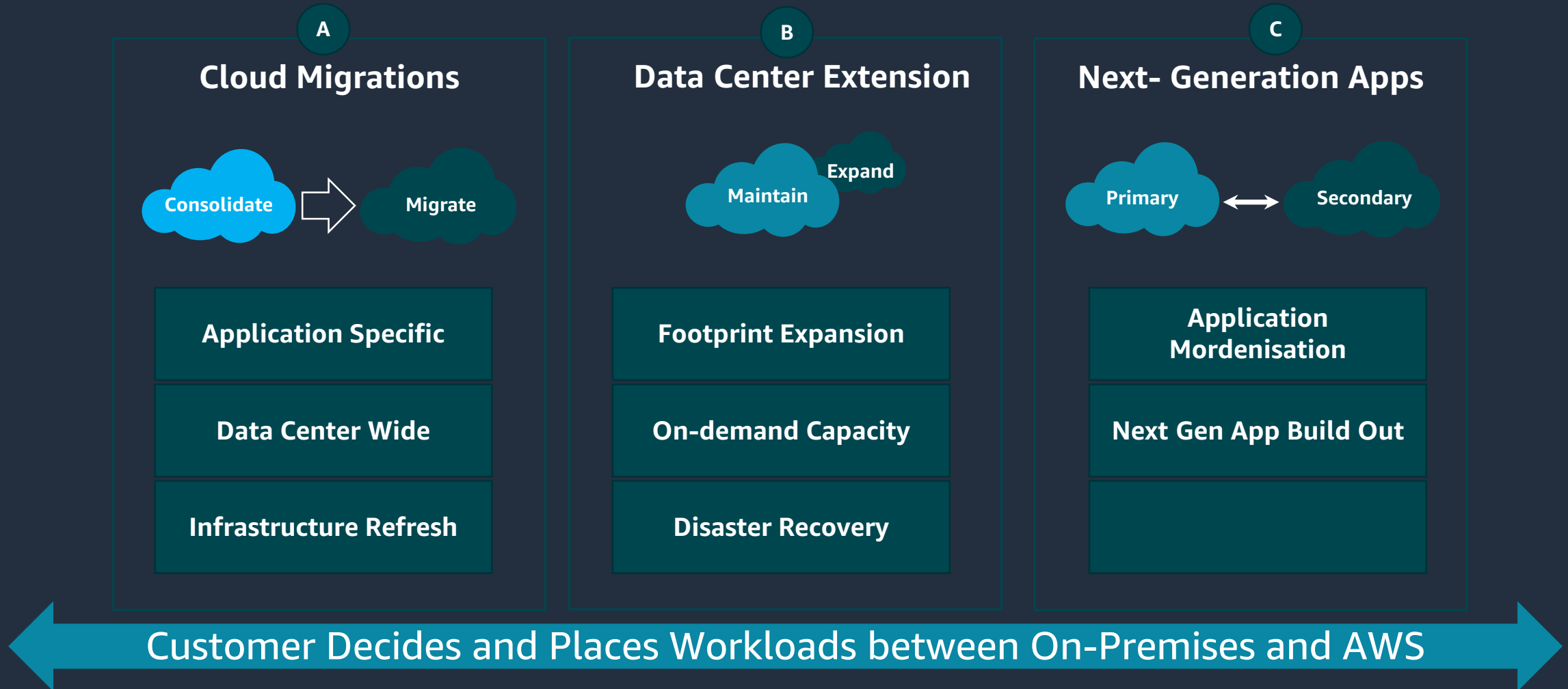
Flexible and Innovative

Access To A Broad Range Of AWS Services

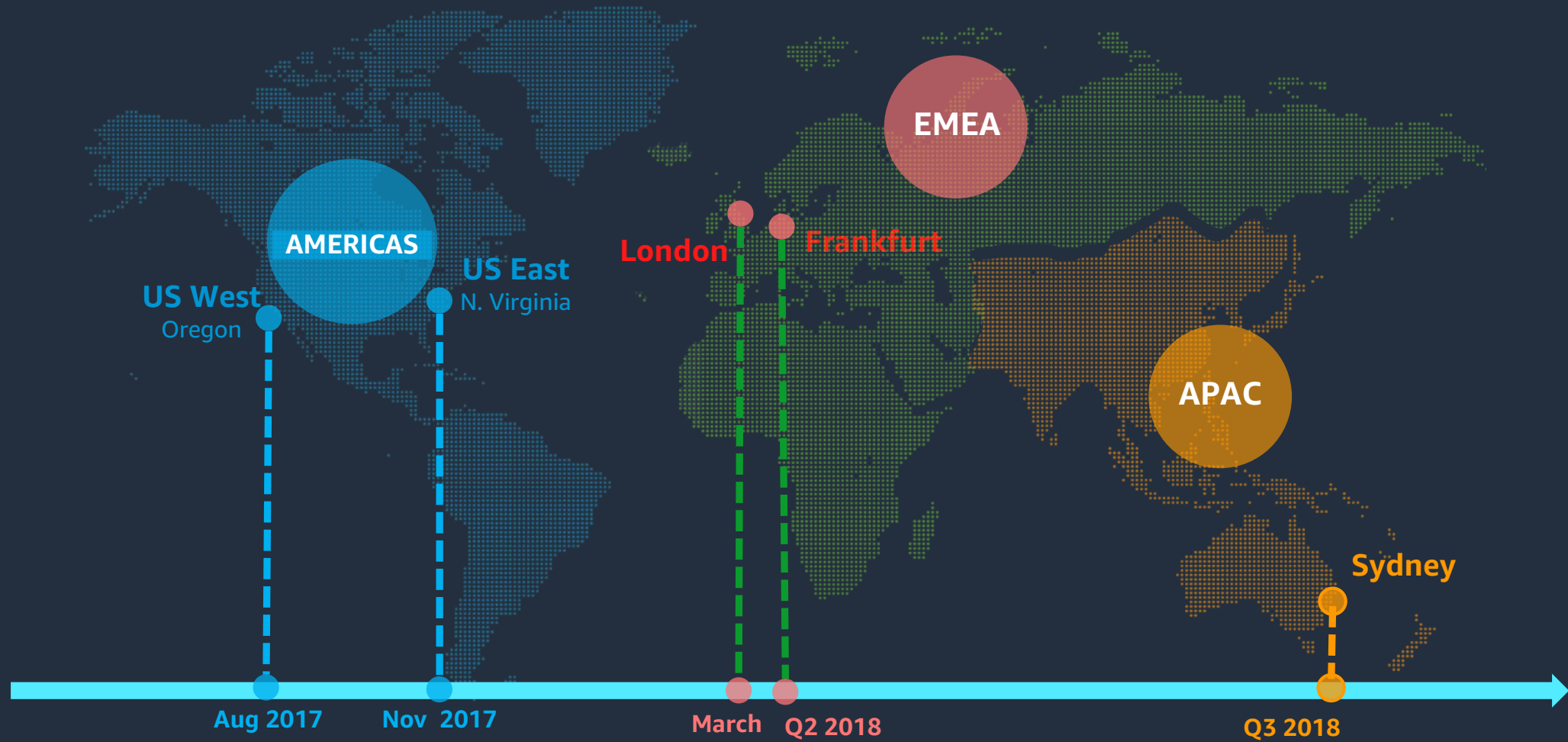
Enable Flexible Consumption, With Elastic Resources, On-demand

Deliver Bi-directional Workload Portability Between VMware And AWS

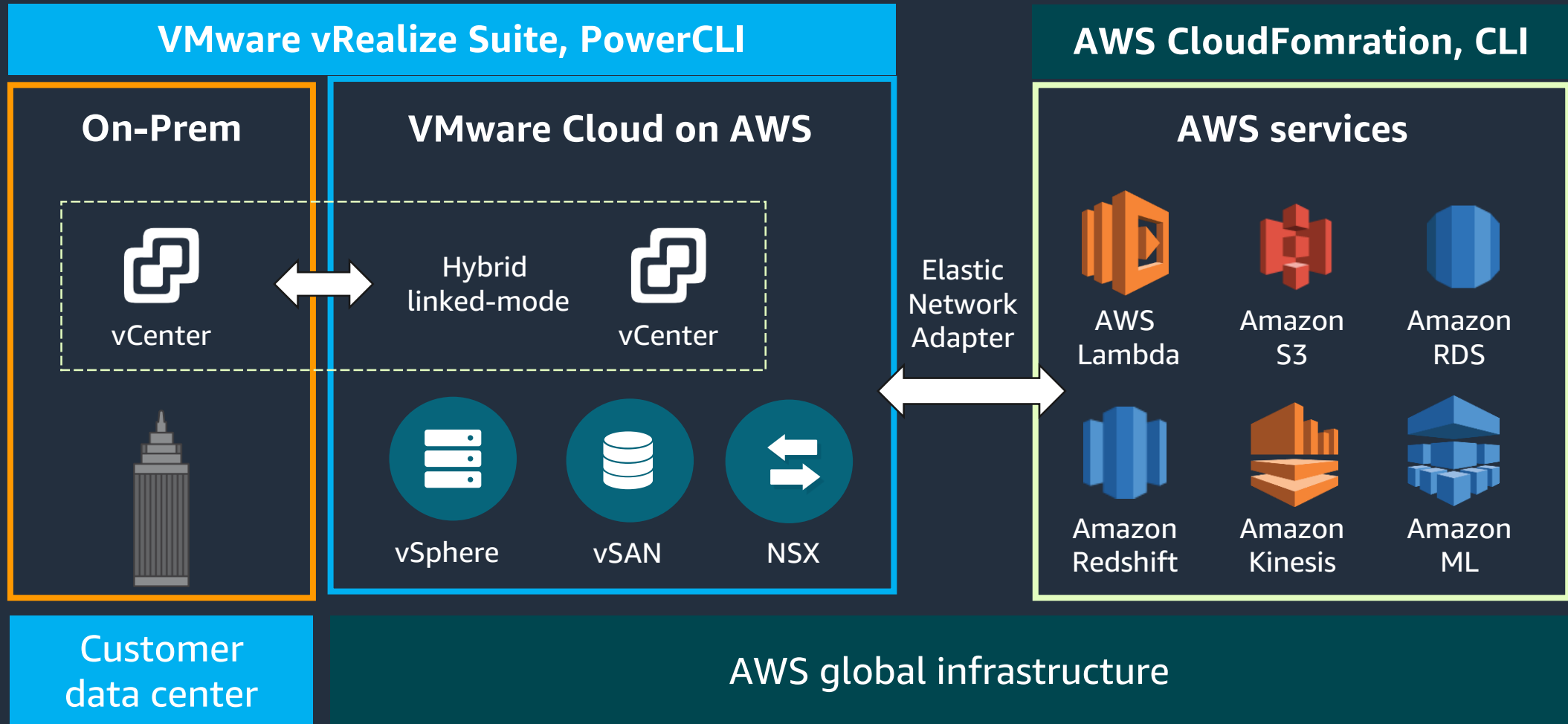
VMware Cloud on AWS Use Cases



Region Availability



VMware Cloud on AWS Overview



Amazon EC2 Bare Metal Instances

EC2 Bare Metal

Run bare metal workloads on EC2 with all the elasticity, security, scale, and services of AWS



i3.metal

Intel Xeon E5 2686 v4 (Broadwell)
36 hyperthreaded cores
15.2-TB SSD-based NVMe storage
512-GiB RAM

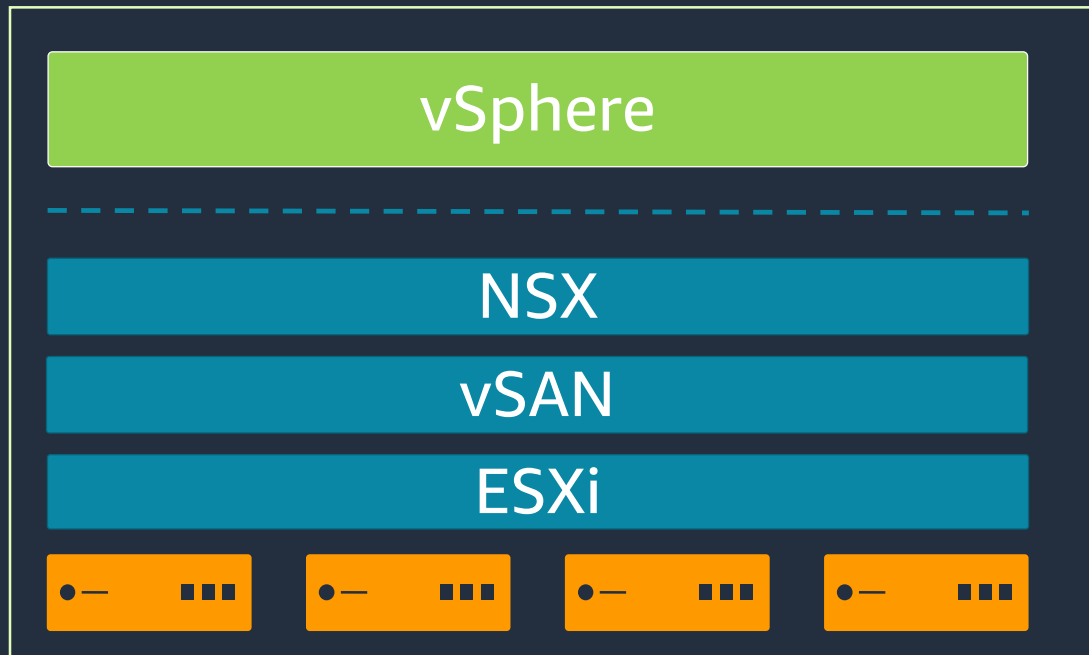


Designed for workloads that are not virtualized, do not require specific types of hypervisors, or have licensing models that restrict virtualization

Powers the VMware Cloud on AWS

What is VMware Cloud on AWS?

Software Defined Data Center



Network and Security

- NSX
- 25Gb ENA

Storage

- All Flash (Capacity/Cache)
- vSAN

Compute

- Bare Metal
- I3.16xlarge Equivalent
- Intel Xeon E5 2686 v4 (Broadwell)
- Add capacity on demand
- 36 Hyperthreaded Cores/72 vCPUs
- 512GiB Memory
- 15.2-TB SSD-based NVMe storage

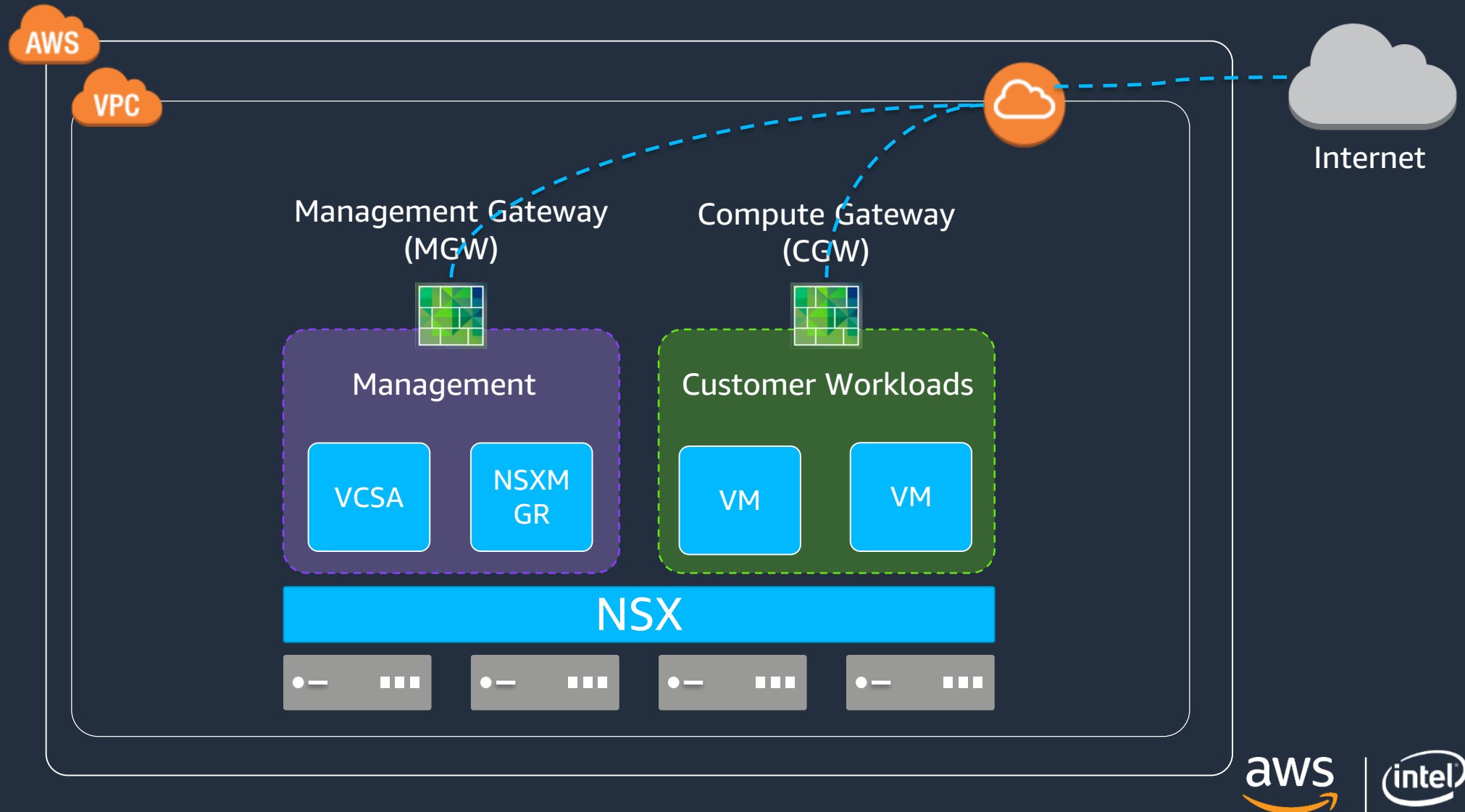


Hypervisor

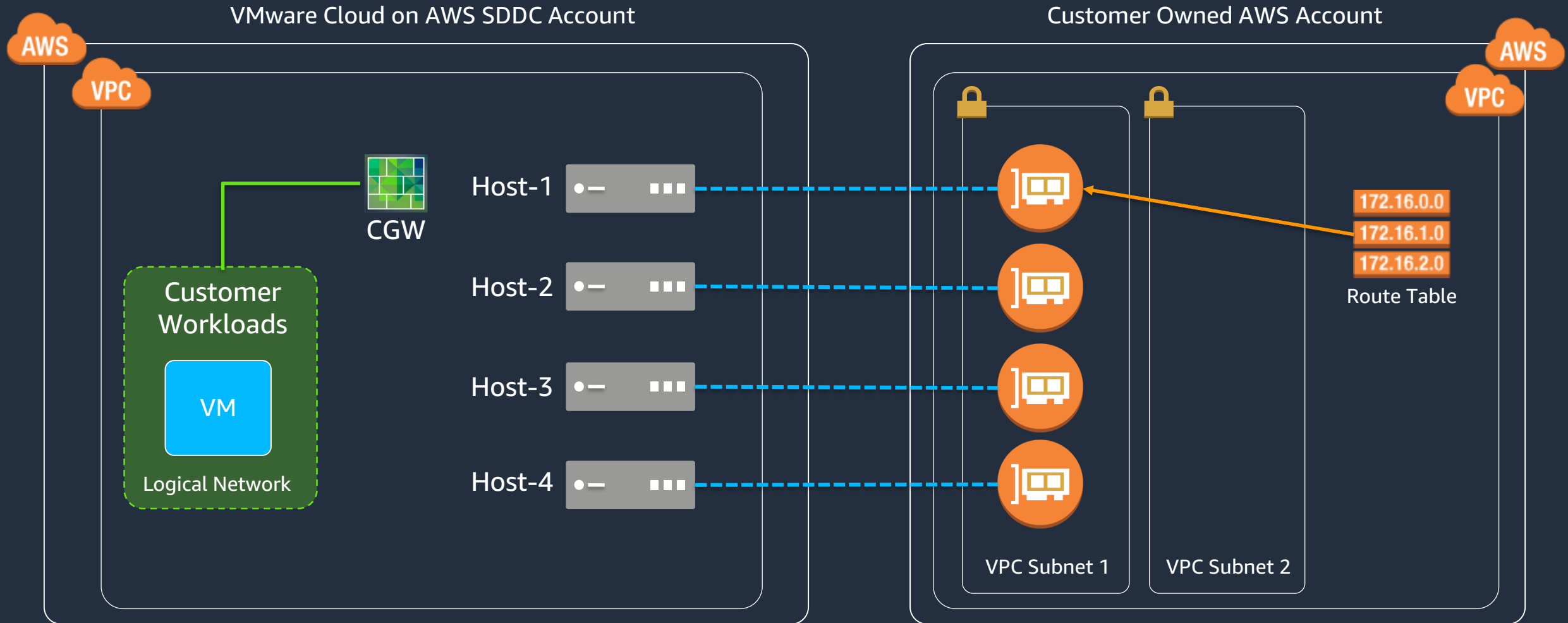
- VMware Managed
- HA/DRS enabled
- No SSH/Root
- No VIBs/Plugins
- Delegated Permissions

VMware Cloud On AWS: Overlay

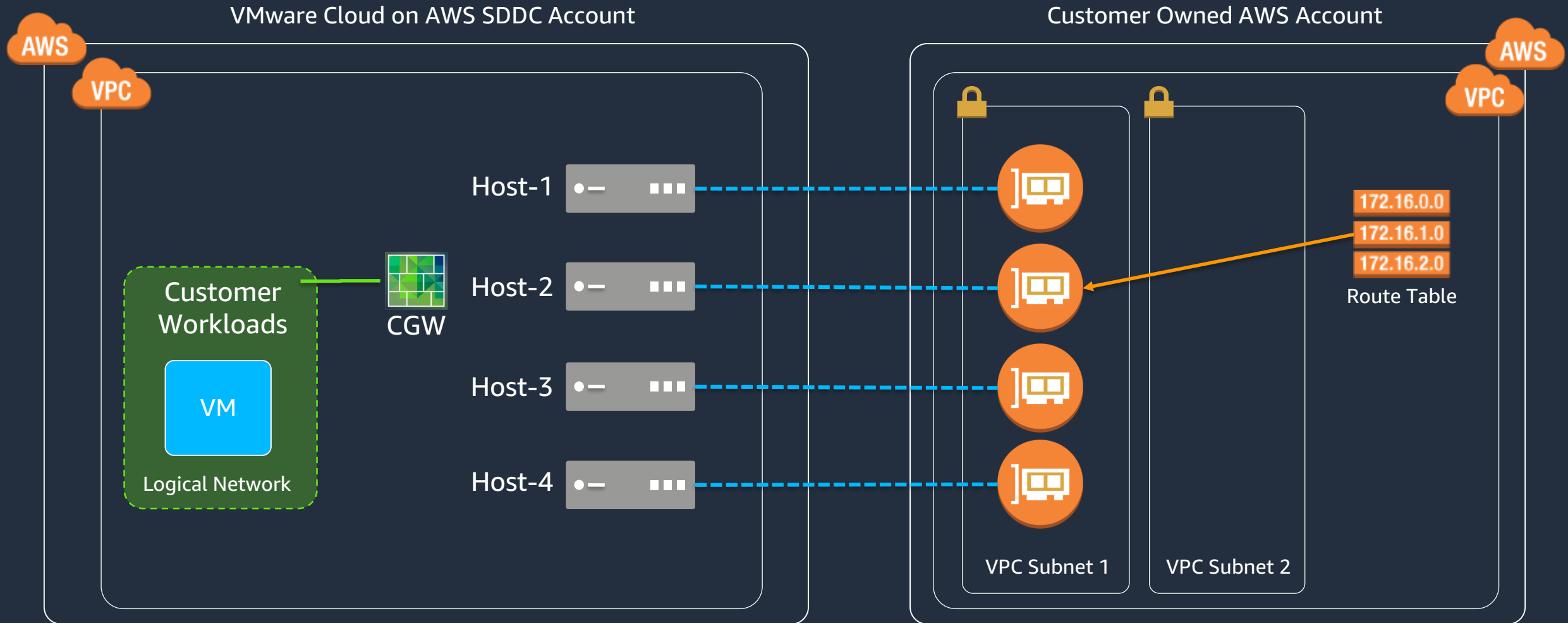
VMware Cloud on
AWS SDDC Account



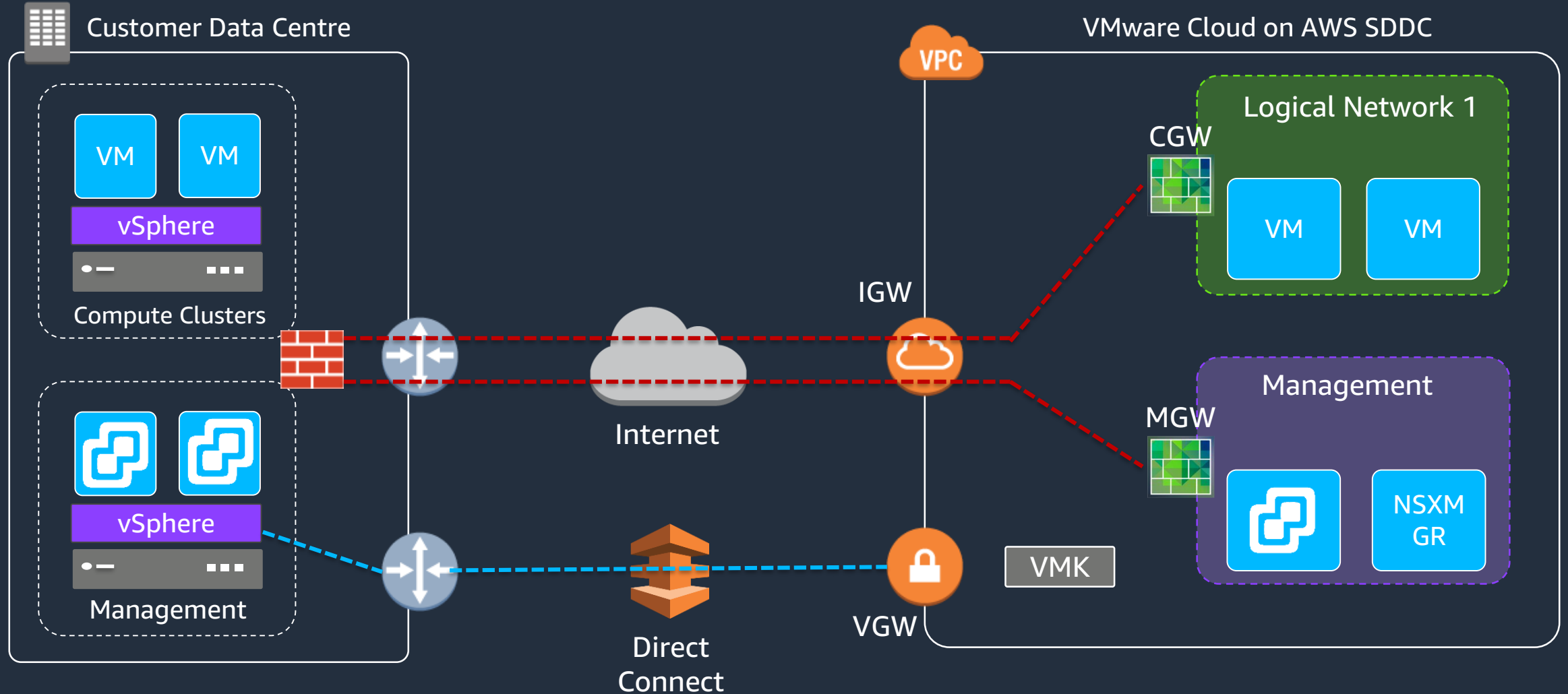
Customer AWS Account Connectivity



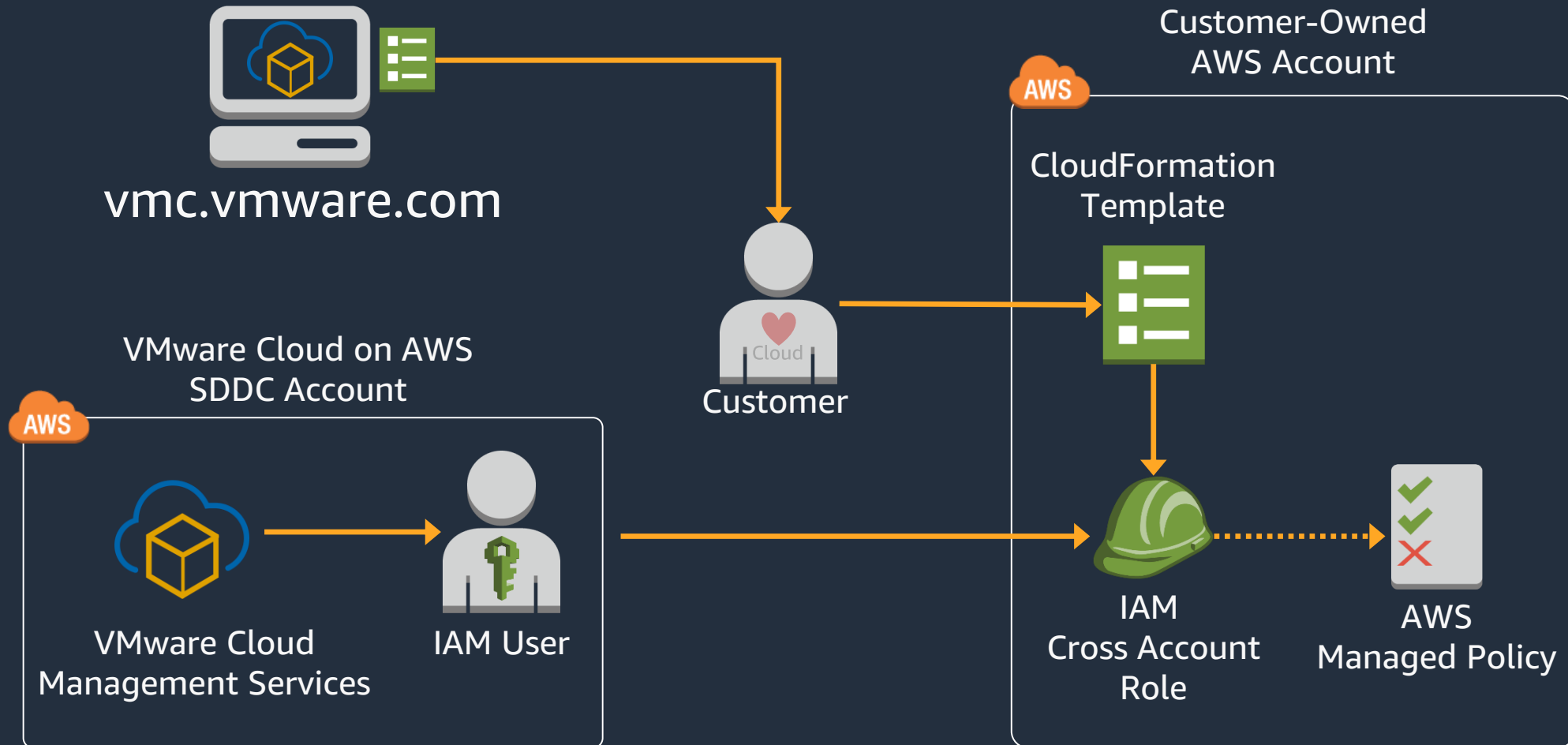
Customer AWS Account Connectivity



On-Premises Connectivity

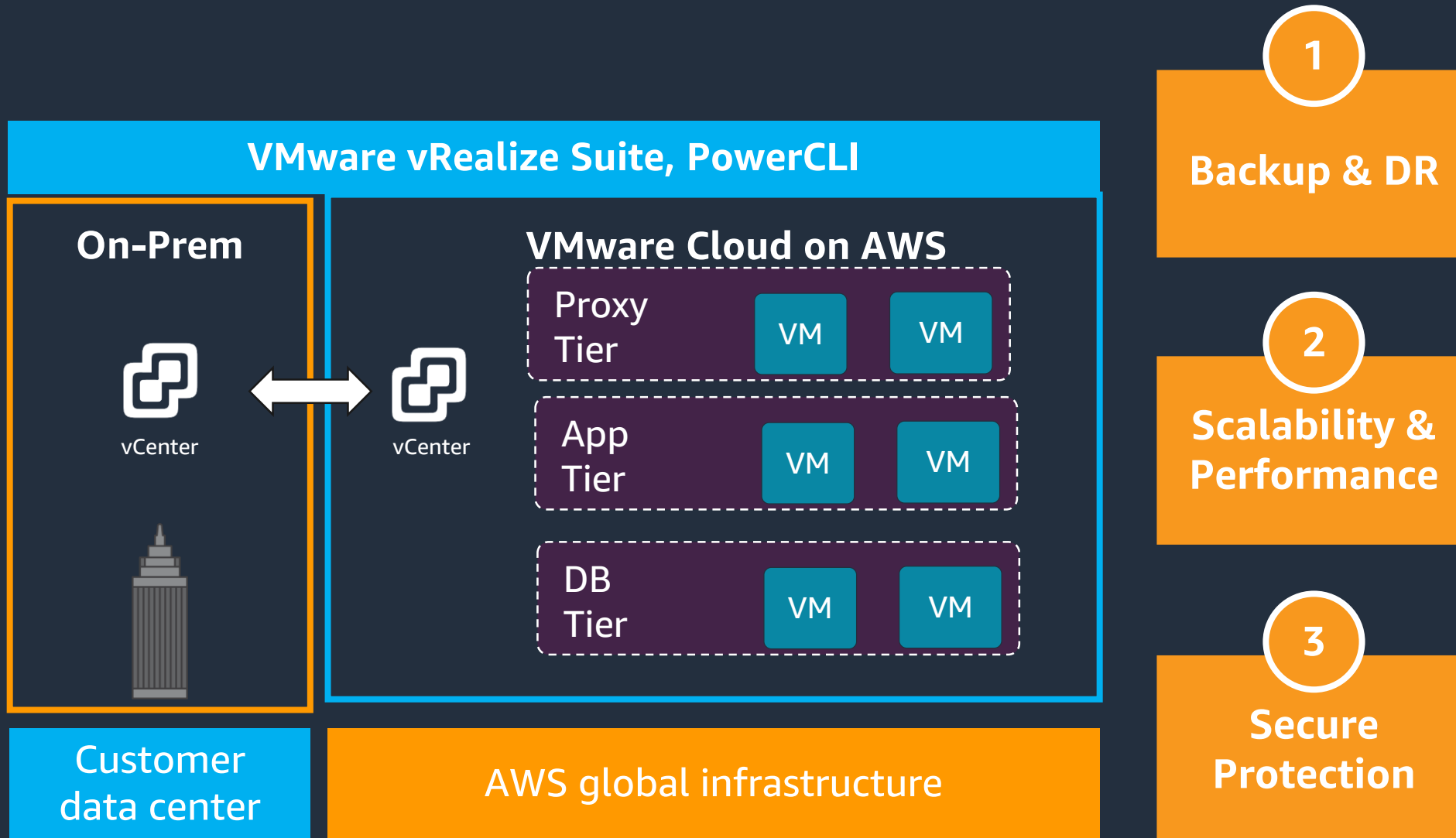


Connecting to an AWS account

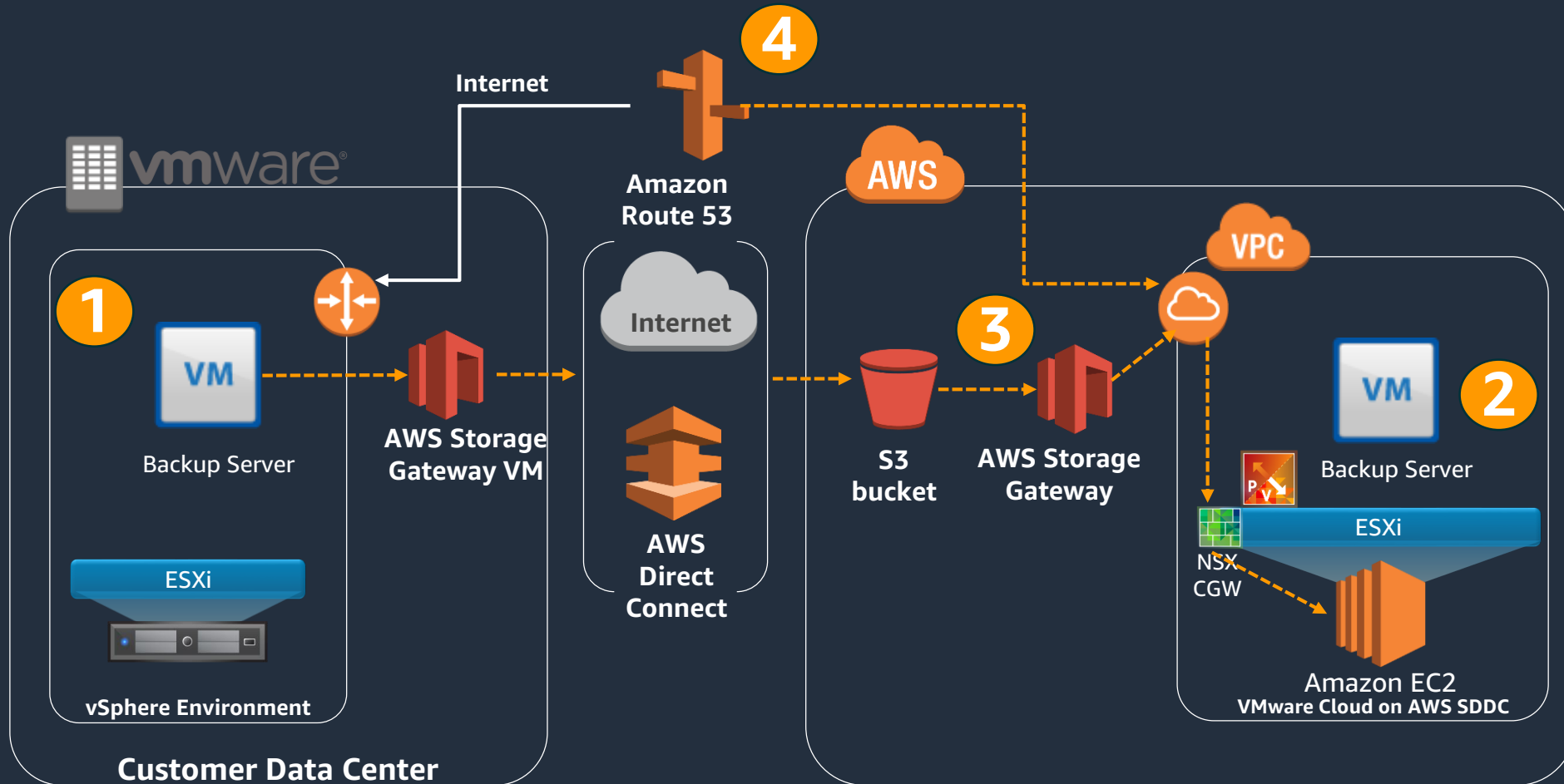


Demo Time!

Requirements of Company ACME



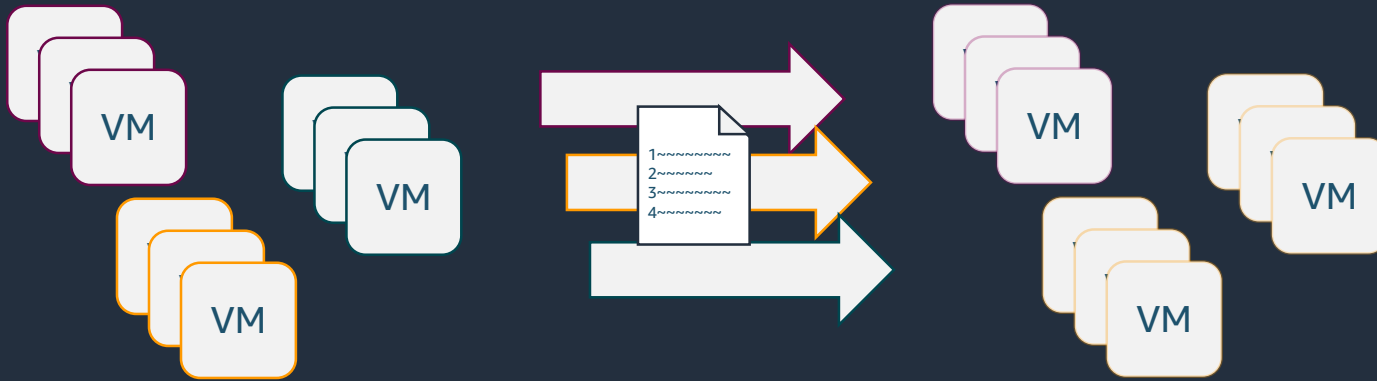
Req #1 Backup & Recovery



Req #1 VMware Site Recovery



Disaster Recovery to VMware Cloud



vSphere



VMware Cloud on AWS



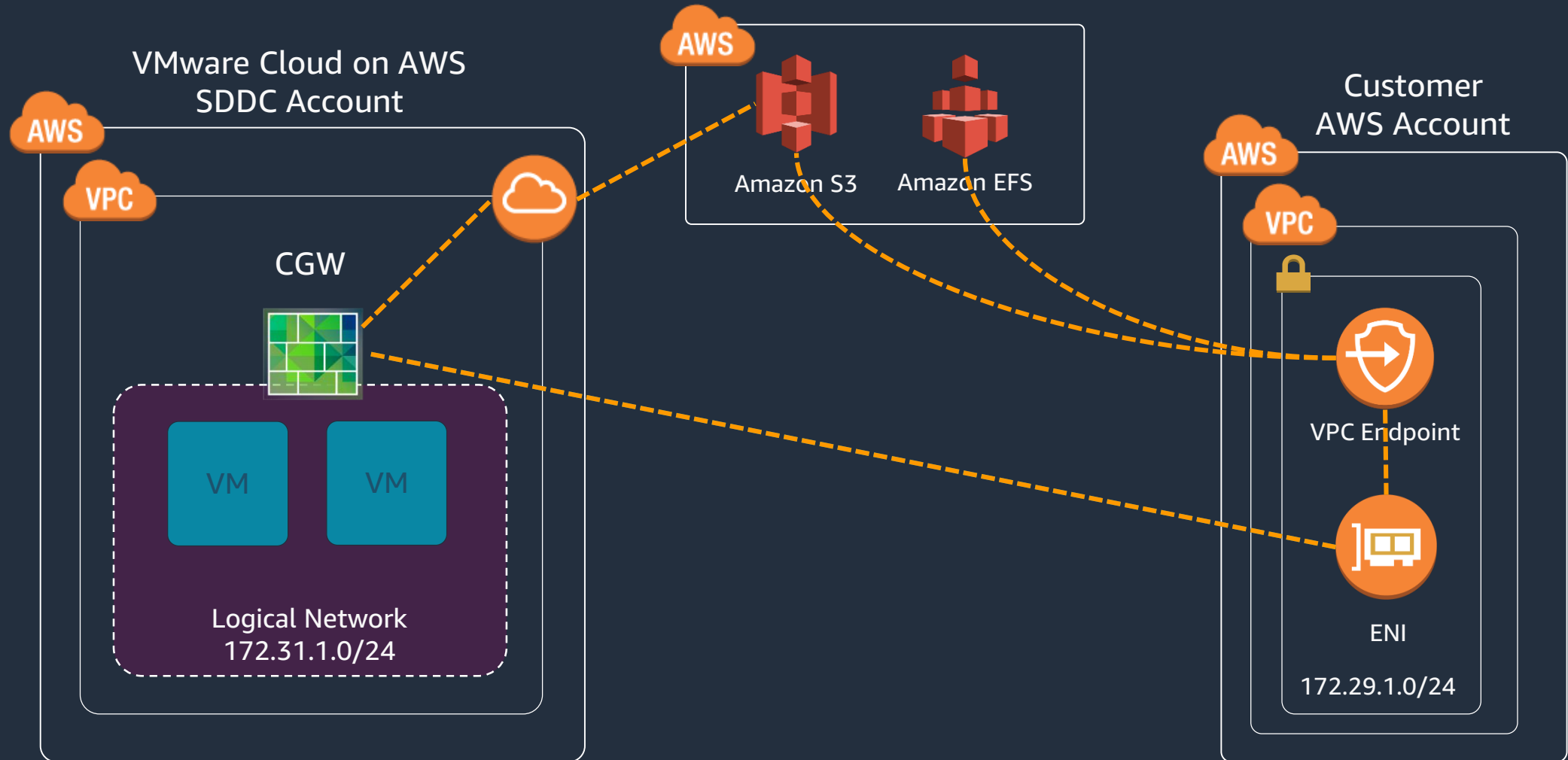
VMware Site Recovery can solve these common DR challenges by helping you:

- Accelerate time-to-protection
- Simplify DR operations
- Apply Cloud Economics

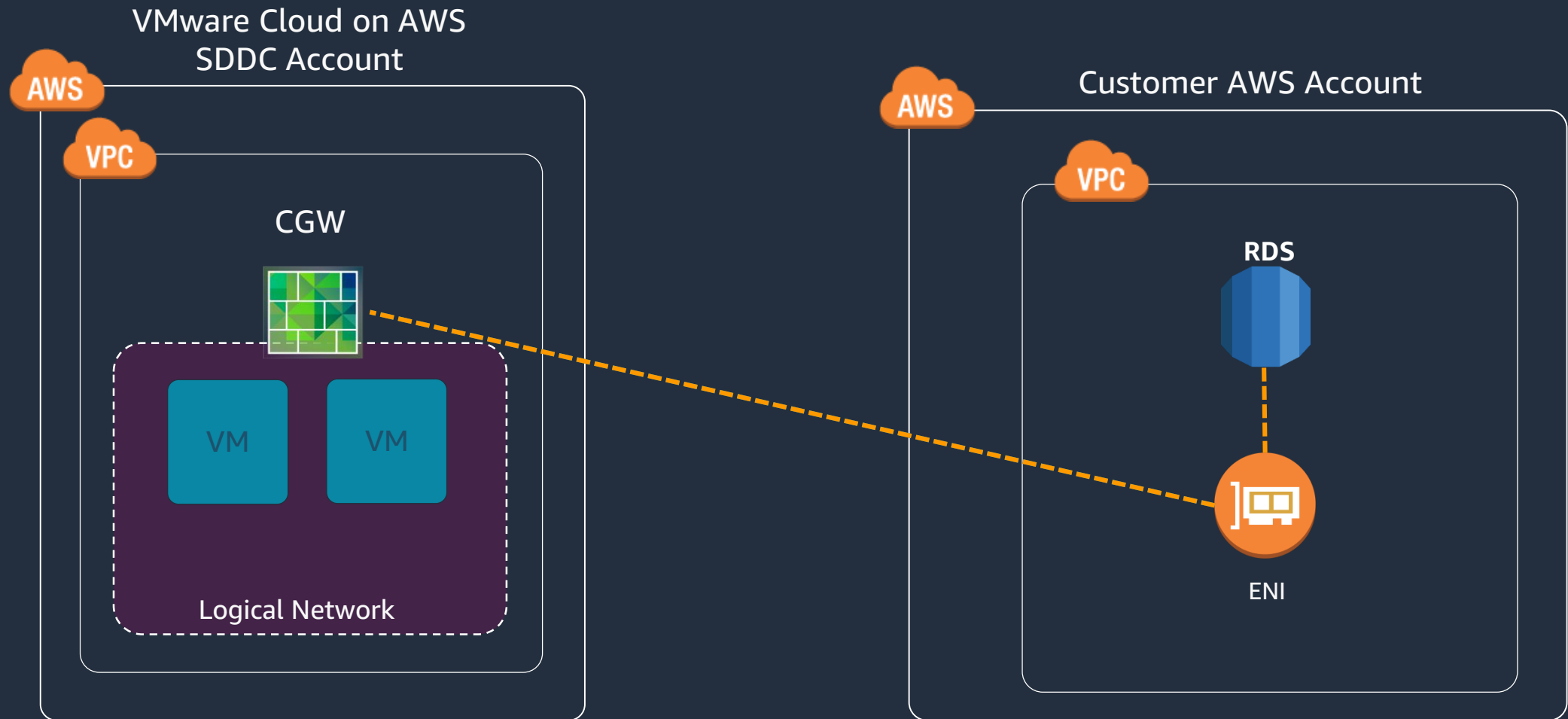
Key Features

- Ease of initial setup and ongoing management
- Simple failover with one-click
- Predictable failback with one-click
- Non-disruptive, on-demand testing
- No IP change needed

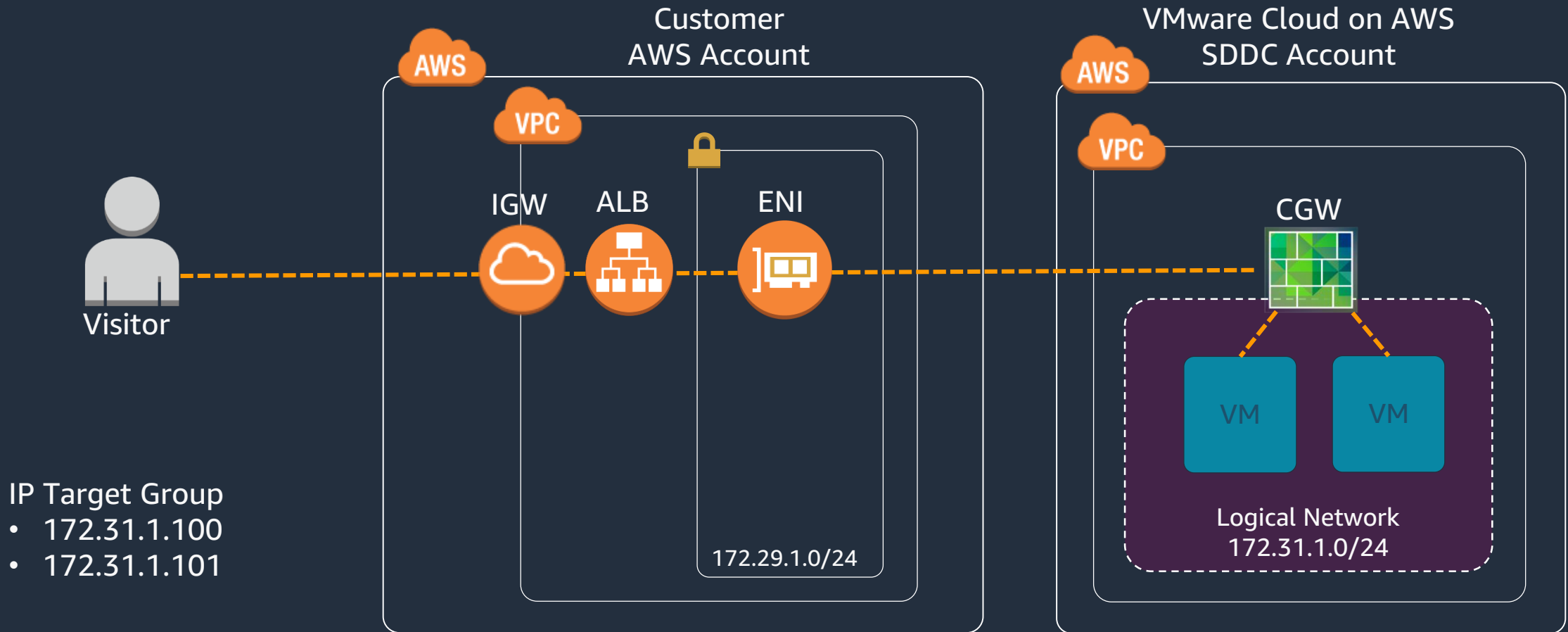
Req #2 Scalability & Performance – Storage



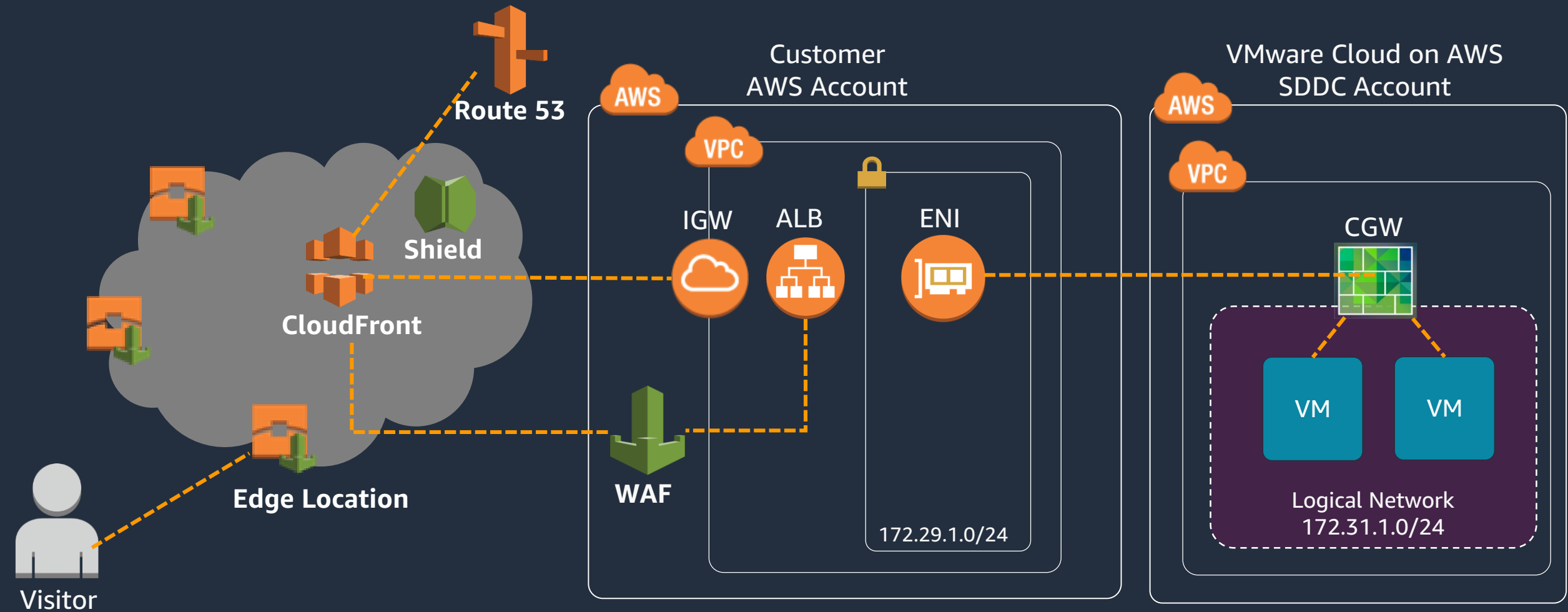
Req #2 Scalability & Performance – Database



Req #3 – Secure Protection



Req #3 – Secure Public Facing Applications



The hybrid cloud journey of Company ACME

Seamless Migration

- vMotion

1

Backup & DR

- Amazon S3
- Amazon Storage Gateway
- VMware Site Recovery

2

Scalability & Performance

- Application Load Balancer
- Relational Database Services (RDS)
- Amazon Elastic File System (Amazon EFS)

3

Secure Protection

- Amazon Route 53
- Amazon CloudFront
- AWS WAF
- AWS Shield

VMware Cloud on AWS Resources

- Public Website: [aws.amazon.com/vmware
cloud.vmware.com/vmc-aws](https://aws.amazon.com/vmware/cloud.vmware.com/vmc-aws)
- Public Videos: [VMware Cloud on AWS Youtube](#)
(includes re:Invent 2017
breakouts)
- Social Media: [@awscloud #VMWonAWS](#)
- David Lim – limbo@amazon.com

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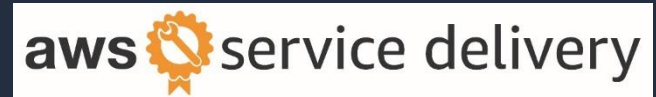
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