VMware ile Bulut Geçiş Stratejileri

Burak VARDAR
Lead Solution Engineer

Application needs are driving cloud strategies and directions

Cloud strategies must match the needs of each application

Existing Apps	Modern Apps
Reduce Costs | Security | Reliability | Control	Time to market | Innovation | Scale | Differentiation

Maintain

Keep app as is in existing environment

Replatform

Keep app as is, move to new environment

Hybrid Apps

Shift portions of multi-tier app to public cloud

Refactor

Modify app, new environment, on-prem or in the cloud

Develop for Cloud

New cloud native app deployed on-prem & IaaS

Replace

Move to SaaS version of packaged app

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Accelerate Your
Cloud Journey

Hybrid Cloud

Multi-Cloud

Modern
Applications

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VMware Cloud

The complete portfolio for the Multi-Cloud Journey

Existing Apps
Cost Management • Security • Reliability • Control

vmware Pivotal Container Service

Modern Apps
Time to market • Innovation • Scale • Differentiation

Multi-Cloud Operations

CloudHealth • VMware Cloud Automation

VISIBILITY | OPERATIONS | AUTOMATION | SECURITY | GOVERNANCE | CONTAINER MANAGEMENT

VM VIRTUAL MACHINES | CONTAINERS | KUBERNETES

Hybrid Cloud | **Native Cloud**

vmware Cloud Foundation™ | **aws** VMware Cloud on AWS | **vmware** CLOUD VERIFIED | IBM **Cloud** for VMware | Project Dimension | **aws** | Microsoft Azure | Google Cloud

D&LLTechnologies/**Forum**

VMware Cloud

The complete portfolio for the Multi-Cloud Journey

Consistent Developer Experience

Existing Apps
Cost Management • Security • Reliability • Control

Modern Apps
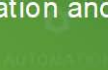Time to market • Innovation • Scale • Differentiation

Multi-Cloud Operations

Cloud Health

VISIBILITY OPERATIONS AUTOMATION SECURITY

Consistent Operations
Automation and Operations • Across Clouds

VIRTUAL MACHINES CONTAINERS KUBERNETES

Hybrid Cloud

Native Cloud

Consistent Infrastructure
VM Infrastructure • Container Infrastructure

vmware
Cloud Foundation

aws

vmware
CLOUD

IBM Cloud

aws

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Hybrid Cloud Architecture Complexity

Private Cloud

Public Cloud

Edge

Disparate Management Tools & Security Controls

Inconsistent Application SLAs

Operational Inconsistencies

Diverse and incompatible Skillsets & Tools

Incompatible Machine Formats

DELLTechnologies/Forum
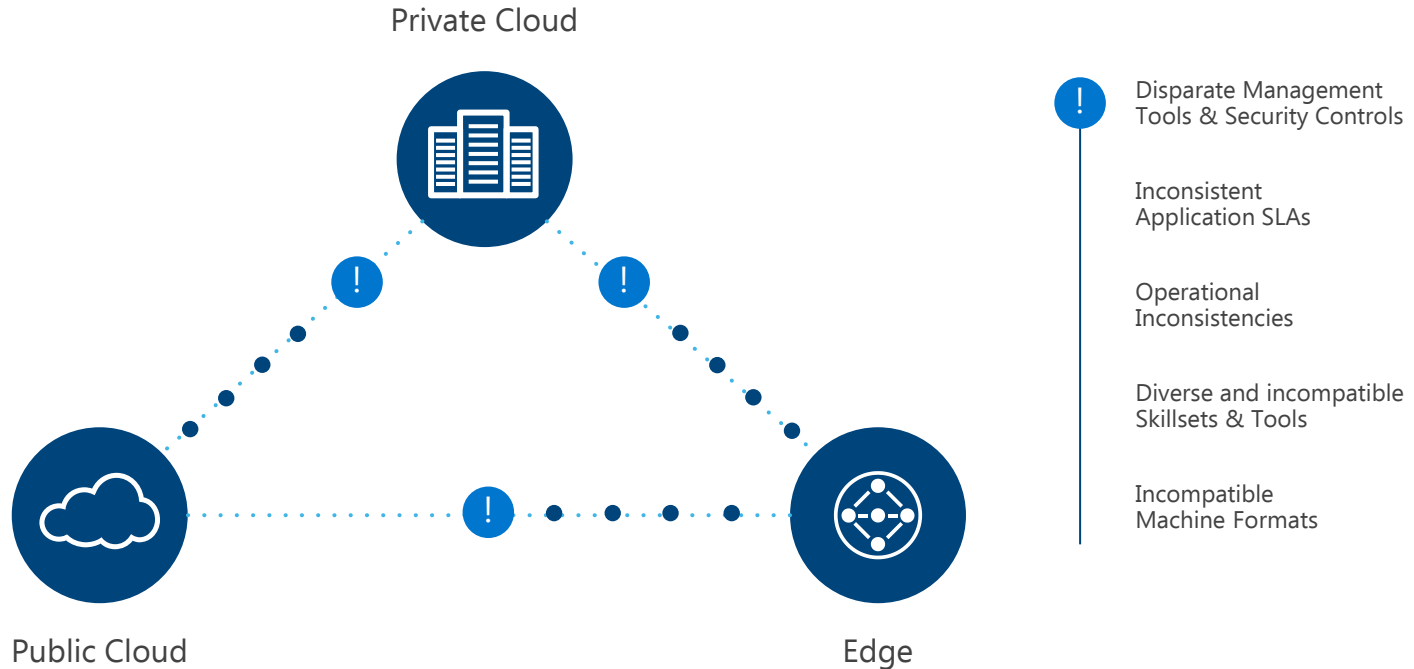
Hybrid Cloud

Built on the world's most proven cloud infrastructure
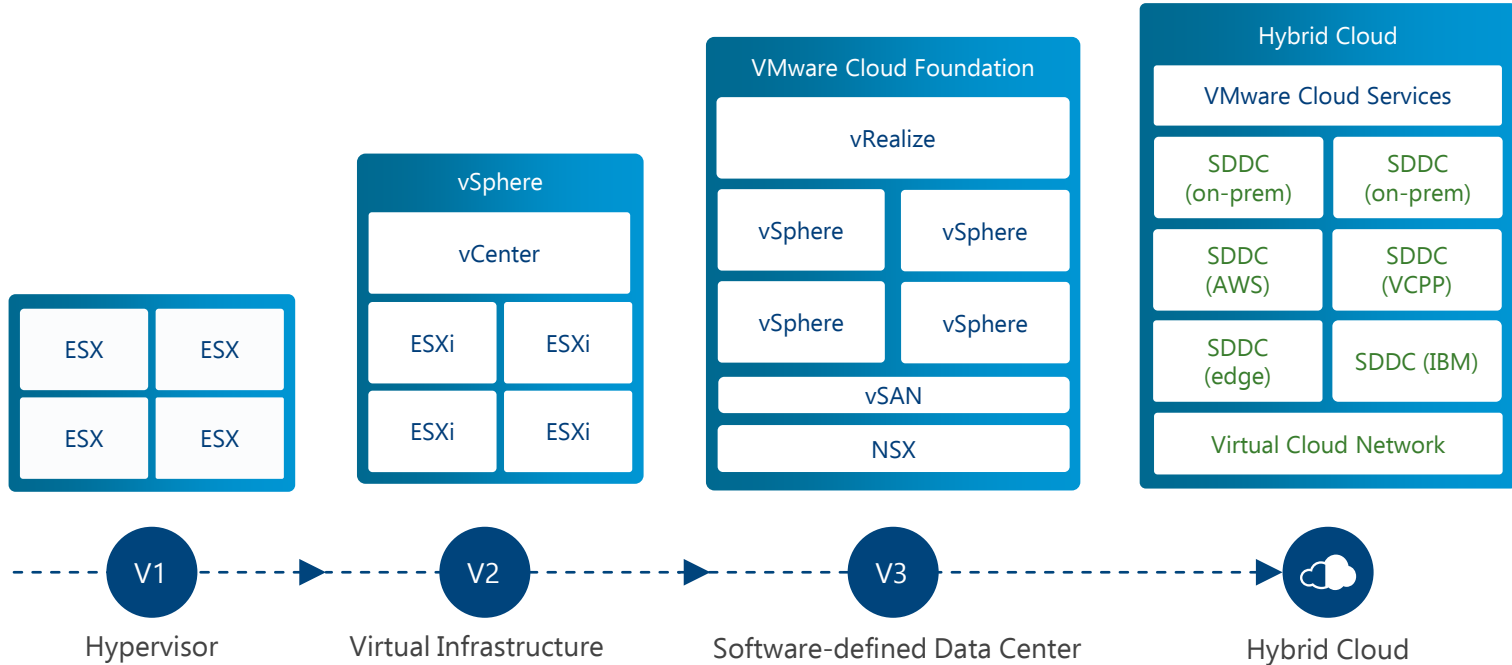
Private Cloud

Public Cloud

Edge

Consistent Infrastructure
VMs and Containers
Built on VMware Cloud Foundation

Consistent Operations
Management and Automation
Across clouds

DELLTechnologies/**Forum**
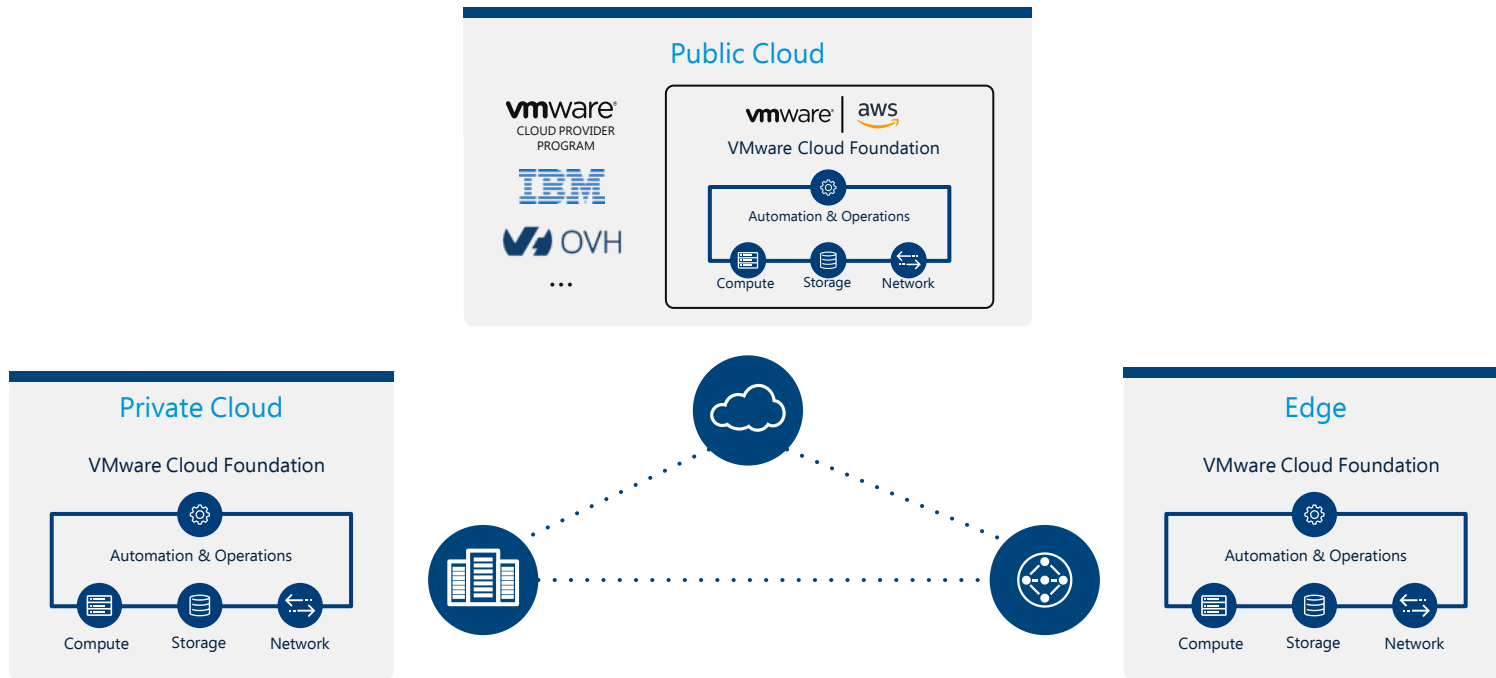
Abstracting Away Complexity
Building on proven model from data center to cloud

Hybrid Cloud

VMware Cloud Services

SDDC (on-prem)	SDDC (on-prem)
SDDC (AWS)	SDDC (VCPP)
SDDC (edge)	SDDC (IBM)

Virtual Cloud Network

VMware Cloud Foundation

vRealize

| vSphere | vSphere |
| vSphere | vSphere |

vSAN

NSX

vSphere

vCenter

| ESXi | ESXi |
| ESXi | ESXi |

| ESX | ESX |
| ESX | ESX |

V1 → V2 → V3 → (cloud)

Hypervisor   Virtual Infrastructure   Software-defined Data Center   Hybrid Cloud

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The VMware Hybrid Cloud
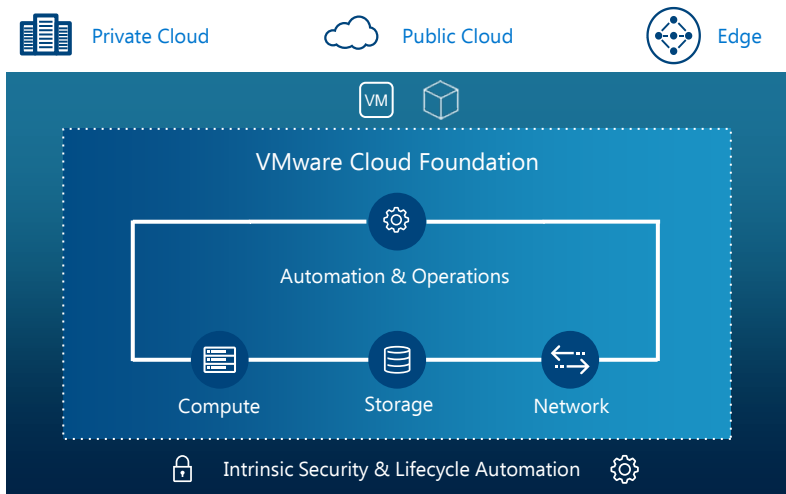## Consistent Infrastructure and Operations

Flexibility of Clouds ——— Extend Teams ——— Extend Processes ——— Extend Tools

Public Cloud

vmware®
CLOUD PROVIDER PROGRAM

IBM

V OVH

...

vmware® | aws
VMware Cloud Foundation

Automation & Operations

Compute Storage Network

Private Cloud

VMware Cloud Foundation

Automation & Operations

Compute Storage Network

Edge

VMware Cloud Foundation

Automation & Operations

Compute Storage Network

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VMware Cloud Foundation

Accelerate the path to the Hybrid Cloud

Private Cloud

Public Cloud

Edge

VMware Cloud Foundation

Automation & Operations

Compute

Storage

Network

Intrinsic Security & Lifecycle Automation

Complete, integrated hybrid cloud platform

- Consistent infrastructure spanning datacenter, cloud, edge
- Consistent operations across clouds

Built on the world's most trusted cloud infrastructure

- Powering the world's most demanding applications
- Core infrastructure for VMware Cloud on AWS
- Delivered as a service from more than 20 Cloud Verified Providers worldwide

Fastest path to the cloud with minimal cost, complexity

- Rapid app migration with minimize cost and effort
- Scale on demand for DR, seasonal, regional use
- Drive next generation app initiatives

Brought Together by SDDC Manager

Automated day 0 to day 2 operations of the entire cloud infrastructure
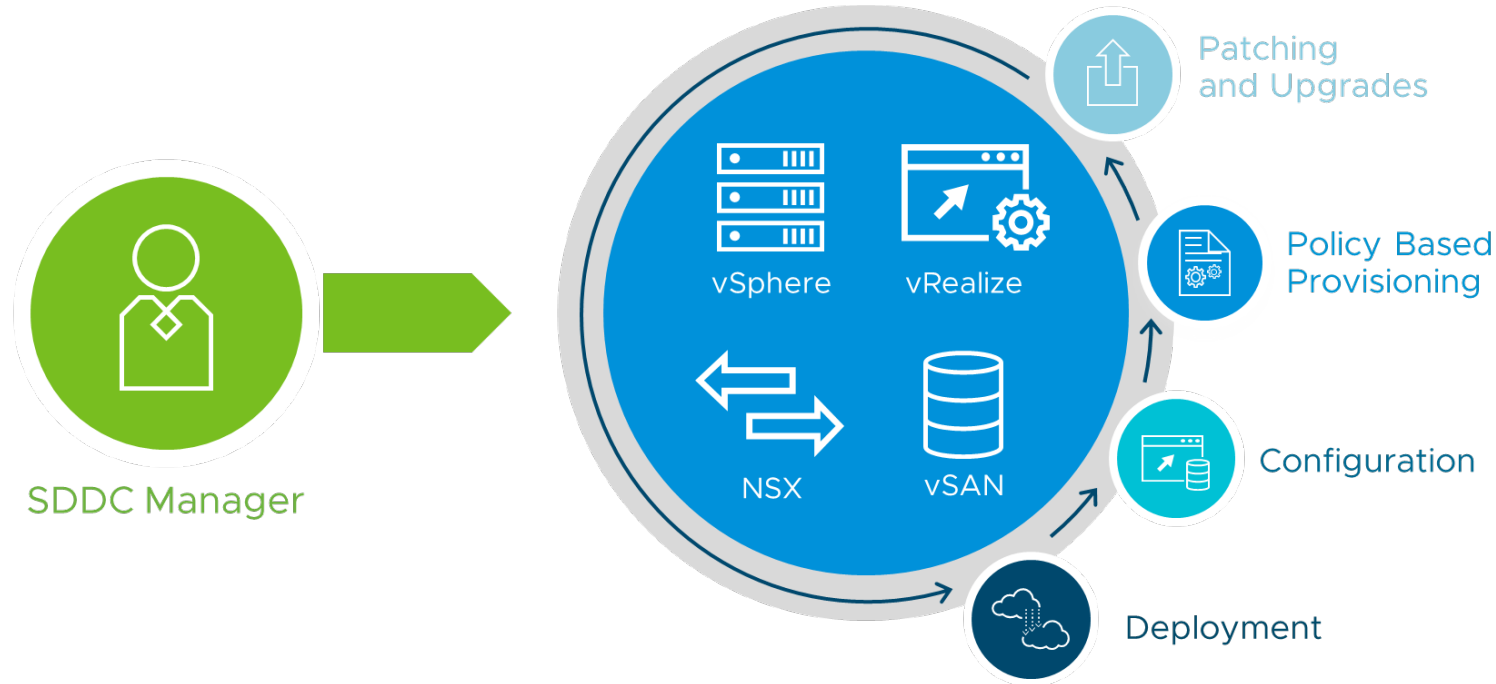
*Automated patching and upgrading not yet supported on vRealize Automation, Operations, and Log Insight

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Flexibility and Consistency
Support for the Broadest Range of Operating Models

Dedicated Cloud Infrastructure

Purpose-built compute, networking, and storage systems to support unique on-premises needs

Hyper-Converged Infrastructure

Optimized for hyper-converged solutions such as Dell VxRail

Managed As-a-Service

Deliver the full VMware SDDC as-a-Service on-premises and the edge

Cloud Service

Access VMware Cloud Foundation through AWS, IBM Cloud, and VMware Cloud Provider Partners globally

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VMware Cloud Foundation on VxRail

Software & Hardware Lifecycle Management

- A co-engineered solution from Dell-EMC

- Easiest path to deploy a full VMware Software Defined Datacenter (SDDC)

- Enables comprehensive lifecycle management (LCM) for both Hardware and Software components.

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Cloud Foundation on VxRail

Full stack integration delivers one, complete, seamless user experience

Full stack integration

Full stack lifecycle management built in

Simplest path to hybrid cloud

Consistent infrastructure and consistent operations

Future-proof for next gen VMware cloud tech

Based on VMware SDDC best practices
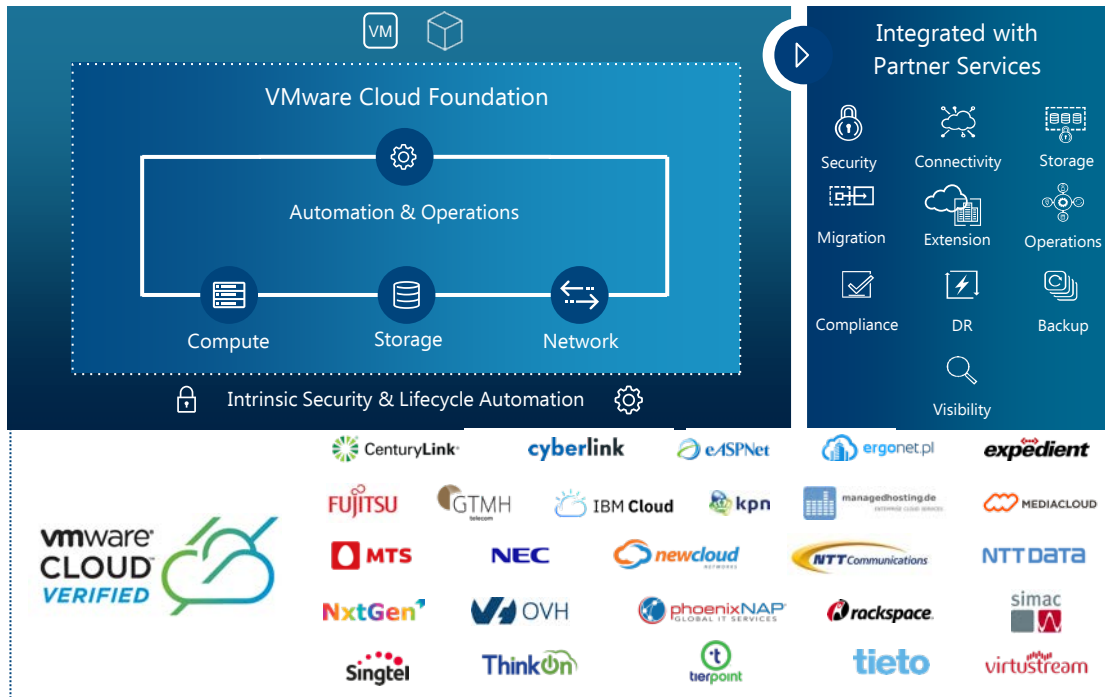
VMware Cloud Provider Partners

Private Cloud **Public Cloud** **Edge**

VMware Cloud Foundation

VM

Automation & Operations

Compute Storage Network

Intrinsic Security & Lifecycle Automation

Integrated with Partner Services

Security Connectivity Storage

Migration Extension Operations

Compliance DR Backup

Visibility

vmware CLOUD VERIFIED

CenturyLink cyberlink eASPNet ergonet.pl expedient

FUJITSU GTMH telecom IBM Cloud kpn managedhosting.de MEDIACLOUD

MTS NEC newcloud NTT Communications NTT Data

NxtGen' OVH phoenixNAP GLOBAL IT SERVICES rackspace simac

Singtel ThinkOn tierpoint tieto virtustream

vmware®

CLOUD PROVIDER™ PROGRAM

Choose from over 4,200 cloud providers operating in 120+ countries
- Broadly deployed globally for performance, data sovereignty

Enabling core customer use cases
- Cloud migration, Scale on demand, next-generation apps

Leverage cloud provider expertise and unique services
- Industry-specific specialization
- Migration services

VMware Cloud on AWS

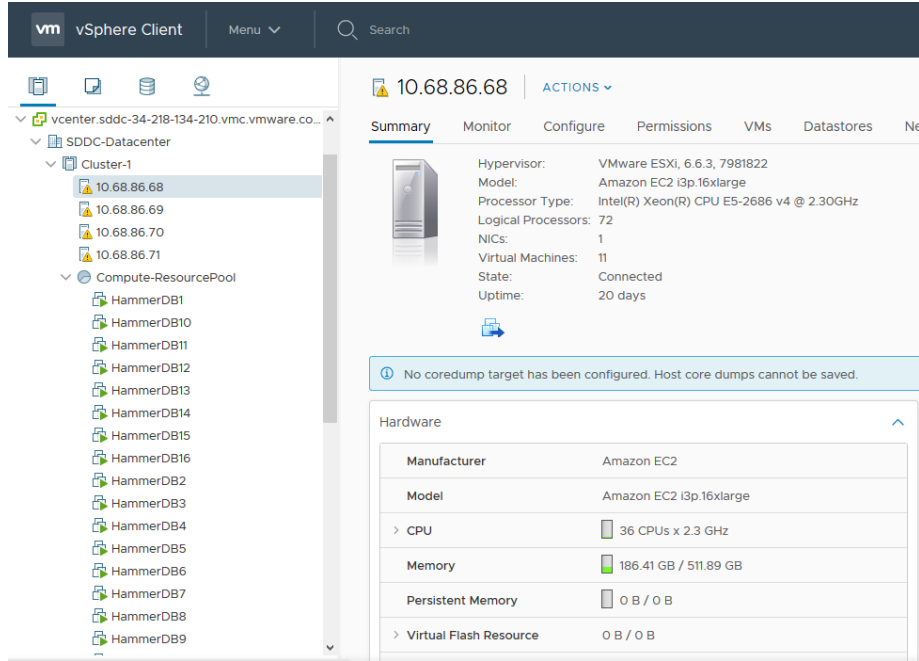Extend your VMware environment to the world-class AWS Cloud
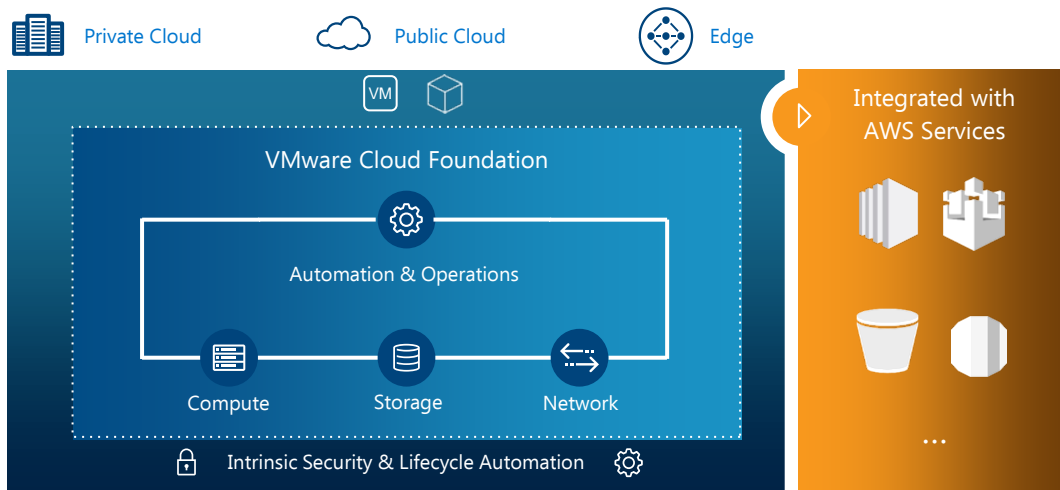
Rich VMware SDDC delivered as a cloud service on AWS

Consistency and workload portability across VMware environments

Direct access to the power of native AWS services
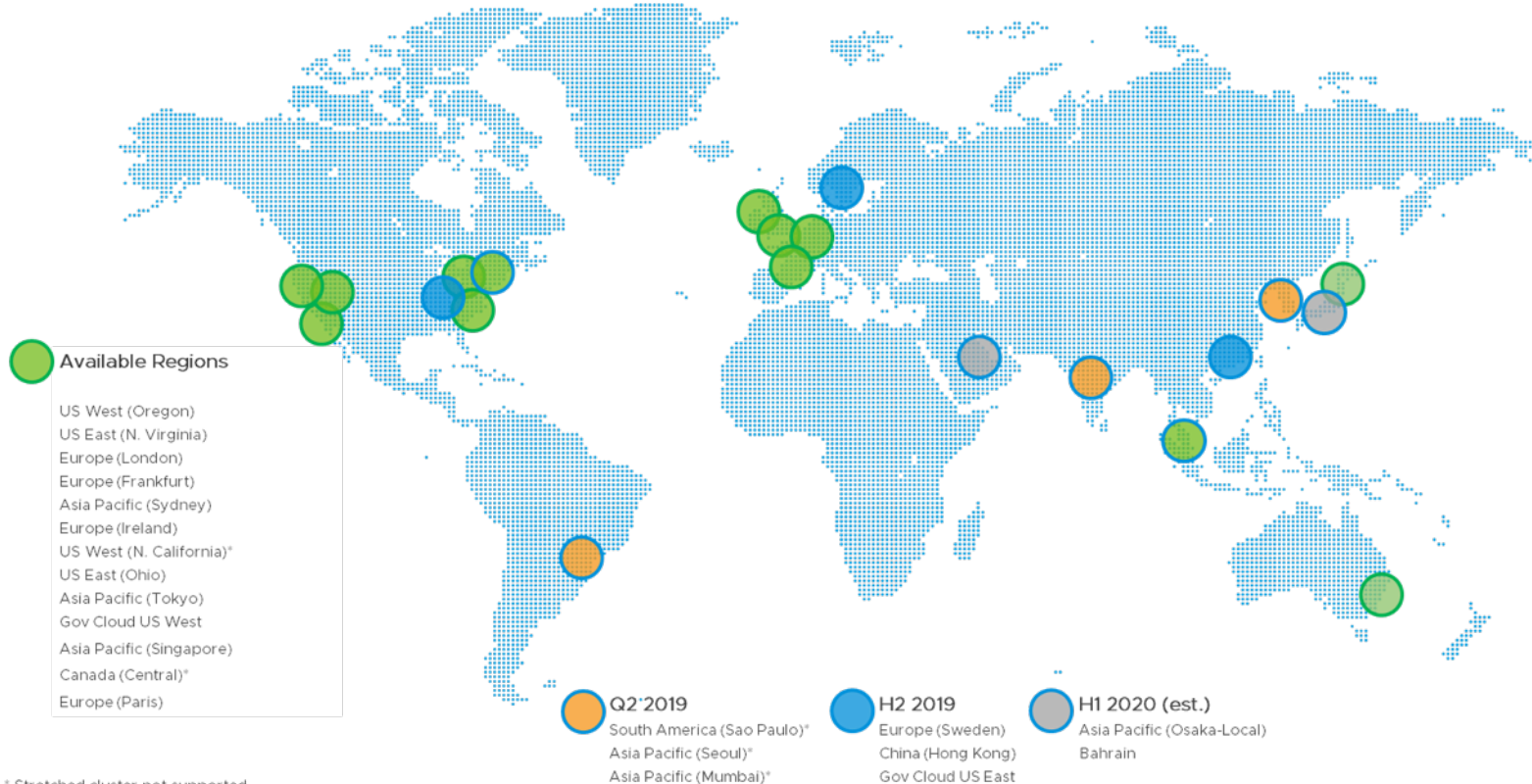
Create an SDDC with VMware Cloud on AWS

Consistent operations

https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws-operations/GUID-EF198D55-03E3-44D1-AC48-6E2ABA31FF02.html

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Simultaneously expand to multiple AWS Regions

Available Regions

US West (Oregon)
US East (N. Virginia)
Europe (London)
Europe (Frankfurt)
Asia Pacific (Sydney)
Europe (Ireland)
US West (N. California)*
US East (Ohio)
Asia Pacific (Tokyo)
Gov Cloud US West
Asia Pacific (Singapore)
Canada (Central)*
Europe (Paris)

* Stretched cluster not supported

Q2 2019
South America (Sao Paulo)*
Asia Pacific (Seoul)*
Asia Pacific (Mumbai)*

H2 2019
Europe (Sweden)
China (Hong Kong)
Gov Cloud US East

H1 2020 (est.)
Asia Pacific (Osaka-Local)
Bahrain

Last updated: May 14, 2019

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VMware Cloud on AWS

Innovating at cloud speed, with enterprise reliability

10
Global Regions

28
Available Zones

39 sec
Median Chat
Response Time

99.99%
SLA for Stretched
Clusters

1.5h
New SDDC
on Bare Metal

12 min
Average Time to
Add a Host

96%
Support
Satisfaction

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VMware Cloud on AWS - Don't Just Take Our Word For It

Real Customer Success Stories
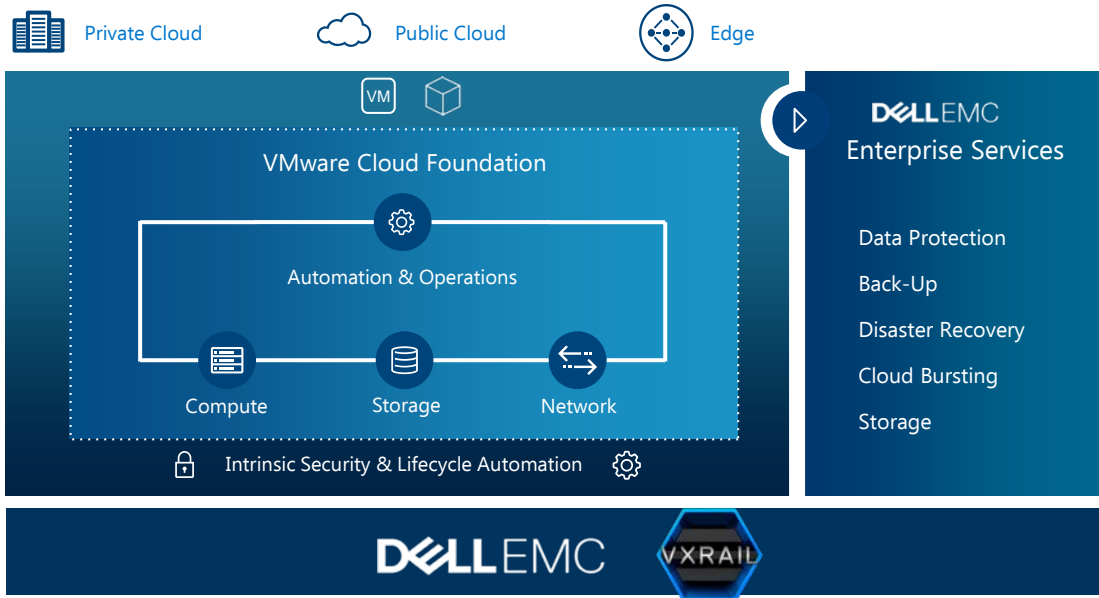

380 VMs and 30TB of storage migrated to the cloud in 20 days

650+ workloads migrated to the cloud in less than 5 days

Production application migrated to a VMware Cloud on AWS stretched cluster in less than 3 weeks

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VMware Cloud on Dell EMC

- Cloud infrastructure delivered as-a-service on-premises

- Co-engineered and delivered by Dell Technologies; ongoing service fully managed by VMware

- VMware SDDC including compute, storage and networking

- Built on VxRail – Dell EMC's enterprise-grade cloud platform

- Hybrid control plane to provision and monitor resources

- Monthly subscription model

VMware HCX

For DC Evacuation, Hardware Refresh, DC Extension, and BC/DR
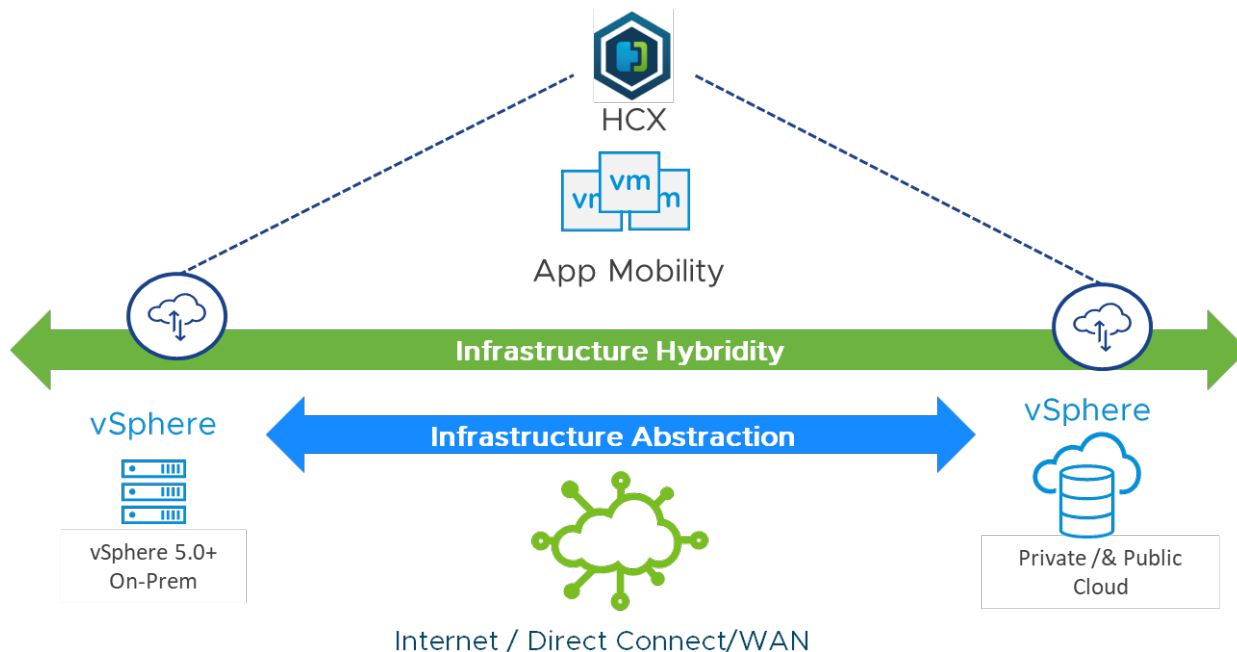
* included in the VMware Cloud Foundation Enterprise edition

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Getting Started with Hybrid Cloud

Evaluate existing infrastructure

Determine priorities for data center modernization, consolidation and migration

Assess applications for migration, modernization

Evaluate application portfolio to determine optimal environment based on priorities
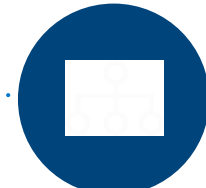
Align consumption and deployment models

Evaluate traditional implementations, OpEx models, "as a service" and cloud options

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Next Steps

Visit cloud.vmware.com to learn more.

VMware Cloud Foundation Hands on Lab.
Click here to begin

VMware Cloud on AWS Lightning Lab.
Click here to begin

VMware Cloud on Dell EMC Beta.
Click here to sign up.

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VCF içerisindeki hangi komponent full-stack yapının life-cycle sürecini orchestrate eder?

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