VMware Cross-Cloud Services for All Apps

VMware Cross-Cloud™ Services

App Platform · Cloud Infrastructure · Cloud Management · Security & Networking · Anywhere Workspace & Edge

PRIVATE CLOUD · aws · EDGE · SOVEREIGN CLOUDS · TELCO CLOUDS

VMware Cross-Cloud Services for All Apps
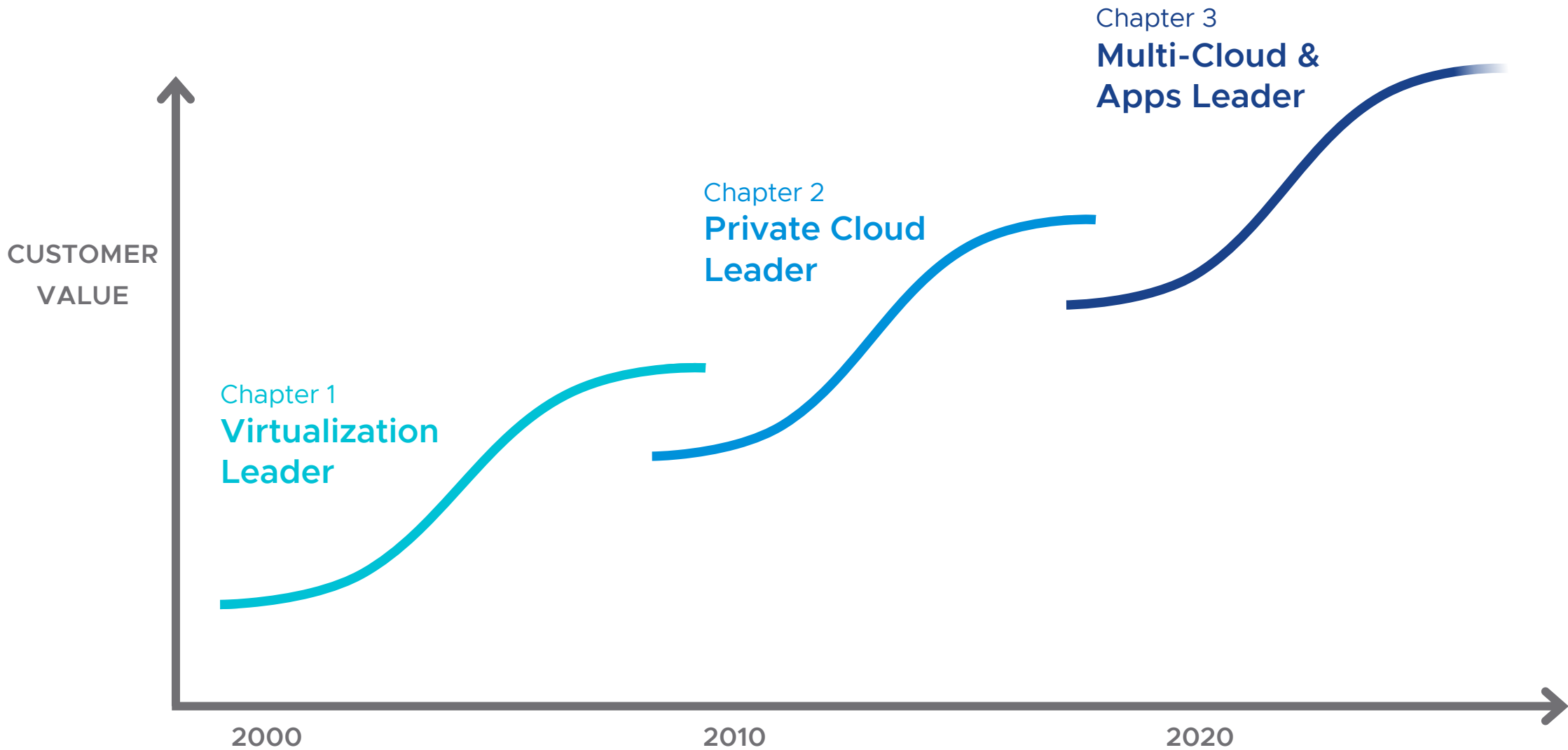
VMware Cross-Cloud™ Services

App Platform
VMware Tanzu

Cloud Infrastructure
VMware Cloud

Cloud Management
VMware vRealize Cloud

Security & Networking
VMware Carbon Black Cloud + NSX Cloud

Anywhere Workspace & Edge
VMware Workspace ONE + VMware Edge

PRIVATE CLOUD

aws

EDGE

SOVEREIGN CLOUDS

TELCO CLOUDS

Freedom **AND** Control in Your Multi-Cloud Business

The Next Chapter for VMware

CUSTOMER VALUE

Chapter 1
Virtualization Leader

Chapter 2
Private Cloud Leader

Chapter 3
Multi-Cloud & Apps Leader

2000   2010   2020
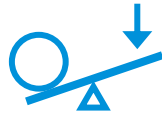
Challenges of Implementing a Hybrid Cloud Strategy
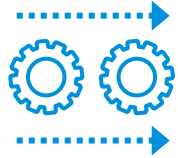
Operational
Inconsistencies

Different
Skillsets & Tools

Disparate Management
Tools & Security Controls

Inconsistent
Application SLAs

Incompatible
Machine Formats

Decreased Agility

7.4 years to refactor and migrate 100 applications to the cloud[1]

Higher Risks

90% reported skills shortages in cloud-related disciplines[2]

Higher Costs

Due to rework resulting from refactoring and revalidations

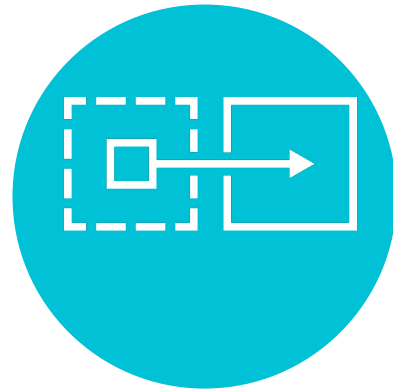A hybrid cloud with consistent infrastructure and operations overcomes these challenges

VMware Cloud on AWS

Delivering proven enterprise capabilities on the world's most popular public cloud
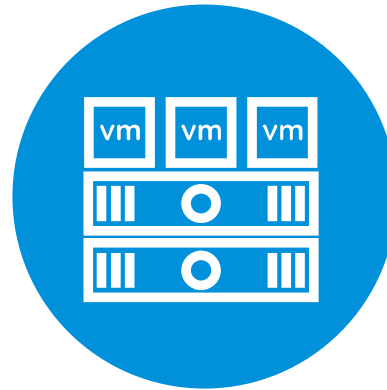
As-a-Service

Rich VMware SDDC delivered as a cloud service on AWS

Seamless migration

Fast, cost effective and low risk migration to the cloud
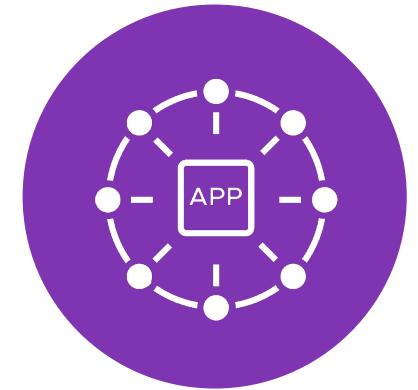
Consistent

Consistency and familiarity of VMware technologies

Portable

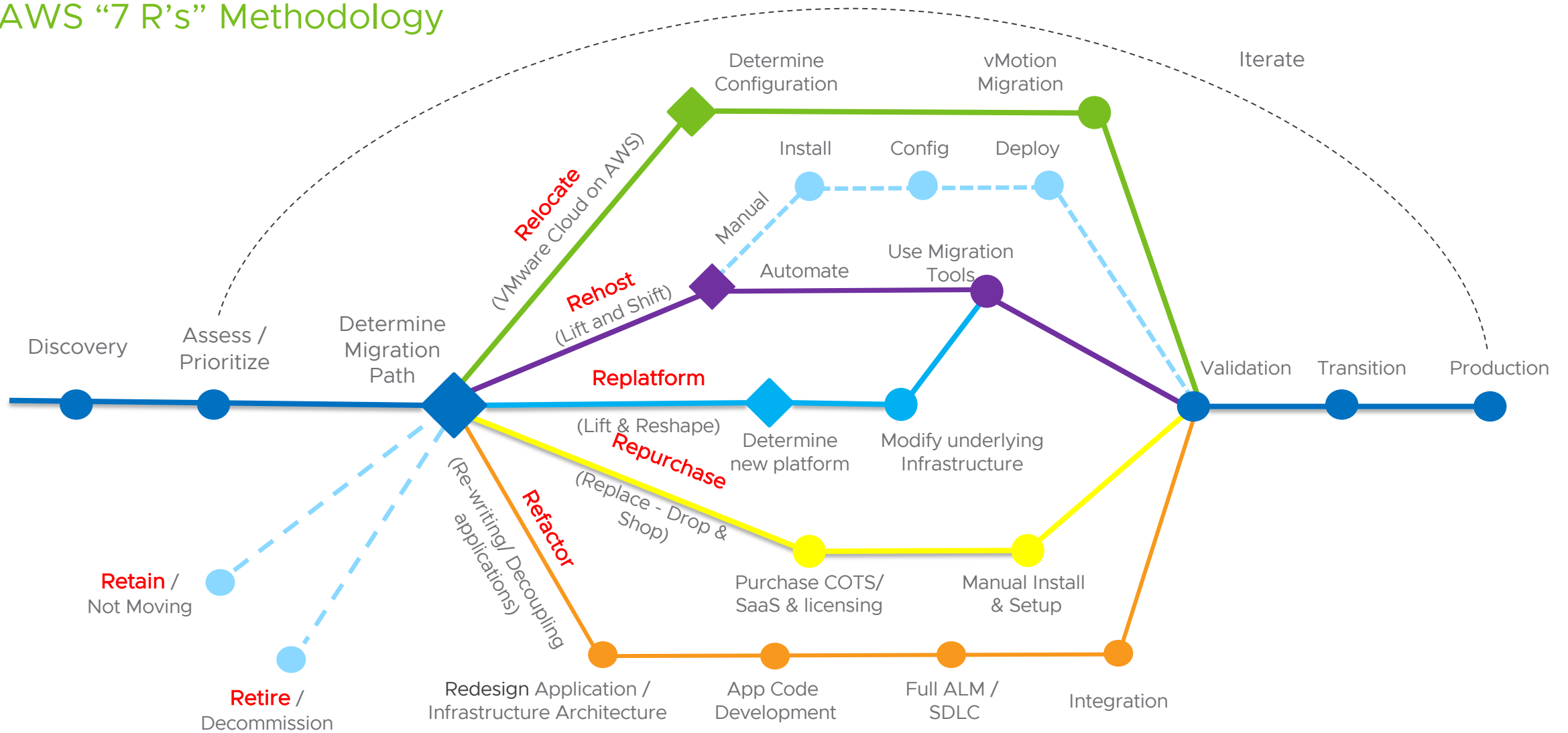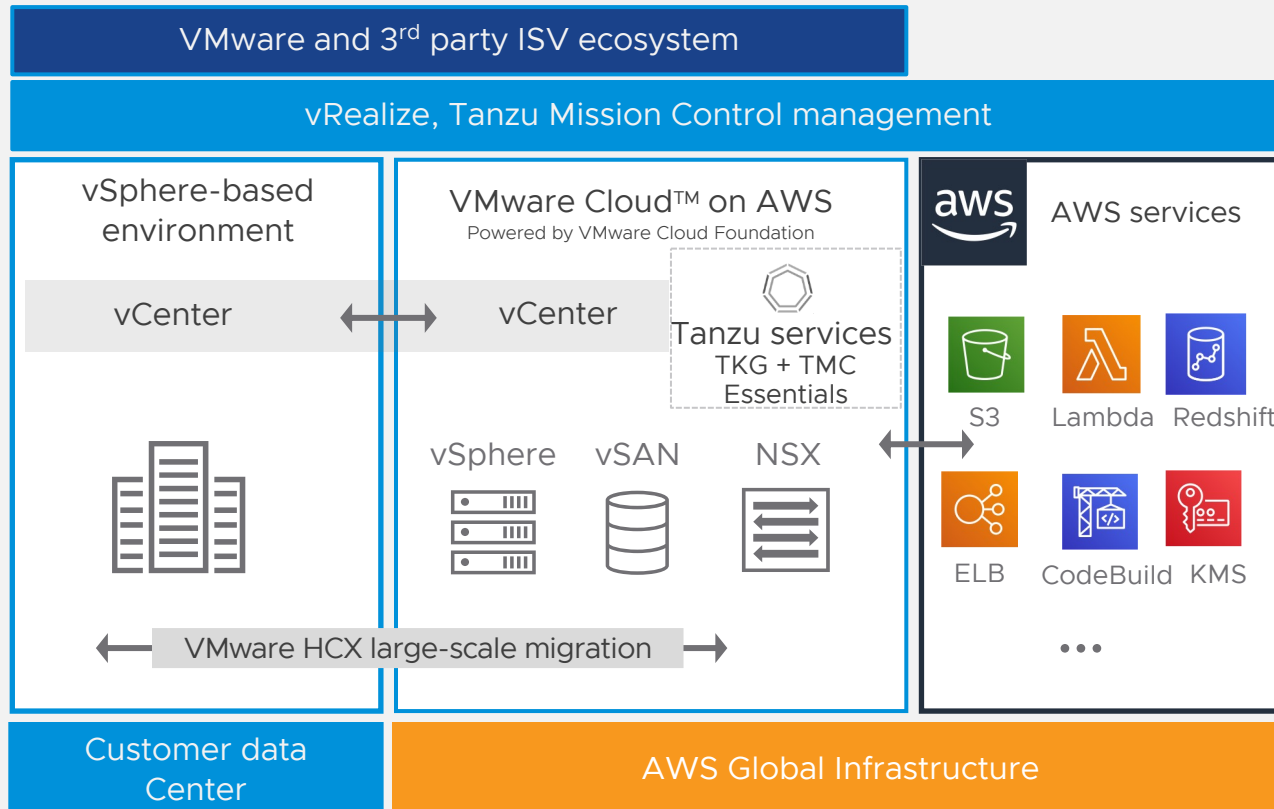Easy workload portability and hybrid capabilities

Modern apps

Kubernetes, containers, virtual machines support and access to AWS services

Application Migration Strategies
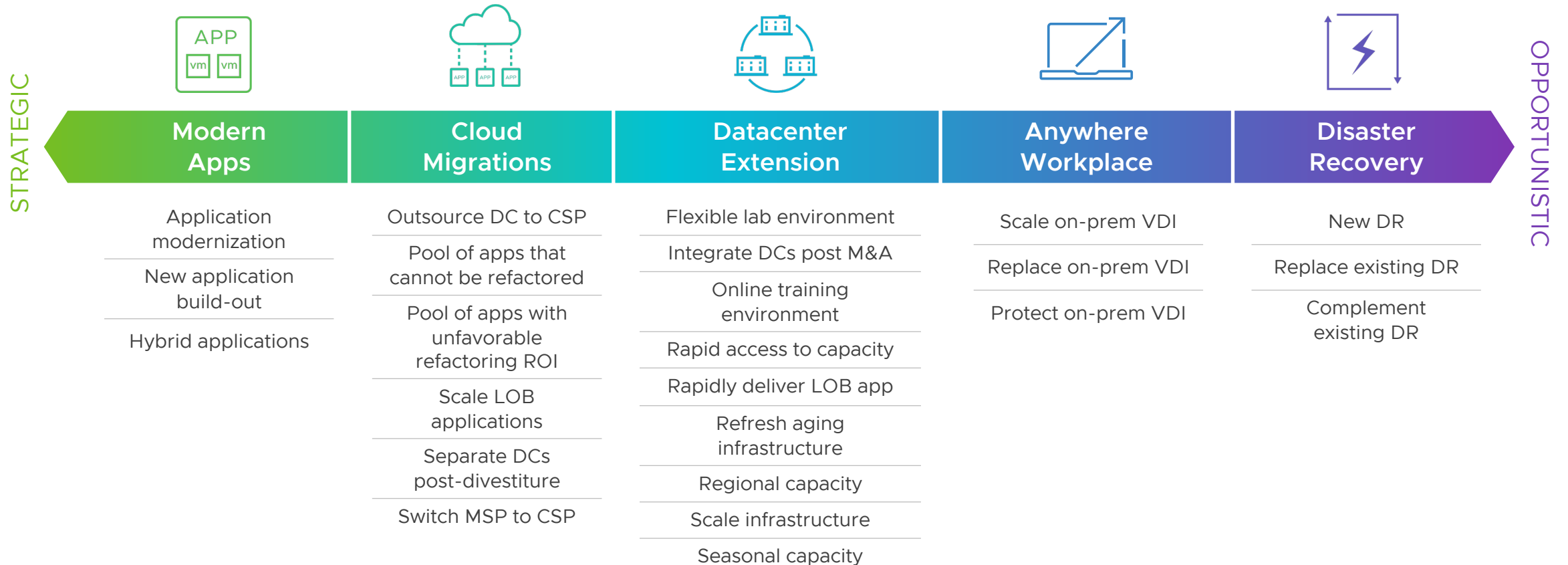## AWS "7 R's" Methodology

VMware Cloud on AWS: Jointly Engineered Cloud Service

VMware and 3rd party ISV ecosystem

vRealize, Tanzu Mission Control management

vSphere-based environment

vCenter

VMware Cloud™ on AWS
Powered by VMware Cloud Foundation

vCenter

Tanzu services
TKG + TMC
Essentials

vSphere   vSAN   NSX

VMware HCX large-scale migration

aws AWS services

S3   Lambda   Redshift

ELB   CodeBuild   KMS

Customer data Center

AWS Global Infrastructure

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

Wide Range of Use Cases

Aligning intended use to long term cloud strategy

Modern Apps	Cloud Migrations	Datacenter Extension	Anywhere Workplace	Disaster Recovery
Application modernization	Outsource DC to CSP	Flexible lab environment	Scale on-prem VDI	New DR
New application build-out	Pool of apps that cannot be refactored	Integrate DCs post M&A	Replace on-prem VDI	Replace existing DR
Hybrid applications	Pool of apps with unfavorable refactoring ROI	Online training environment	Protect on-prem VDI	Complement existing DR
	Scale LOB applications	Rapid access to capacity		
	Separate DCs post-divestiture	Rapidly deliver LOB app		
	Switch MSP to CSP	Refresh aging infrastructure		
		Regional capacity		
		Scale infrastructure		
		Seasonal capacity		

vmware®

VMware Cloud on AWS Popular Use-cases

Aligning intended use to long term cloud strategy

Next-generation Apps	Cloud Migrations	Datacenter Extension	Virtual Desktops	Disaster Recovery
Application modernization	Application-specific BCA | Virtual Desktops	Footprint expansion / On-demand capacity	Desktop bursting	New DR
New application build-out	Data center wide	Virtual Desktops / Published Apps	Disaster protection	Replace existing DR
Hybrid applications	Infrastructure refresh	Test/Dev	Desktops as a Service	Complement existing DR
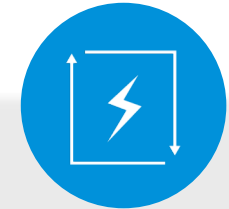
Introducing the newest member of the
VMware Cloud family of services...
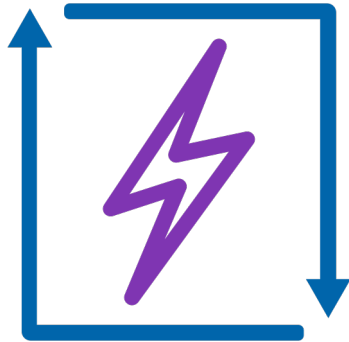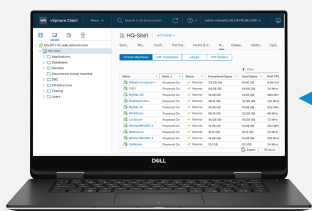
VMware Cloud Disaster Recovery

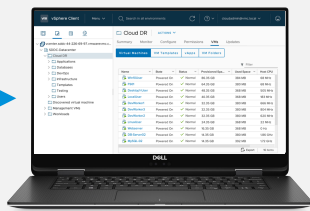# VMware Cloud Disaster Recovery is very easy to use

Operationally Consistent

Same networking, same tools, same runbooks, no workload format conversion
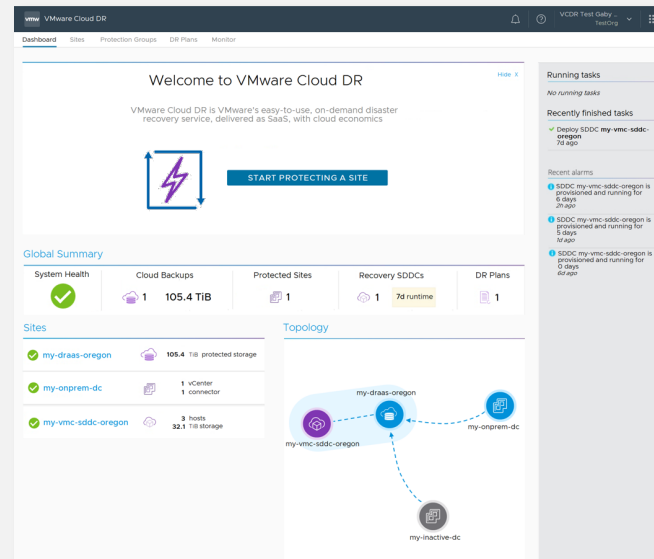
Normal State (Production Site)   **DR State (Recovery Site)**

Simple SaaS Experience

Deploy, protect & recover with a few clicks in a modern UI integrated into VMware Cloud
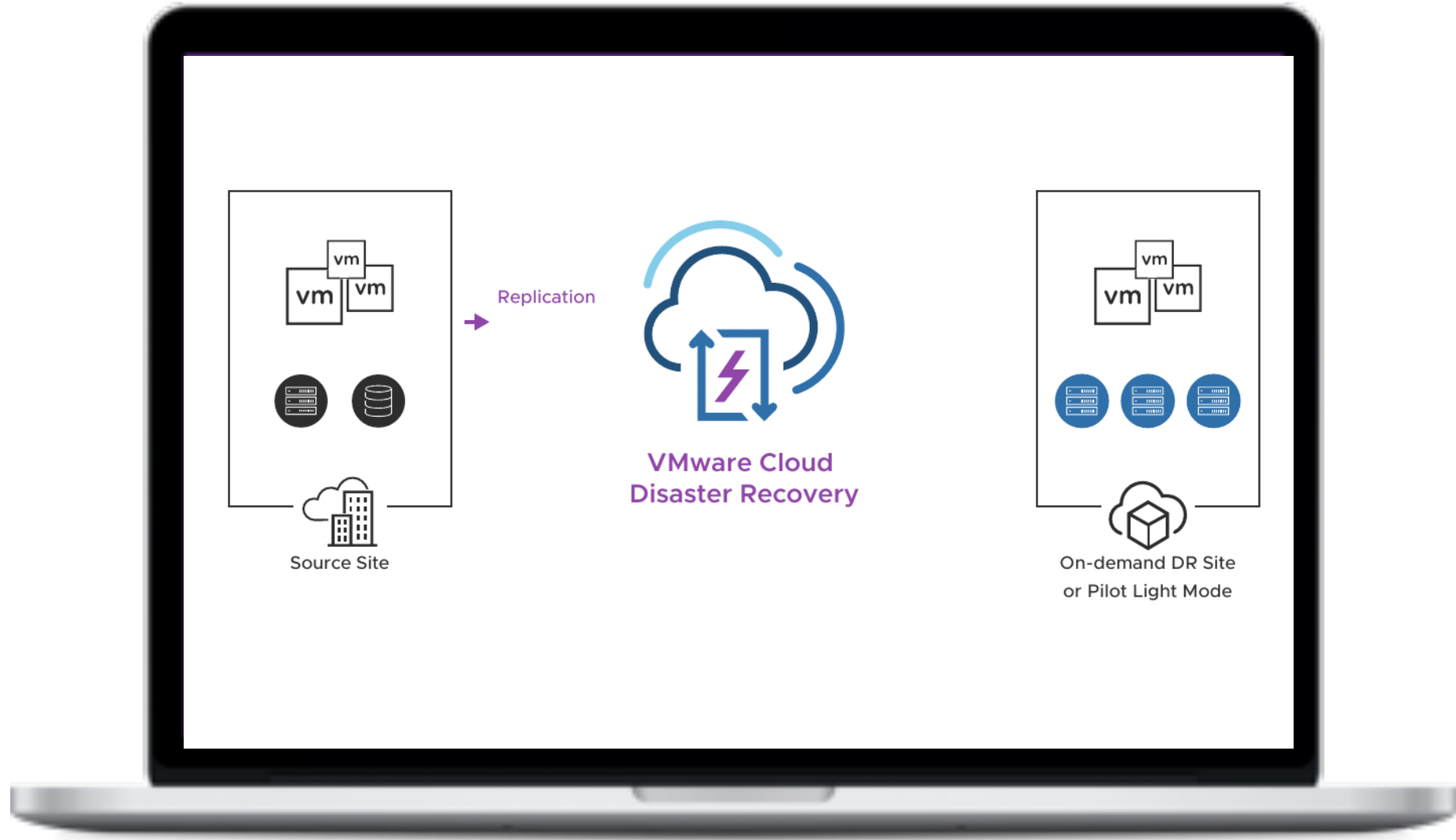

Zero-Touch Day-2 Operations

Automatic over-the-air upgrades of connector appliance in protected site

Automatic, seamless cloud service upgrades

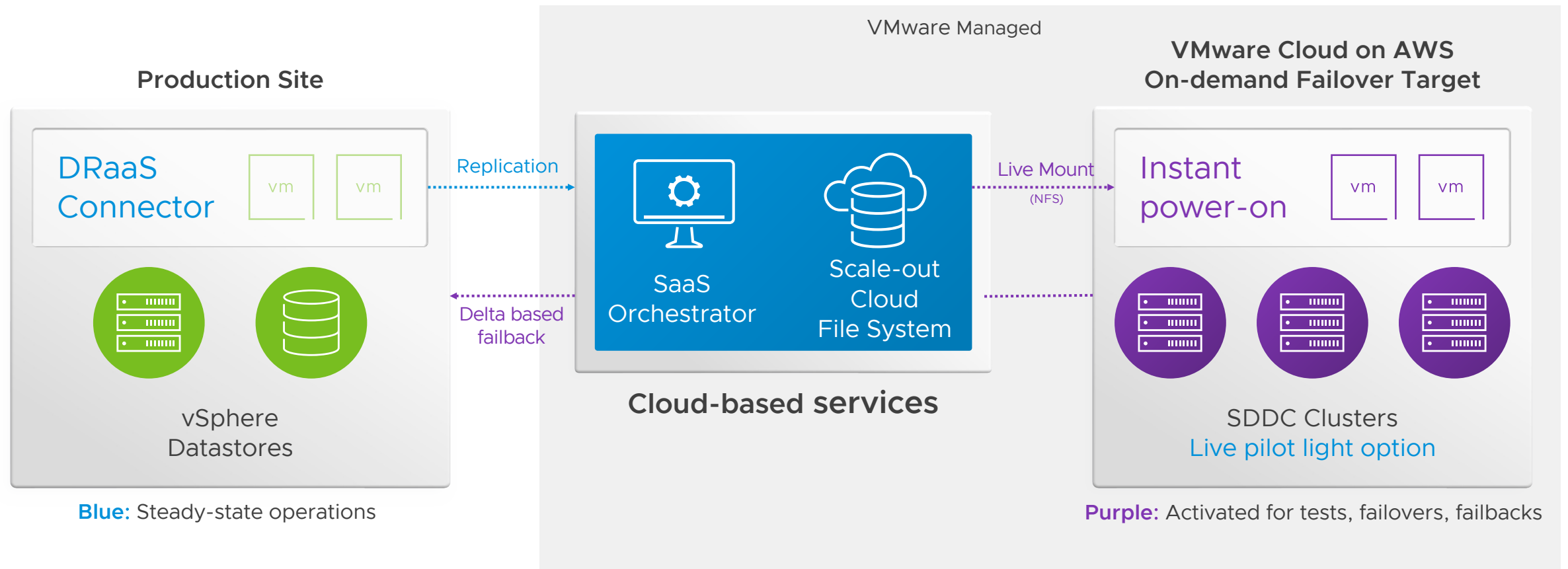Self-healing cloud components

VMware Disaster Recovery in Action

VMware Cloud Disaster Recovery: On-Demand DRaaS

On-demand DR, delivered as an easy-to-use SaaS solution, with cloud economics

VMware Managed

Production Site

**VMware Cloud on AWS
On-demand Failover Target**

DRaaS
Connector

| vm | vm |

Replication ┈┈►

SaaS
Orchestrator

Scale-out
Cloud
File System

Live Mount
(NFS) ┈┈►

Instant
power-on

| vm | vm |

◄┈┈ Delta based
failback

vSphere
Datastores

Cloud-based services

SDDC Clusters
Live pilot light option

Blue: Steady-state operations

Purple: Activated for tests, failovers, failbacks

THANK YOU