



RDW TECHDAY 2017  
Kennis delen en ontwikkelen

# VMware

# Cross Cloud & Multi Cloud

## Voorkom Vendor Lock-in

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”We at VMware help organizations with  
their digital transformation to be competitive  
in today’s fast changing market”

*Pat Gelsinger*  
*CEO VMware*

# 2017 Digital Transformation Agenda

## BUSINESS OUTCOMES

Business Agility  
and Innovation



Exceptional Mobile  
Experiences



Protection of Brand  
and Customer Trust

Modernize  
Data  
Centers

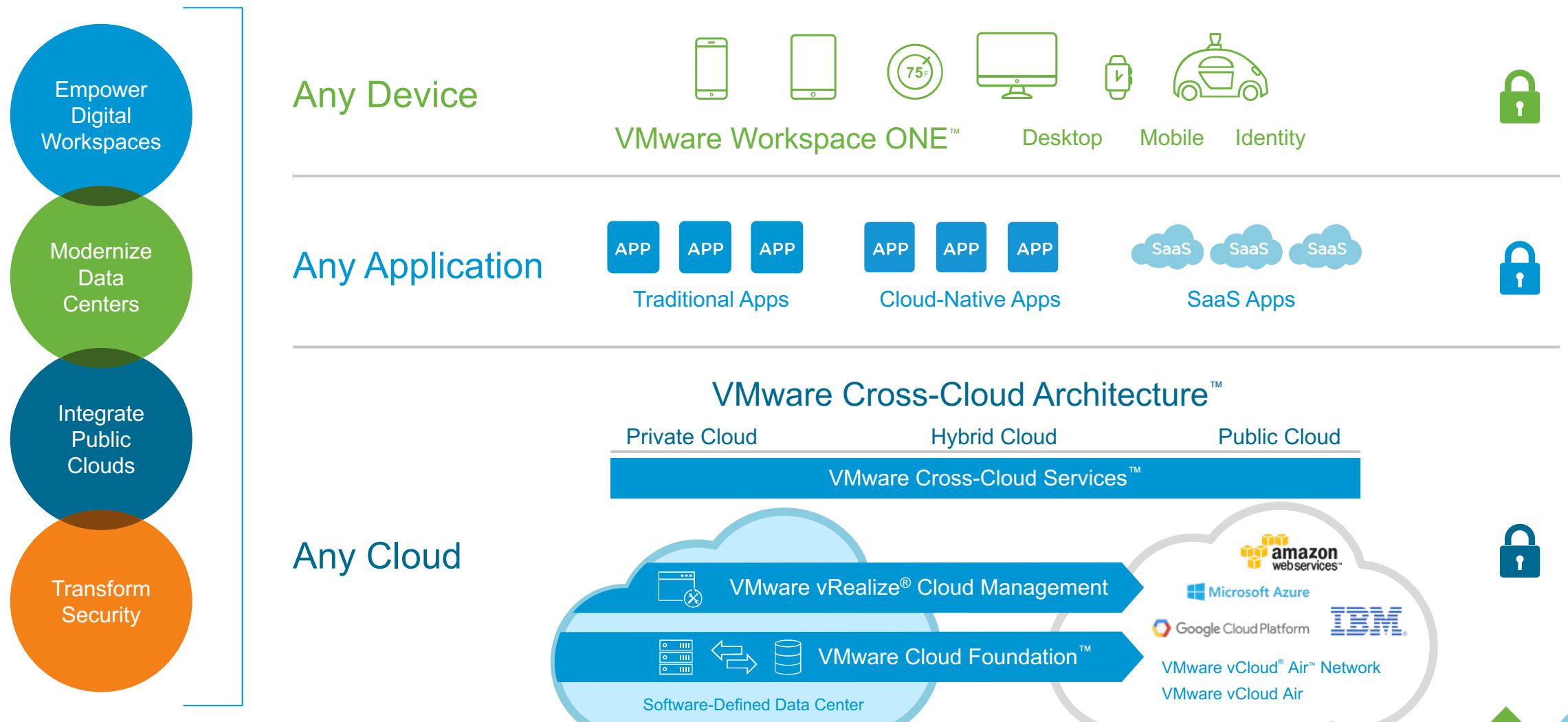
Integrate  
Public  
Clouds

Empower  
Digital  
Workspaces

Transform  
Security

## STRATEGIC IT PRIORITIES

# Enabled with VMware's Integrated Architecture



# Customers Prefer VMware



**of 62**  
IT Technology Brands  
in Net Promoter  
Scores



Source: Temkin August 2016 survey to 800 IT decision makers of North American companies with at least \$250 million annual revenue

The only lock-in we actively look for

Giving customer choice, control and freedom

Work with any cloud

Available across private and public clouds



**Cloud**



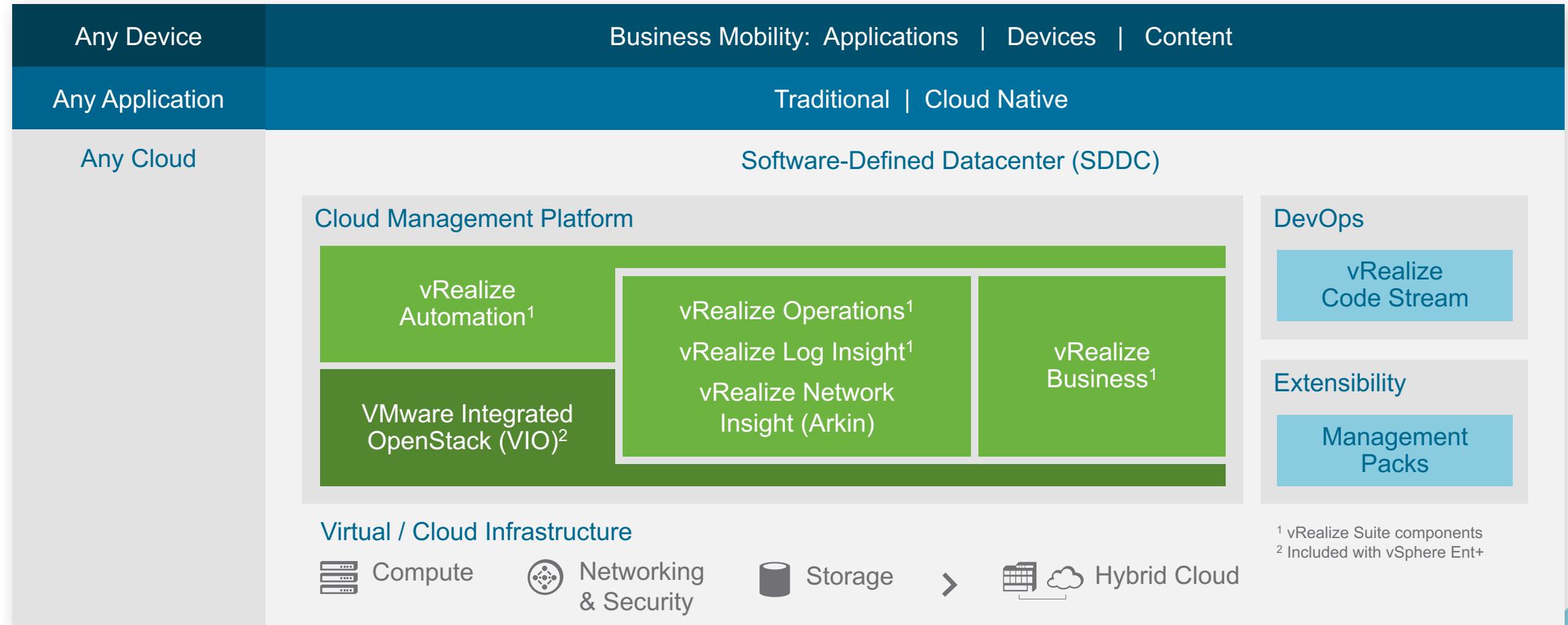
**Open  
Source**



**Containers**

# vRealize Suite: the Control Plane of the SDDC

Delivering the Enterprise-Ready Cloud Management Platform



# Support for Hybrid/Heterogeneous Cloud (Multi-Cloud)

## New Azure Endpoint

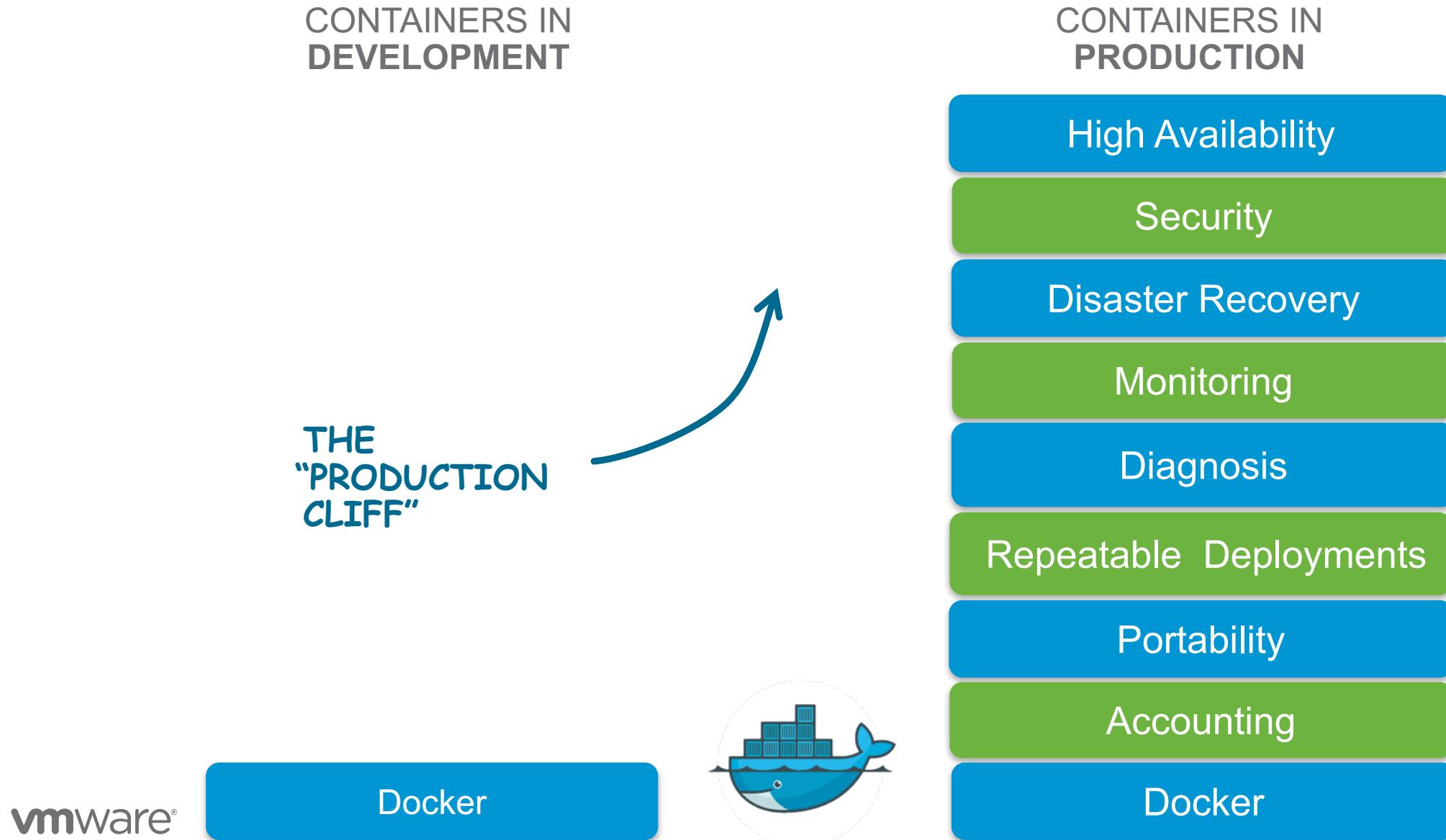
- Hybrid Cloud is in the future of most Enterprises
  - vRealize Suite supports multiple clouds
- Enterprise Class Extensibility
  - Additional endpoints
  - 3<sup>rd</sup> Party Solutions (ServiceNow, Puppet, Chef, BMC etc...)
  - XaaS Capability

- Amazon Machine
- Citrix Xen Machine
- Generic Cloud Endpoint Framework Machine
- Generic Physical Endpoint Framework Ma...
- Generic Virtual Endpoint Framework Mach...
- Generic Virtual Machine
- HyperV Machine
- KVM (RHEV) Machine
- OpenStack Machine
- SCVMM Machine
- vCloud Air Machine
- vCloud Director Machine
- vSphere Machine
- Azure Machine



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# Containers: from Developers to Production

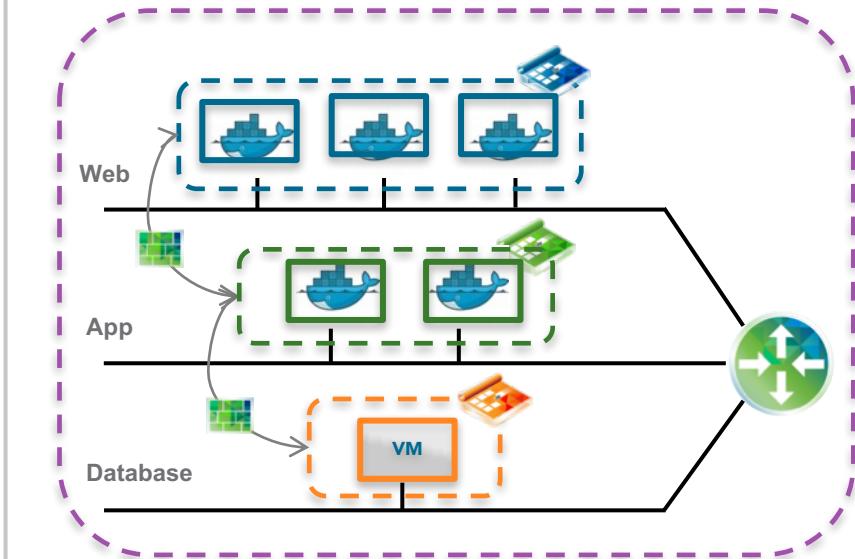
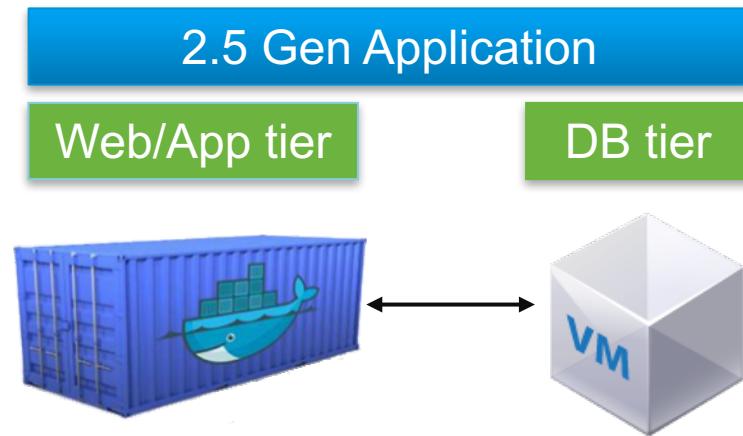


# Modernize Applications with Containers

Provision and Lifecycle Docker hosts (e.g. CoreOS, PhotonOS, vSphere Integrated Containers)

Build and Provision Hybrid Apps using Unified Blueprints

Enable App-Centric Networking and Security for Hybrid Apps



# Photon Platform

## Enterprise Cloud Infrastructure Platform

- Photon Platform is an **Enterprise Cloud Infrastructure Platform** which enables IT to **deliver on-demand tools and services** developers need to build and run modern applications while retaining **security, control and performance of the datacenter**.
- Purpose-built for cloud native applications with **natively-integrated enterprise container infrastructure support**, Photon Platform brings the **scale, performance and features** previously accessible only to hyper-scale web companies into customer's own datacenter.
- It leverages the industry leading **hypervisor, networking, and storage** technologies to bring the best-in-class performance, reliability and ease-of-use to cloud native workloads.
- CloudFoundry, Kubernetes, \*Mesos support

# What's New in VMware Integrated OpenStack 3.0

## Mitaka-Based

- VMware Integrated OpenStack 3.0 distribution is now based on the latest OpenStack release - Mitaka

Leverage the latest features and enhancement of the Mitaka Release

## Compact Control Plane

- VMware Integrated OpenStack management control plane has been optimized and architected to run in a compact architecture

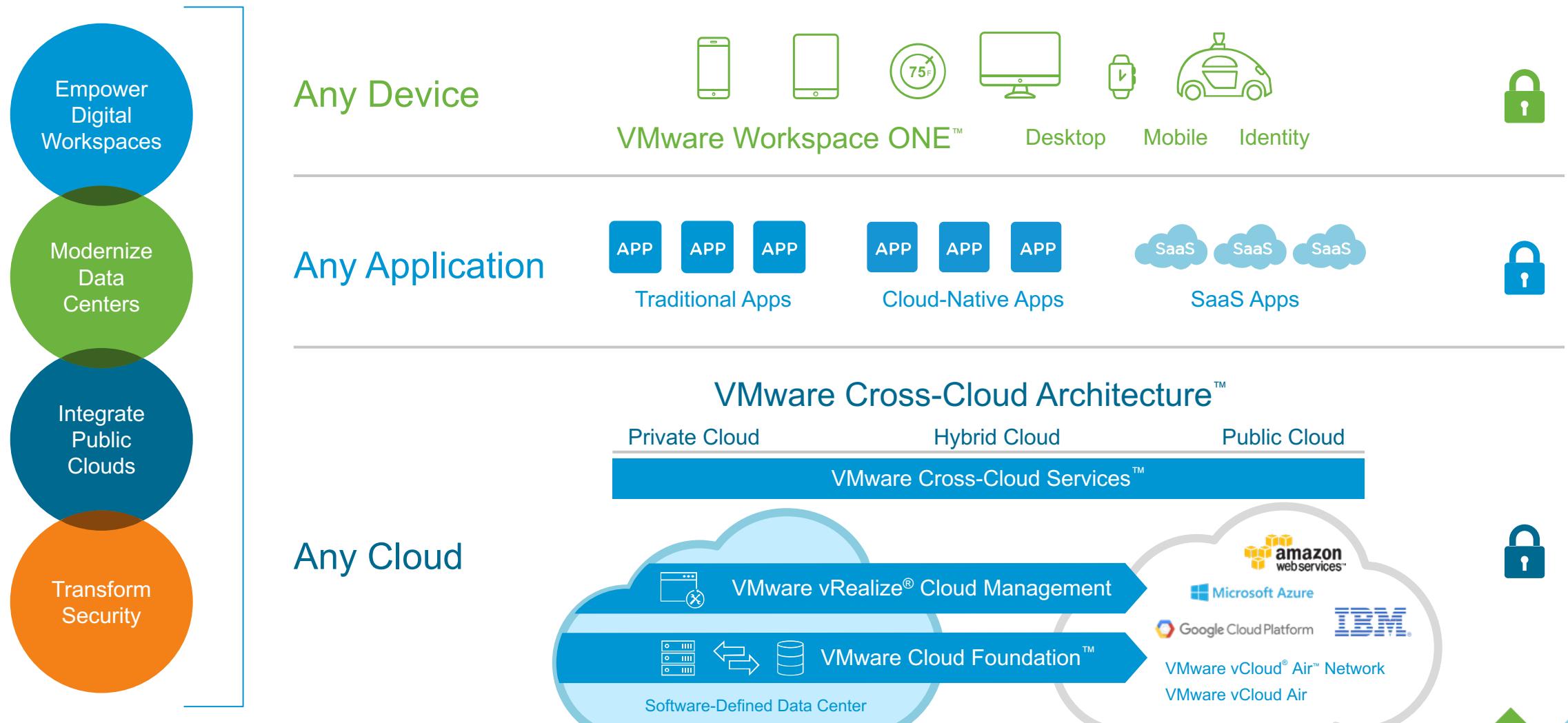
Reduce infrastructure and costs required to run an OpenStack Cloud

## Import Existing Workloads

- Existing vSphere VMs can be imported and managed via VIO OpenStack APIs

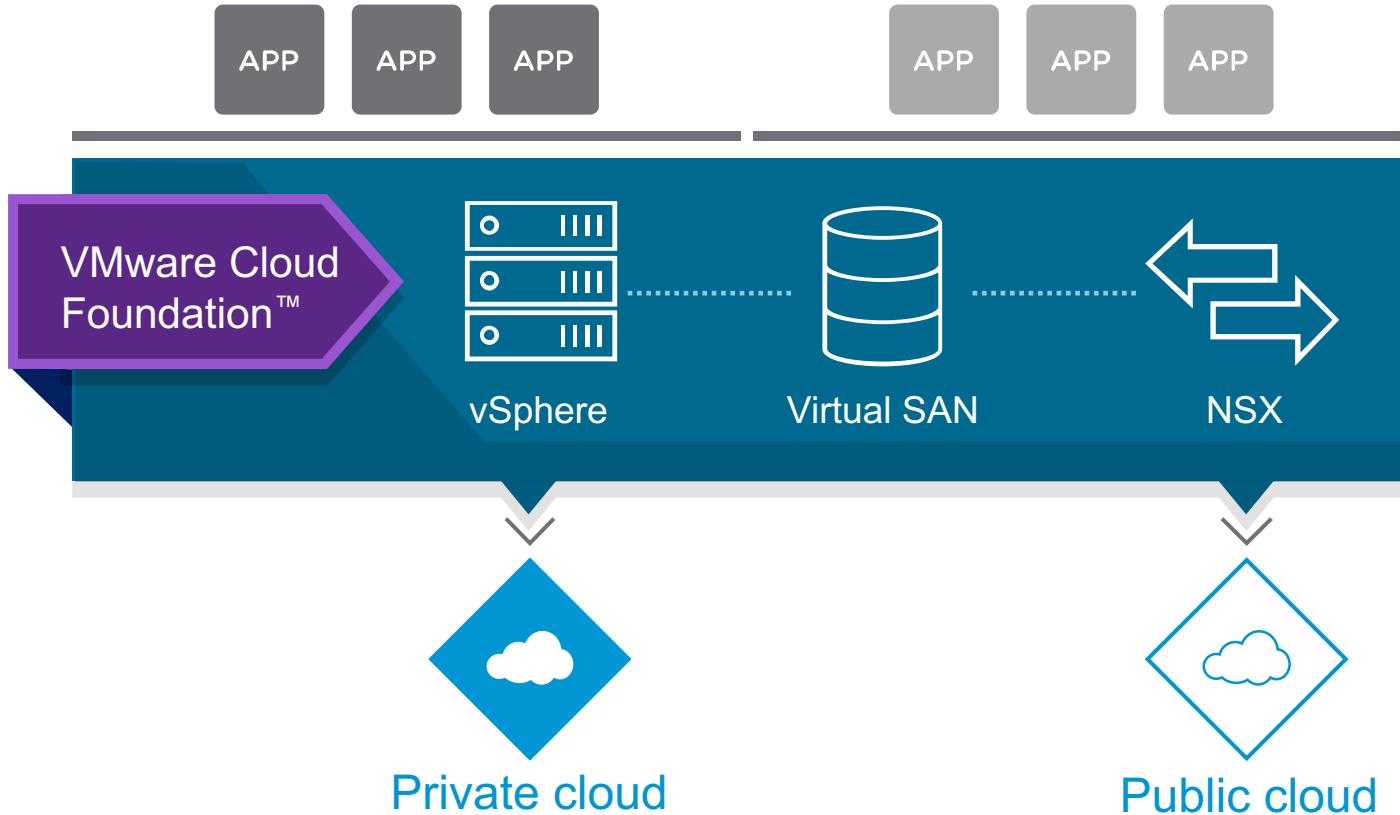
Quickly start consuming existing VMs through OpenStack

# Enabled with VMware's Integrated Architecture



# Introducing VMware Cloud Foundation™

Unified SDDC Platform For The Hybrid Cloud



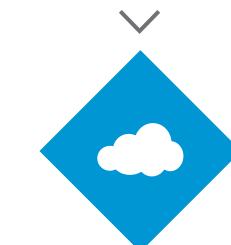
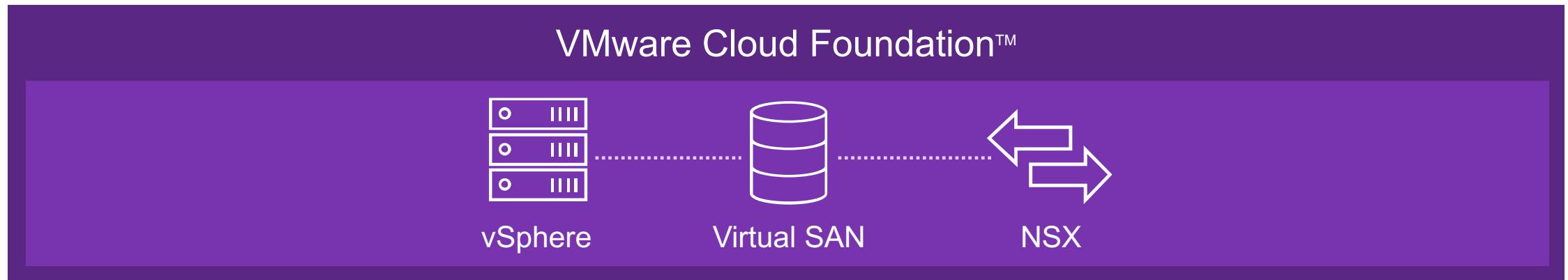
Next generation hyper-converged platform

Natively integrated cloud infrastructure stack (vSphere, Virtual SAN, NSX)

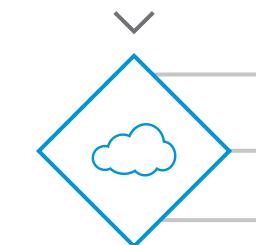
Automates deployment and lifecycle of the cloud with VMware SDDC Manager

Universal platform for any applications

Available across private and public clouds



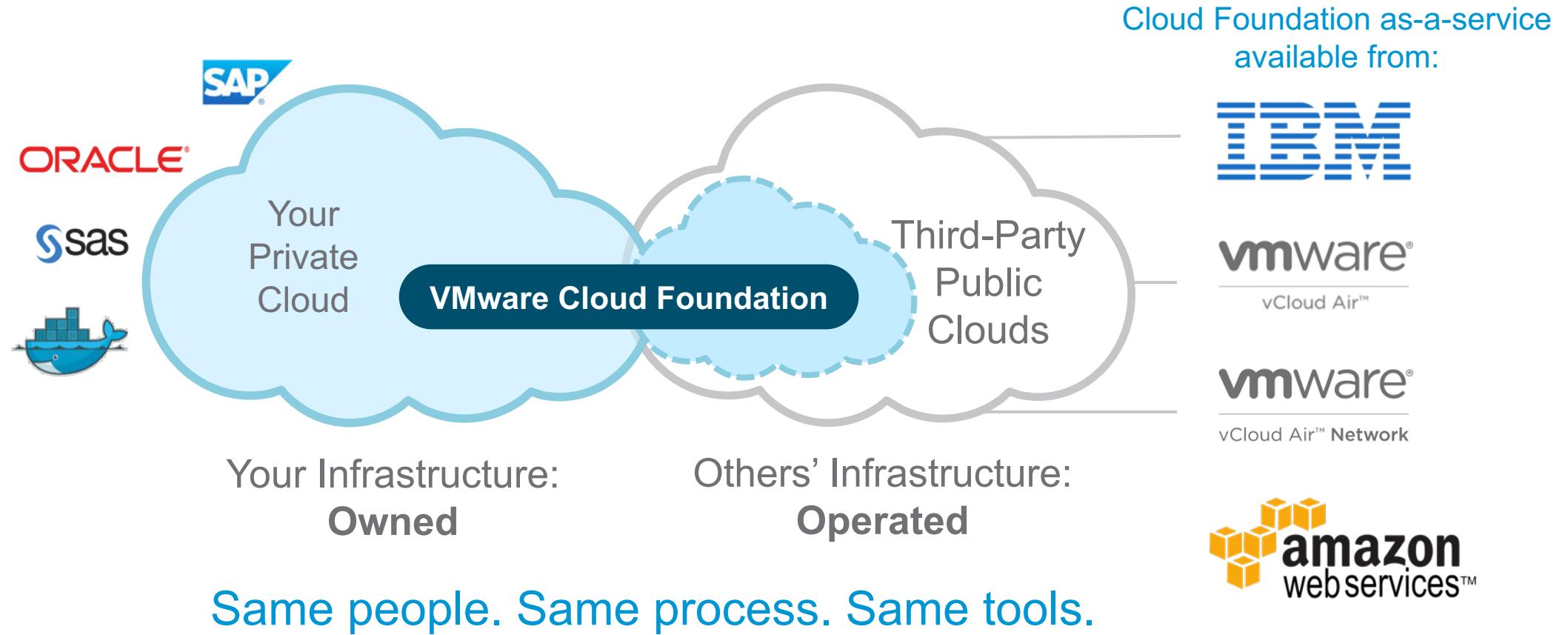
Private cloud



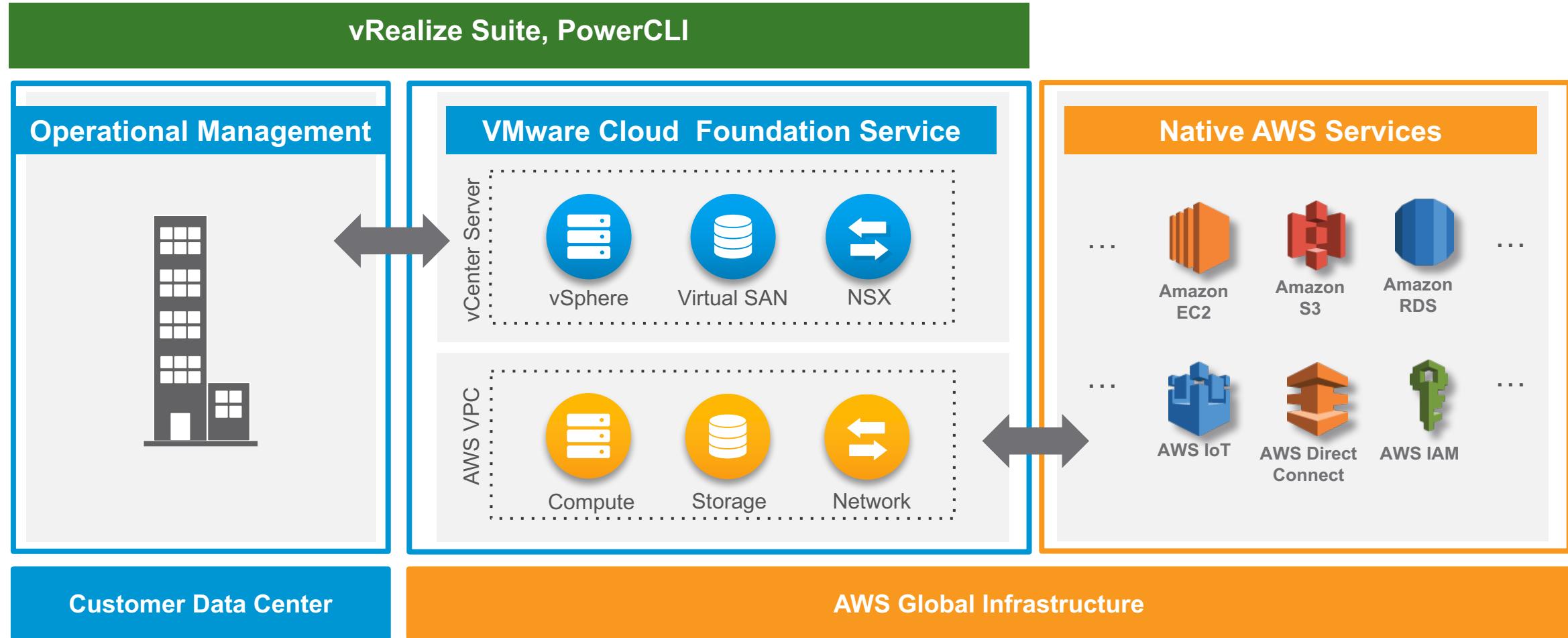
Public cloud



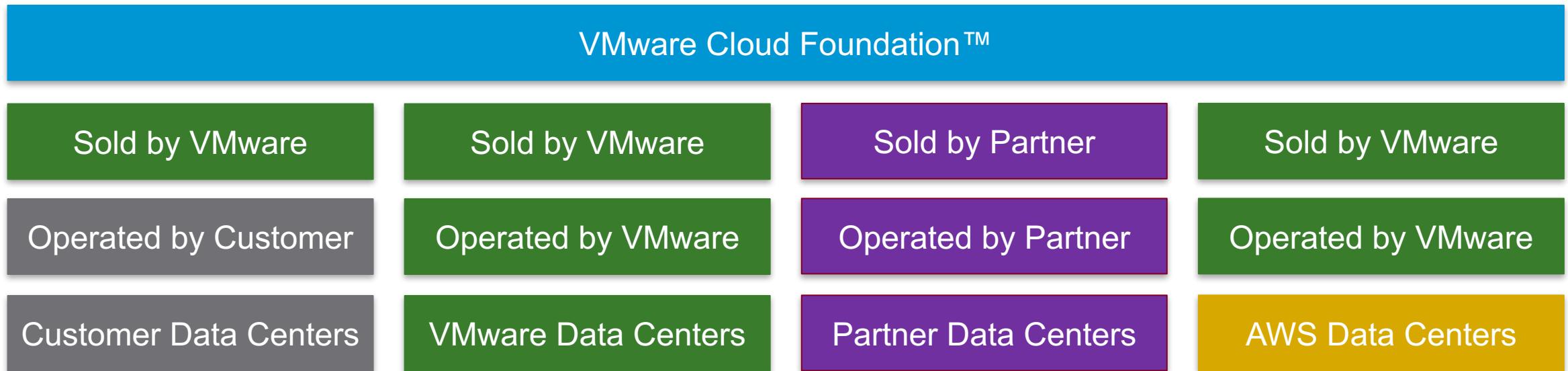
# VMware Cloud Foundation Is The Common SDDC Platform Of Private and Public Cloud



# VMware Cloud on AWS



# Positioning Cloud Foundation™



on-premises



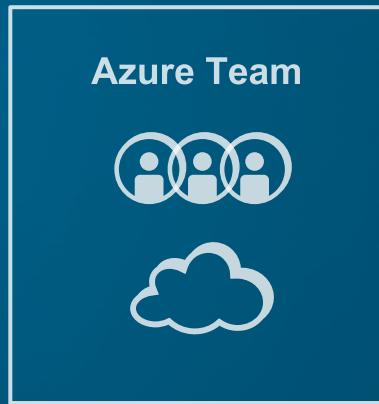
# Growing number of enterprises are using **multiple public clouds**

▼  
**60%** of customers  
are using a public  
cloud today

▼  
**48%** using multiple  
public clouds are using  
both AWS and Azure

▼  
**30%** of workloads  
estimated to run in  
public clouds in 2020

▼  
**70%** of workloads  
estimated to still run  
on-premises in 2020



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**67%**

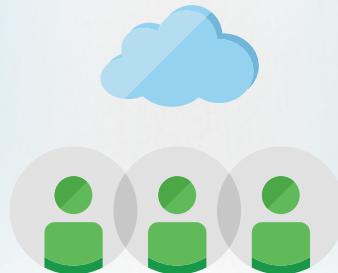
of VMware enterprise customers foresee an ideal  
end state where they rely on **multiple clouds**

# Clouds as the new silos? This is Multi-Cloud !

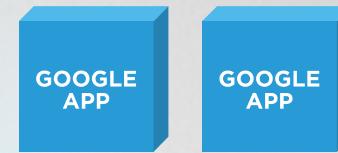
Challenge: Different technology stacks, methodologies, processes, teams, and expertise



vmware®  
On-premises  
data center

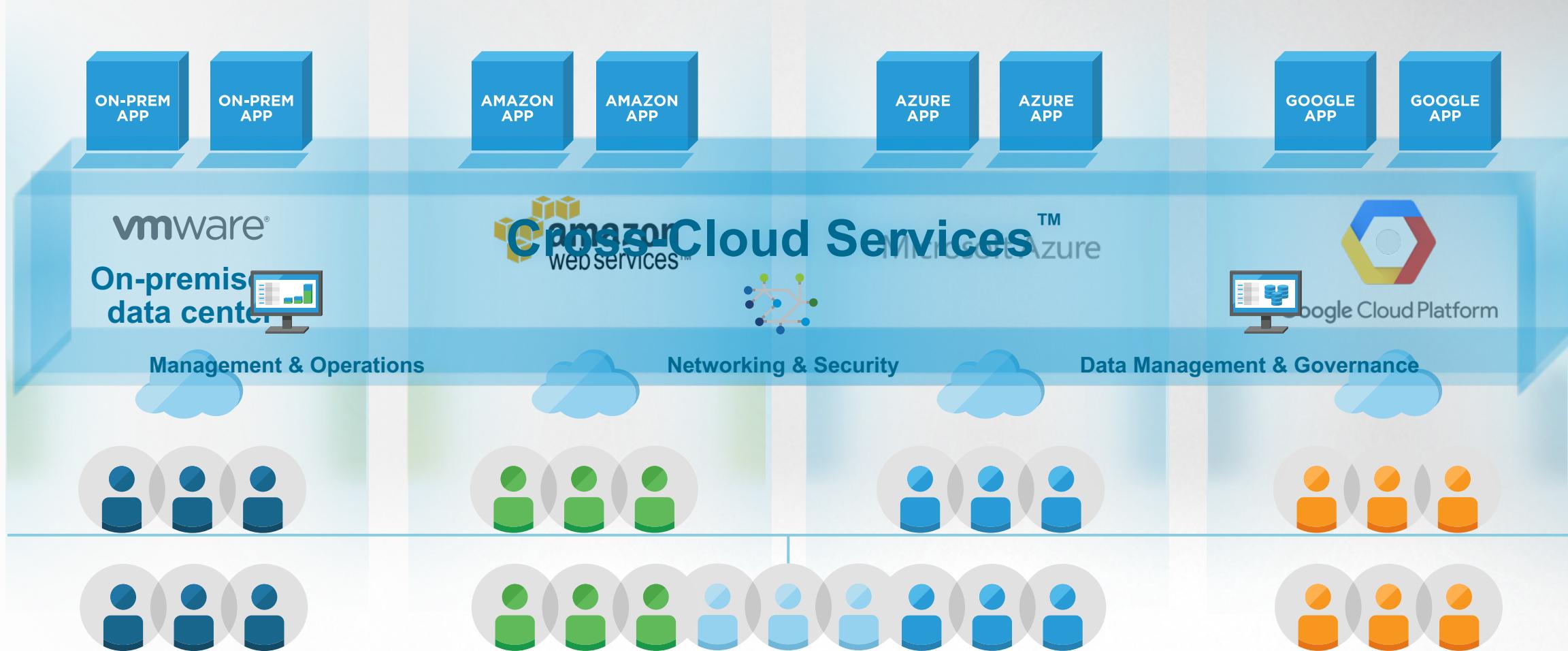


Microsoft Azure

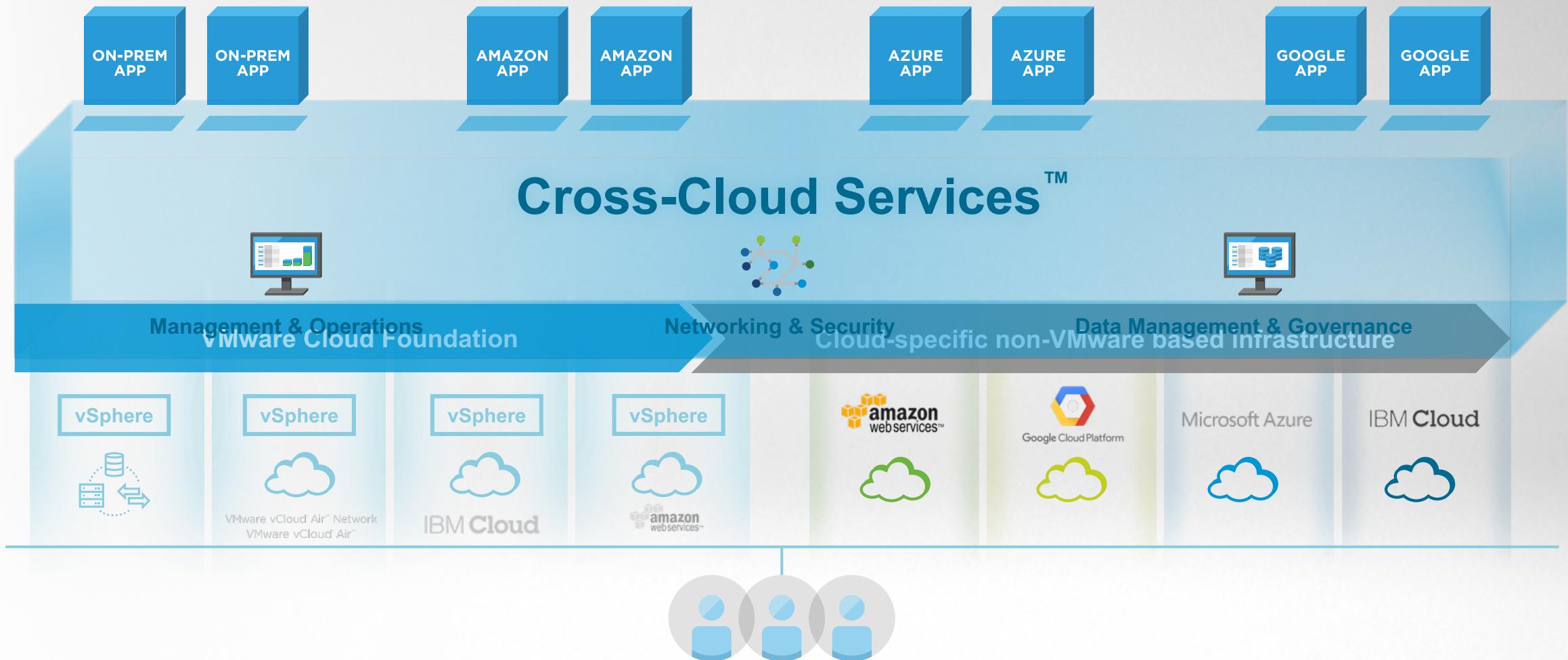


# Control Plane for IT

A single platform for IT ops teams to securely connect, manage apps running on cloud services

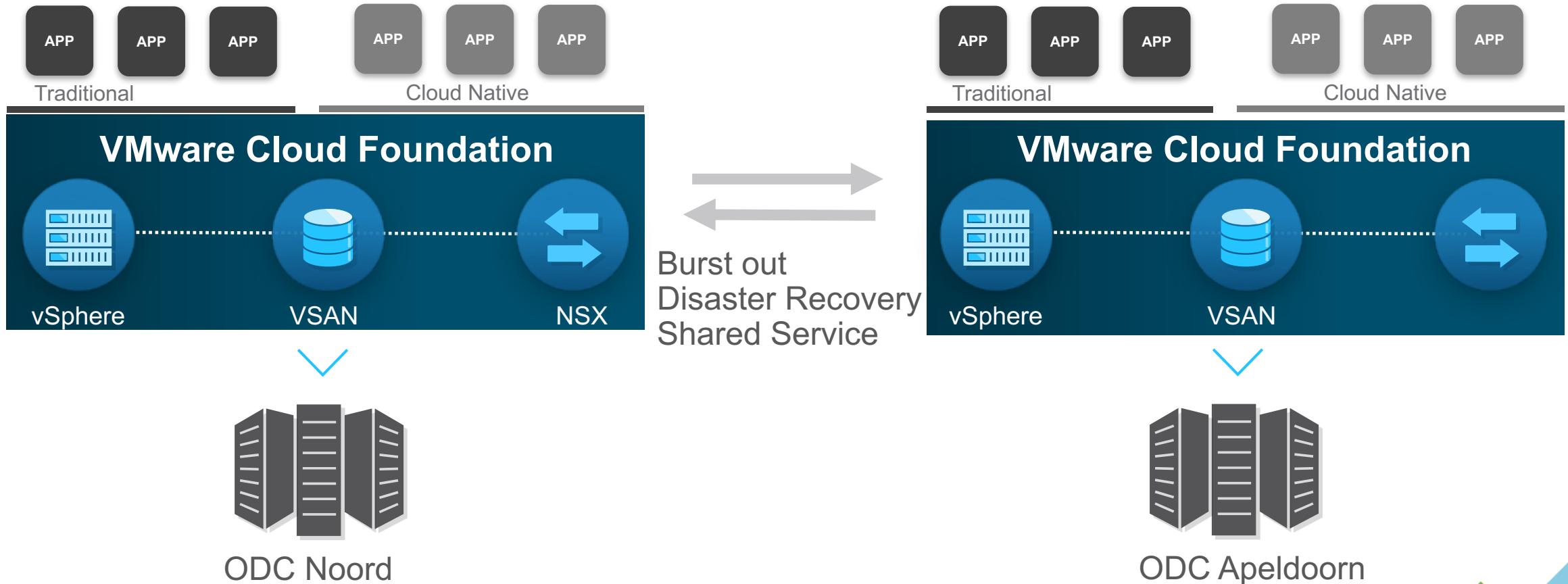


# VMware Cross-Cloud Architecture™

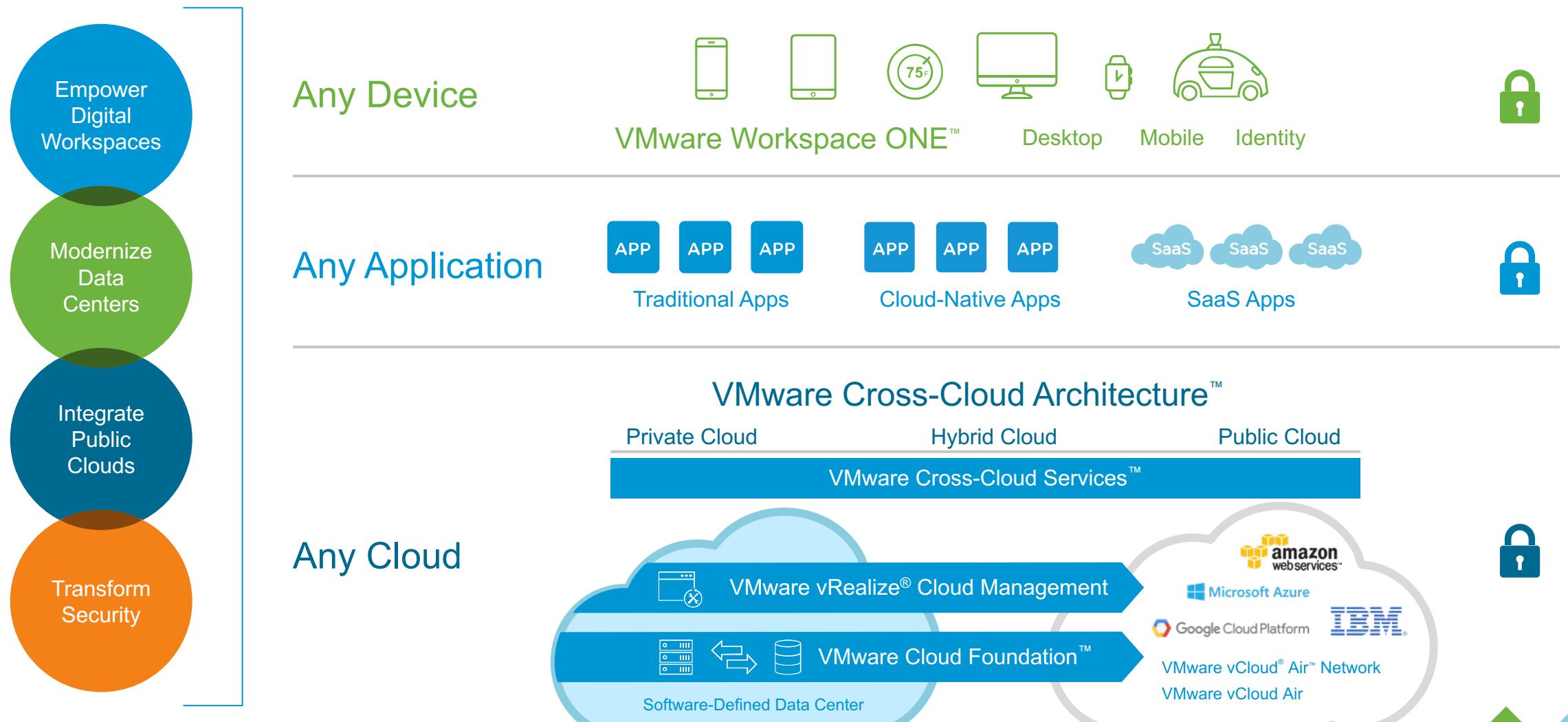


# Cross-Cloud Example for the Dutch Government

Unified SDDC Platform For The Hybrid Cloud



# Enabled with VMware's Integrated Architecture



# The Role We Must Play for Our Customers

