

Getting Started with VMware Cloud on AWS

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VMware and AWS partnered to deliver a seamlessly integrated hybrid cloud

Jointly engineered solution delivers the best of VMware and AWS for customers

vmware®

+

aws

- Leading compute, storage and network virtualization capabilities
- Support for a broad range of workloads
- De-facto standard for the enterprise DC

- Flexible consumption economics
- Broadest set of cloud services
- Global scale and reach

VMware Cloud on AWS

Delivering proven enterprise capabilities on the world's most popular public cloud



As-a-Service

Rich VMware SDDC delivered as a cloud service on AWS



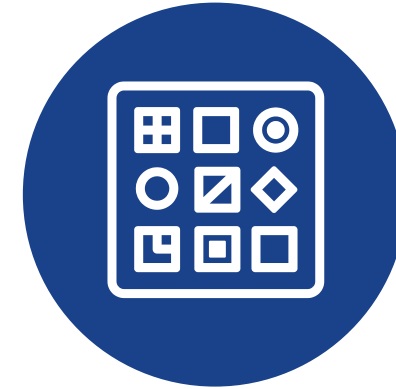
Consistent

Consistency and familiarity of VMware technologies



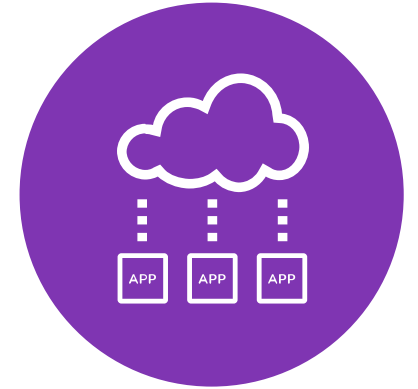
Portable

Easy workload portability and hybrid capabilities



Integrated

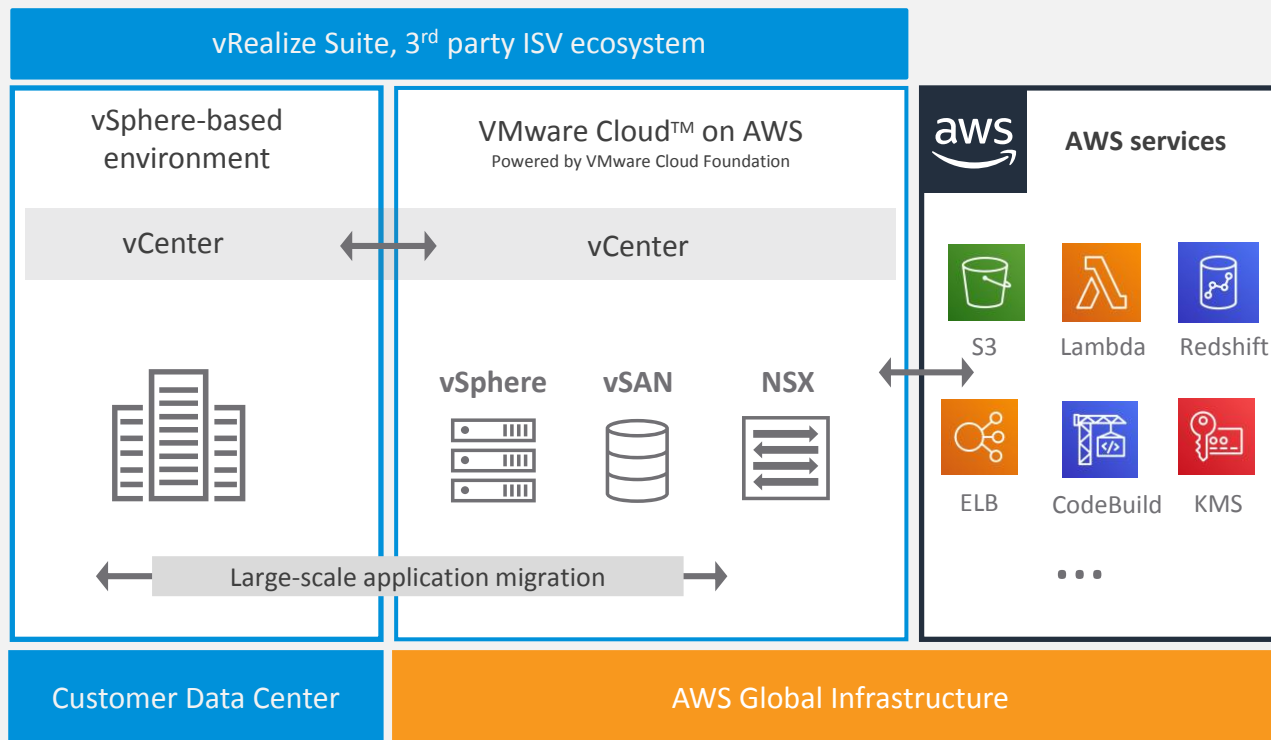
Direct access to the power of native AWS services



Any App

Existing and new apps with Containers and VMs

VMware Cloud on AWS: Jointly engineered cloud service



- VMware SDDC running on AWS bare metal
- Delivered, operated, supported by VMware
- On-demand capacity and flexible consumption
- Full operational consistency with on-premises SDDC
- Seamless large-scale workload portability and hybrid operations
- Global AWS footprint, reach, availability
- Direct access to native AWS services

Customer-driven Use-cases

Aligning intended use to long term cloud strategy

Data center extension

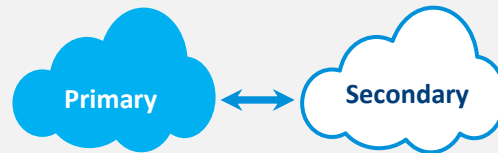


Footprint expansion / On-demand capacity

Virtual Desktops & Published Apps

Test/Dev

Disaster recovery



New DR

Replace existing DR

Complement existing DR

Cloud migrations

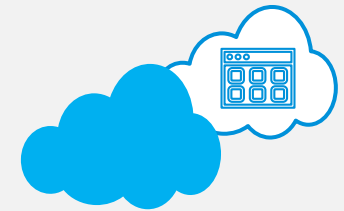


Application specific

Data center wide

Infrastructure refresh

Next-generation apps



Application modernization

New application build-out

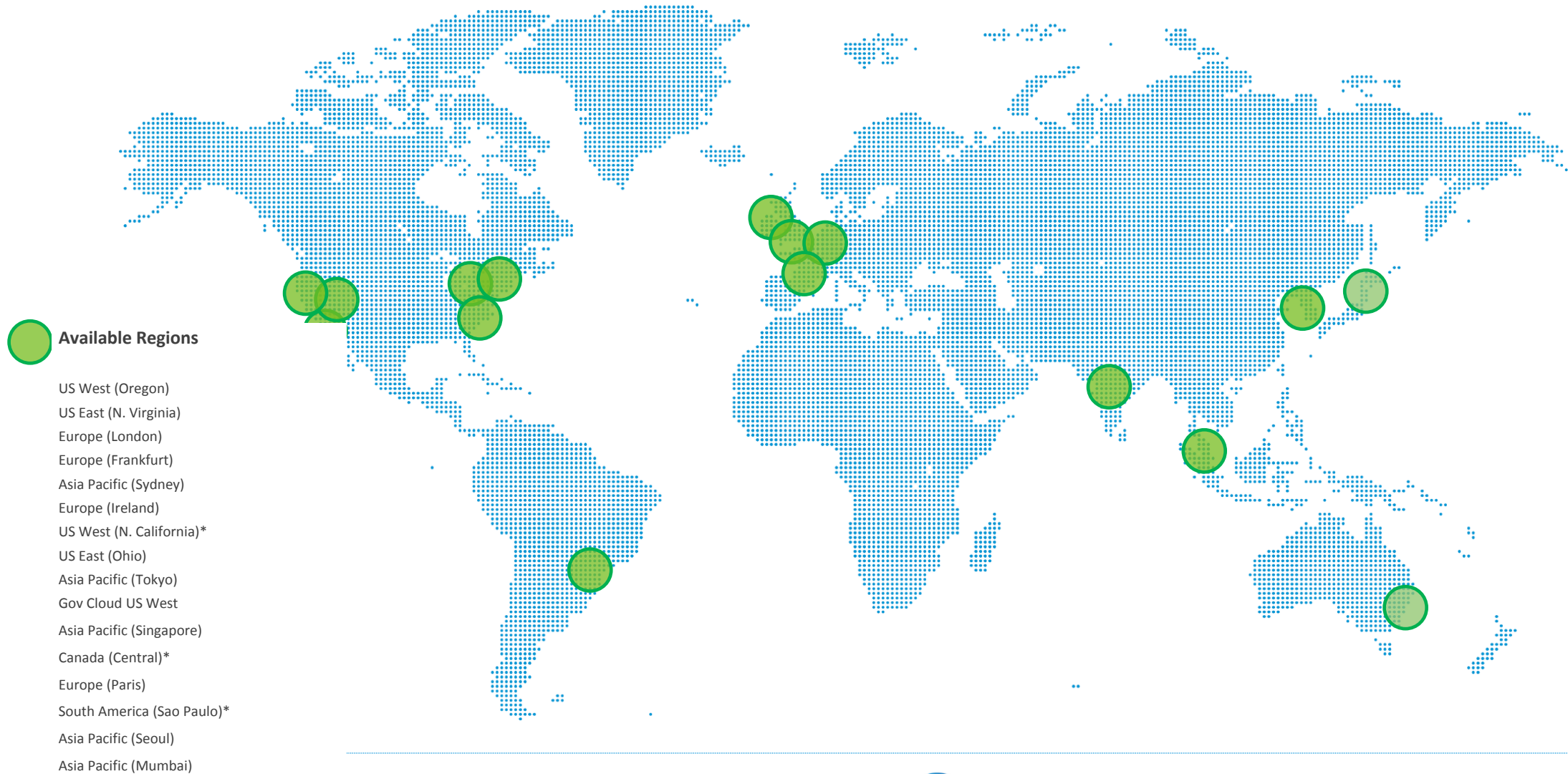
Hybrid applications



Use Cases Enabled by Horizon 7 on VMware Cloud on AWS



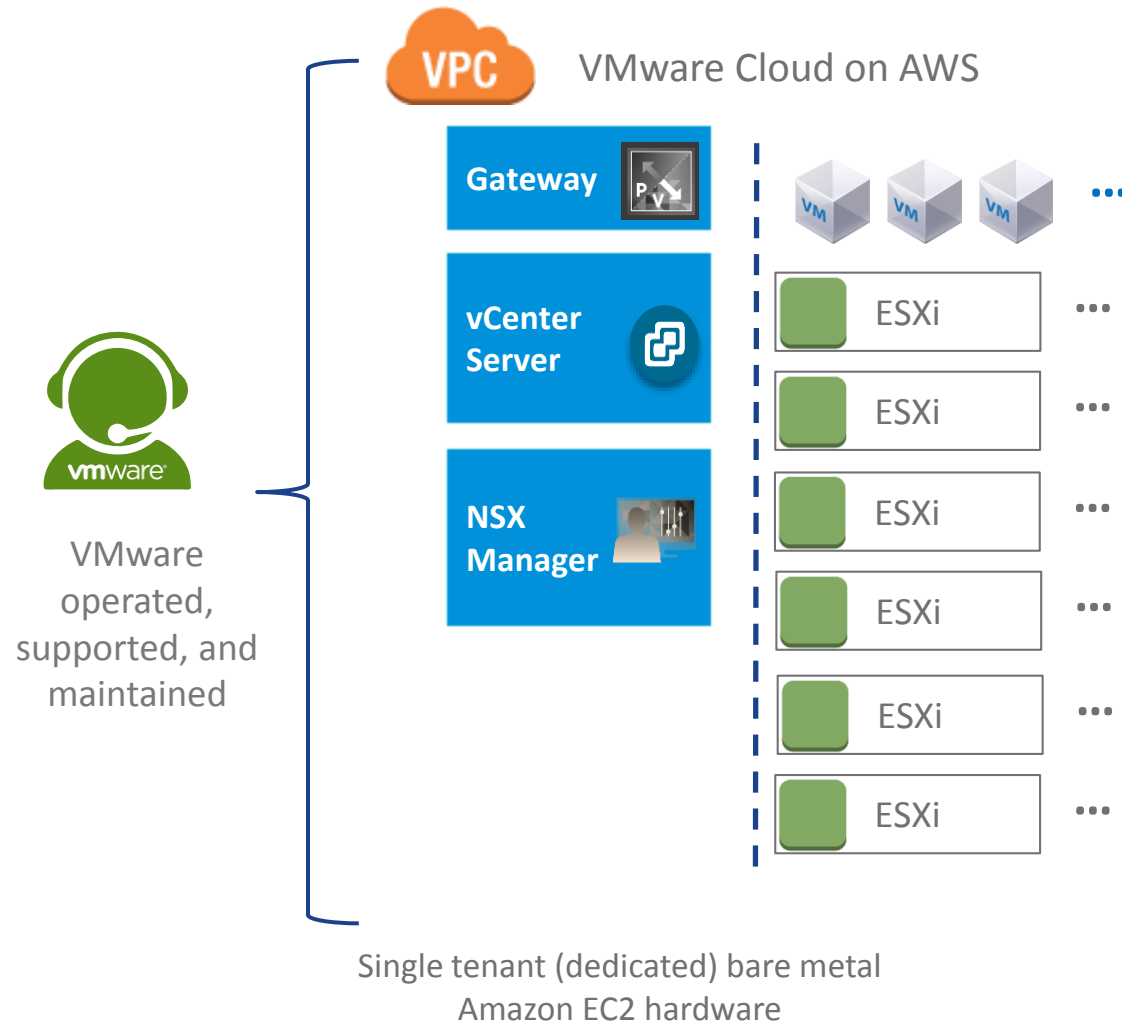
Available in 16 Global AWS Regions for Our Customers



* Stretched cluster not supported



VMware Cloud on AWS – Under the Hood



Overview

Fully configured VMware software stack running on state-of-the-art infrastructure provisioned on-demand in minutes

Latest software

- VCSA, ESXi, NSX, VSAN, H5 client

Dynamic capacity

- DRS/HA compute cluster (Intel x86)
- VSAN storage cluster (SSD)
- NSX network virtualization (10 Gbps+)

Flexible topology

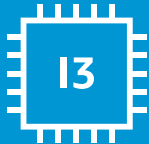
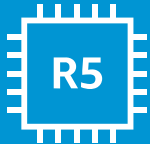
- Standalone cloud cluster
- Cloud-to-cloud connectivity

Hybrid Cloud Extension (HCX)

- Large-scale rapid workload migration-no retrofit
- Migration 10X faster than conventional methods
- Hybrid connectivity to on-premises sites
- Included as part of the service

Expanding Host Portfolio Optimized for Specific Use Cases

Support for both i3.metal and r5.metal bare metal instance types

	i3.metal		R5.metal	
Typical Use Case	General Purpose Clusters		Storage Bound Clusters	
Compute				
CPU Type	Intel Xeon E5-2686		Intel Xeon Skylake	
CPU Cores	36 Cores @ 2.3Ghz		48 Cores @ 2.5 Ghz	
Memory				
RAM	512 GiB		768 GiB	
Storage				
Type	SSD On-host		EBS Only	
Capacity Tier	~10,600 GiB		15,000 GiB to 35,000 GiB	
Network				
Physical Speed	25 Gbps		25 Gbps	

High-performance, cost effective connectivity

Variety of connection options from on-premises to AWS

IPSec VPN

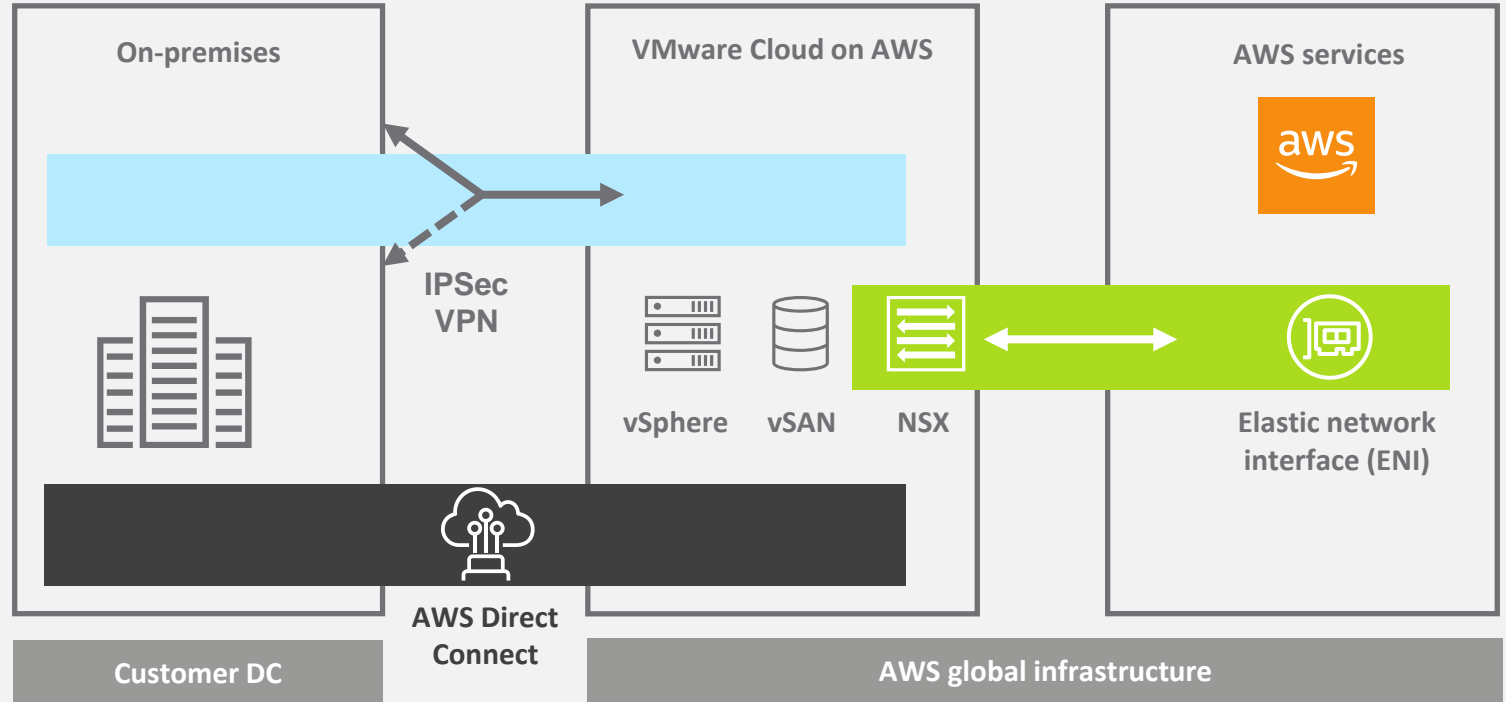
Secure connectivity over a shared internet

AWS Direct Connect

Private, dedicated network connection with guaranteed performance

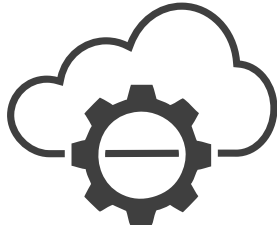
NSX Coupled with ENI

High-bandwidth, low-latency connection to AWS customer VPC

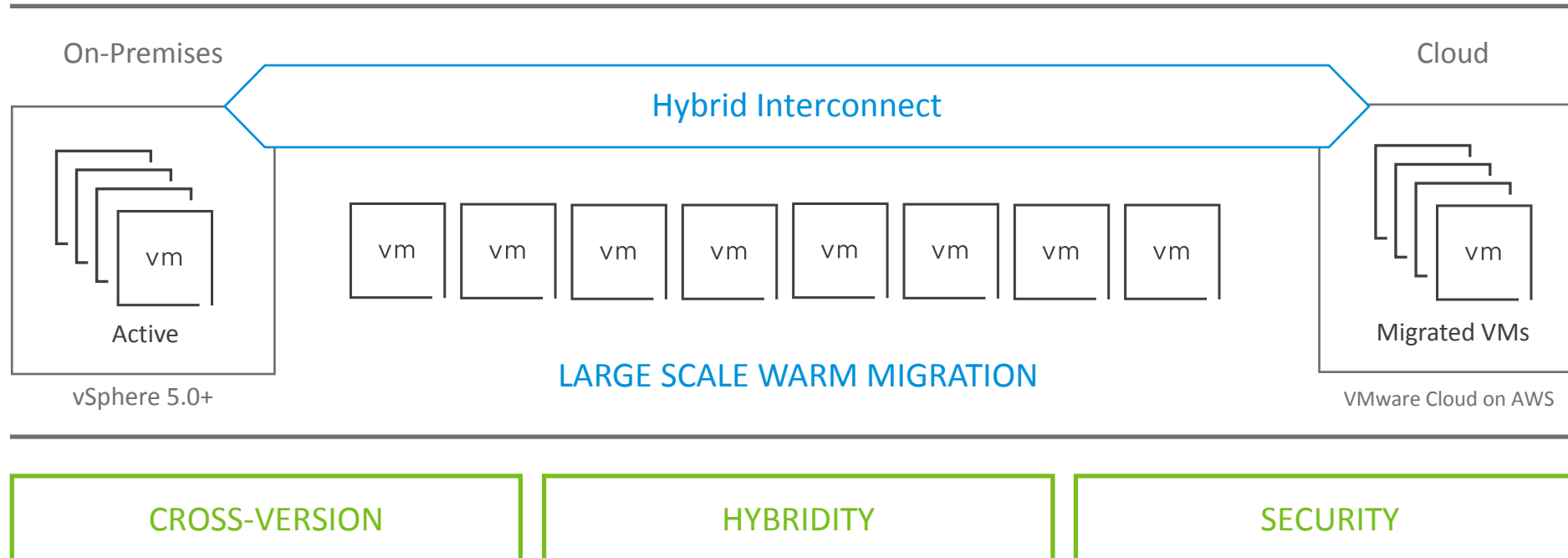


VMware HCX

Application mobility at scale, infrastructure hybridity, large scale migration



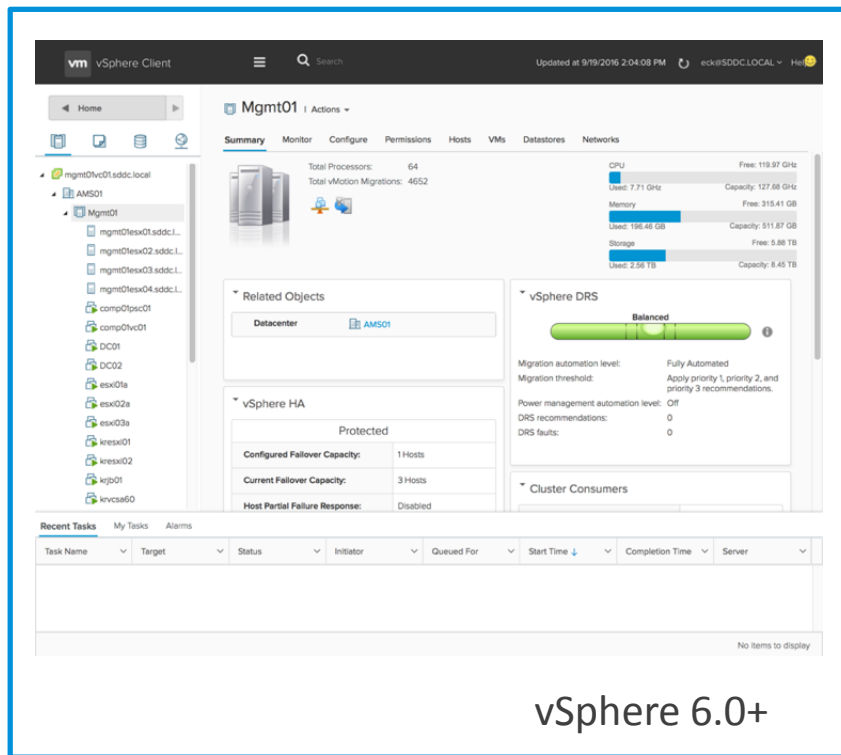
Any-to-Any vSphere Migration



Consistent operations between both environments

100% of Fortune 500 companies use vCenter

Hybrid Linked Mode



vSphere 6.0+



vSphere
On-Premises



VMware
Cloud on AWS

Consistent operations:

Leverage familiar skills, tools and processes for both environments

Simplified administration:

Single pane of glass to manage on-premises and cloud infrastructure

Operational efficiency:

Extend optimized, tested, and proven processes to public cloud

Technology Partner Ecosystem



Cloud Migration



Cloud Management



Monitoring & Analytics



VMWare Ready – vSAN Certified



DevOps



Security



Storage, Disaster Recovery & Data Protection



Networking



Learn more about VMware Cloud on AWS

- Learn more about VMware Cloud on AWS on website: <http://vmware.com/go/vmc-aws>
- VMware Cloud on AWS Overview Video: <http://vmwa.re/vmc-overview>
- VMware Cloud on AWS Solution Brief: <http://vmwa.re/vmc-solbrief>
- VMware Cloud on AWS TCO Brief: <http://vmwa.re/vmc-tco>
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