

Portland (and Friends) VMware User Group

VMware Cloud and
Google Cloud VMware Engine

Bill Hill – VMware - Sr. Technical Account Manager
Peter Fisher – Google – Public Sector Partner Engineer

November 4, 2020

Agenda

Welcome

VMware Vision and VMware Cloud

Google Cloud VMware Engine

Q&A

Closing

Reminder! Adobe Flash Player End of Life:

December 31, 2020

Potential Impact to:

- vCenter
- Horizon
- vCloud Director
- NSX-V
- SRM

TAM Lab YouTube Channel:

<http://via.vmware.com/tamlab>

VMware KB: 78589



Portland VMUG Virtual UserCon

Thursday, December 10, 2020



VMUG Virtual
User/con

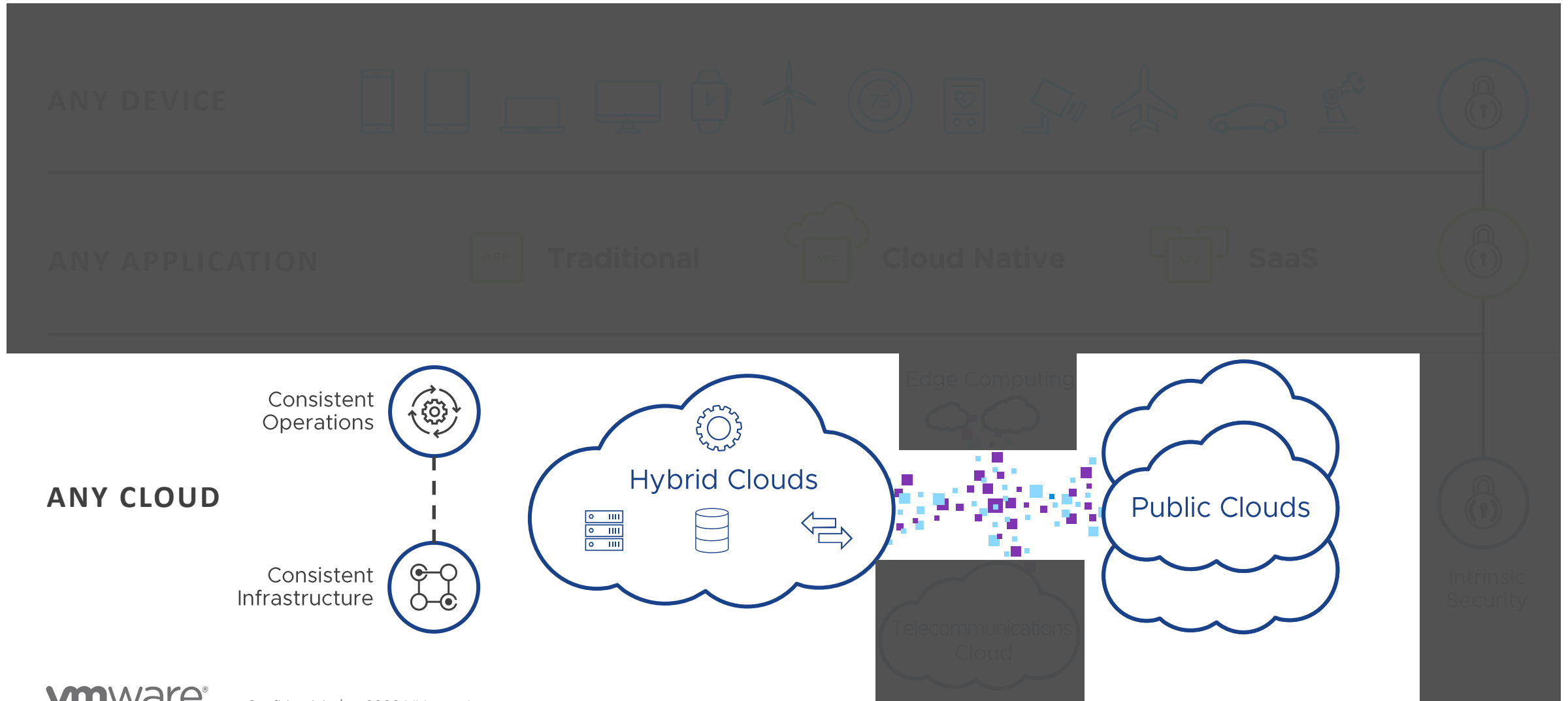
Keynote Speaker: Duncan Epping



Duncan Epping is a Chief Technologist working for VMware in the Office of CTO of the Storage and Availability business unit. In that role, he serves as a trusted adviser to VMware's customers primarily in. Main responsibilities are ensuring VMware's future innovations align with essential customer needs, translating customer problems to opportunities and function as the global lead evangelist for Storage and Availability. Duncan specializes in Software Defined Storage, hyper-converged infrastructures and BC/DR solutions. Duncan is the founder of Yellow-Bricks.com and author of various books including the vSphere Clustering Deep Dive series and Essential Virtual SAN.

VMware Vision

The Essential, Ubiquitous Digital Foundation



Conceptual Building Blocks

VMware Cloud Provider Program (VCP)

- Enables partners to offer VMware solutions as hosted solutions for their customers.

VMware Cloud Verified



- Certification that shows the partner is providing services powered by VMware Cloud Infrastructure technologies (including vSphere, vSAN, and NSX)

VMware Cloud

- Powered by VMware Cloud Foundation and VMware Cloud Services

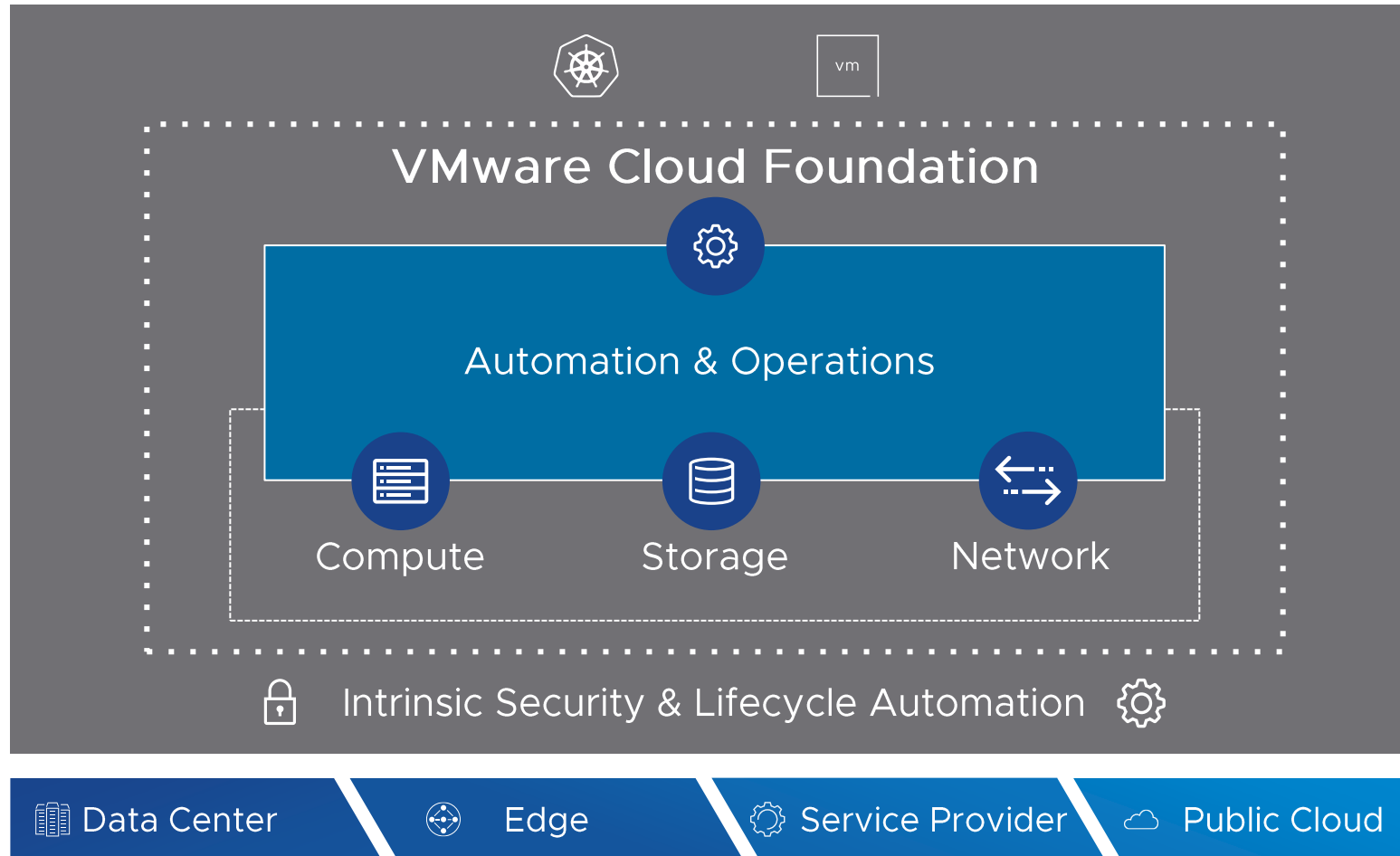
VMware Cloud Foundation

- We'll get to that in a moment 😊

VMware Validated Designs

- Standardized, scalable private cloud architecture backed by VMware's technical expertise.
- Each design is comprehensively tested for integration and compatibility.
- Provides guidance on deploy, integration, and operation of the SDDC.
- Ensures performance, availability, security, and operational efficiency.

VMware Cloud Foundation



Why VMware Cloud?

Scalable, Efficient, and Optimized

Easiest path to the Cloud!

- Move your existing Virtual Machines. No need to refactor or convert to different formats.
 - Refactoring and converting are two of the biggest challenges in getting to the cloud for companies.

Scale up and down as needed

- Seasonal Cloud burst for capacity, TEST/DEV without buying new HW, organic growth, etc...

Leverage existing knowledge to support your Cloud operations

- vCenter, deploying VMs, snapshotting, adding/removing resources, etc... all things we are comfortable with

Provides low latency, high bandwidth connectivity to provider services

- Service availability depends on the provider.

Purchase services through the partner! Google, AWS, Azure, IBM, etc...

Financial Engineering (OpEx vs CapEx)

Do you need Cloud Foundation on Prem for VMware Cloud?

Nope! Though, there are some great value props for Cloud Foundation + VMware Cloud

If Cloud Foundation on Prem

Consistent security policies using NSX between on-prem and Cloud

Consistent storage policies using vSAN between on-prem and Cloud

Operating under a Cloud-like operating model from Day 2 perspective

Familiar architecture between SDDCs on-prem and in the cloud

vSphere – Roll Your Own

Need to address how to secure workloads both on-prem and in the Cloud

Reconcile storage policies between vSAN in VMware Cloud and on-prem storage

VMware Cloud represents another environment that may not jive with current Day 2 operational tasks and needs

Different architecture than on-prem

“These are the same as VMC on AWS”

Things we hear all the time:

- “*VMware on Azure is the same as AWS*”
- or
- “*VMC-on-Azure*”

Reality: Solutions from our VMware Cloud Provider Program partners are NOT the same as VMware Cloud on AWS (VMC-on-AWS)

VMC-on-AWS is co-engineered between VMware and AWS.

- There are additional hardware and software features/functionality that are unique to the environment (ex: Elastic vSAN)
- Supported by VMware

VMware Cloud Verified solutions from our VCPP partners are not co-engineered.

- Though, the partners add a TON of value with integrations into their services!
- Supported by VCPP Partner

vmware®



Google Cloud

Questions?!



Thank You