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# Tips & Tricks for Migration VMware Horizon from On- Premises to the Cloud



# Who Am I?

## Chris Hildebrandt

- vExpert 10+ years
- Cisco Champion 9+ years
- VCAP-DTM 2023
- VCP-DTM 2023
- Sr Consultant for YOUNGTECH
- Public Speaker



# What are we going to cover today?

- Why are you here?
- Types of Cloud
- Common Mistakes of Planning
- Horizon Control Plane
- Horizon Cloud Design
- Horizon Cloud on Azure Bonus stuff
- Discussions





WHY ARE  
YOU HERE?

# Types of VDI Cloud Solutions?

## Horizon Integrated into Cloud Provider Desktop Service. (DaaS)

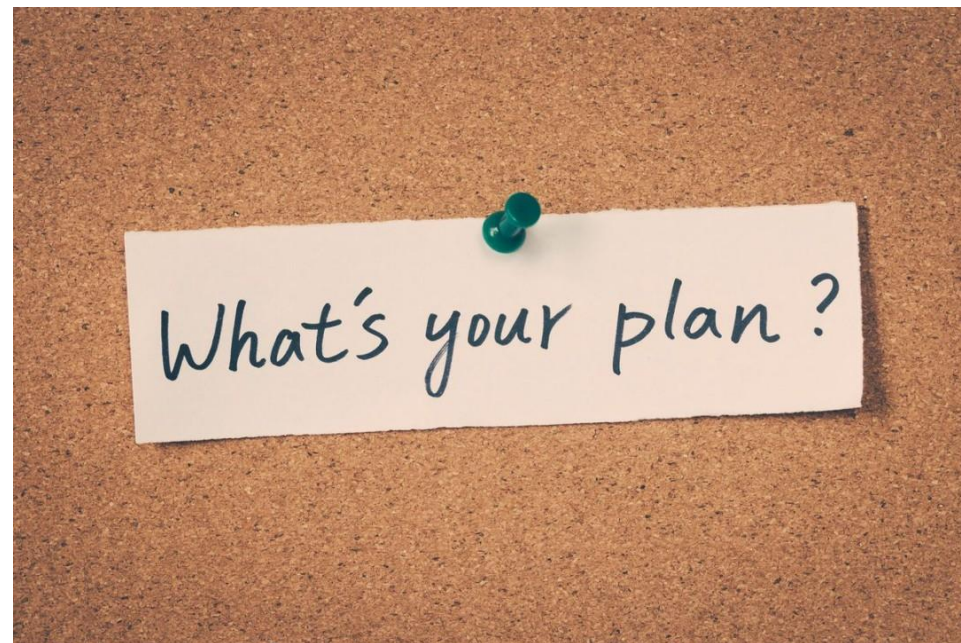
- Horizon on Microsoft Azure
- Horizon on AWS Workspaces

## Horizon on ESXi on Cloud Providers Hosts (PaaS / IaaS)

- Horizon on Azure ESXi
- Horizon on VMC on AWS
- Horizon on Google Cloud VMware Engine

## Common Mistakes in Planning

- **Not knowing your Applications!**
- **Not Doing Image Rationalization!**
- **Not Knowing your workloads!**
- **Not Having a Data Replication Strategy!**
- **Not Having a Load balancing / Failover Strategy!**





# • Knowing your Applications

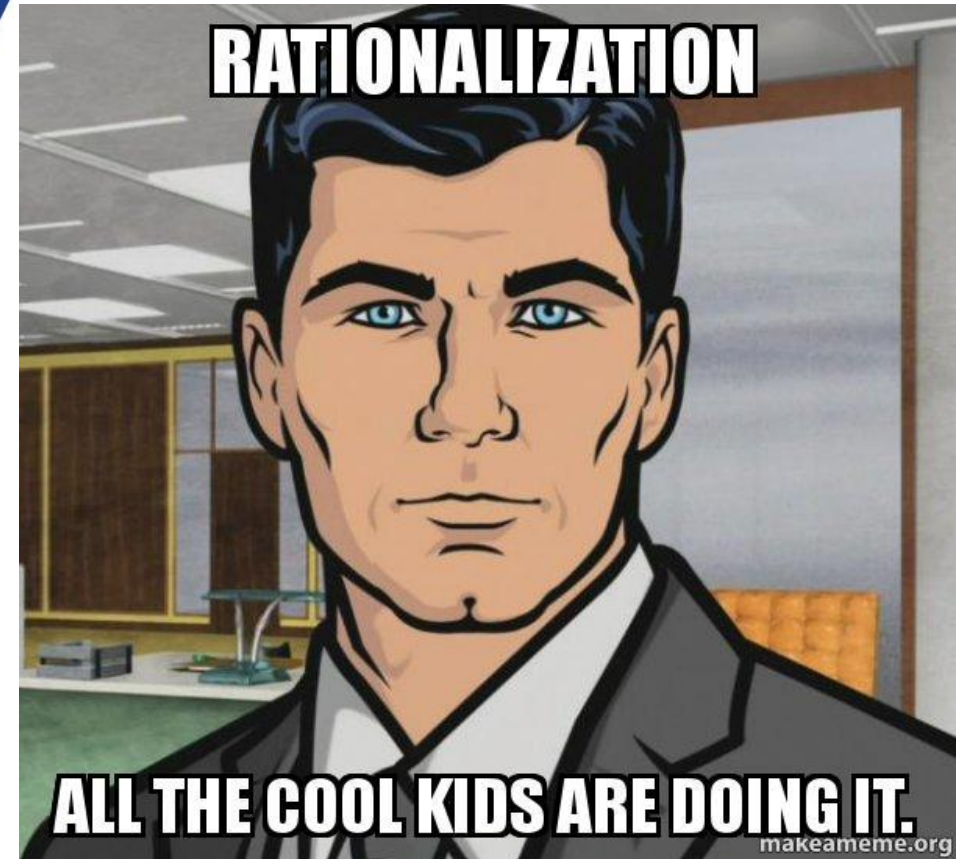


## Learn your Applications

- Learn apps users are using
- Learn how the apps are being used
- Learn how the app works!
- Is the App Client – Server Dependent app?
- Validate and test for latency

## Image Rationalization

- What OS is your master image?
- Look at what apps are installed!
- Look what tools are running!
- Look what services are running!
- Look what GPO's are being applied!



# • Knowing your Workloads



## What types of User Workloads?

- What are the users working hours?
- What locations are your users in?
- What types of Pools are in the plan?

# Data Replication Strategy

- What data do you need?
- Where is your data?
- Can Data Cleanup be done?
- How do you plan to get it to all places?
- What's your plan for file locking?



# • Load balancing / Failover Strategy



- What is your Resiliency Stratege?
- Whats your thoughts on Failover?
- How are you planning to deal with Azure region outages?
- Data Center outages?

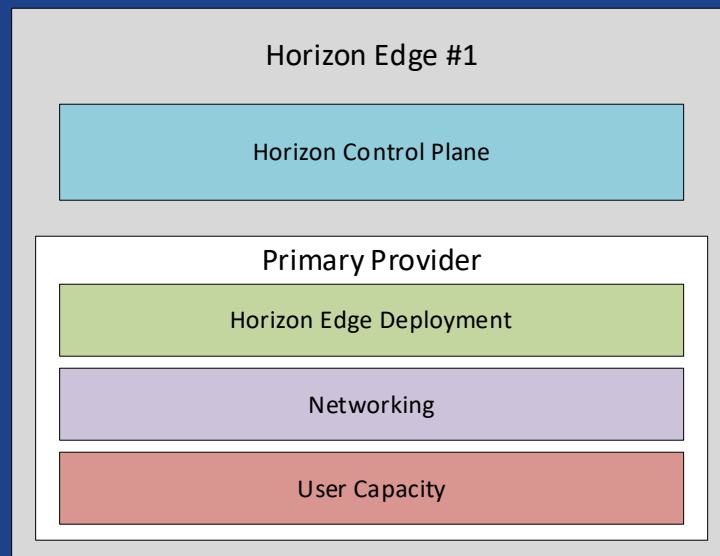
# Horizon Cloud Control Plane

- There are 2 version of Horizon Cloud Control Plane
- Authentication Planning
- IP Subnets
- Azure Service Principals
- File Shares
- Difference from On-Premises to Cloud!
- Cloud Costs add up quick!

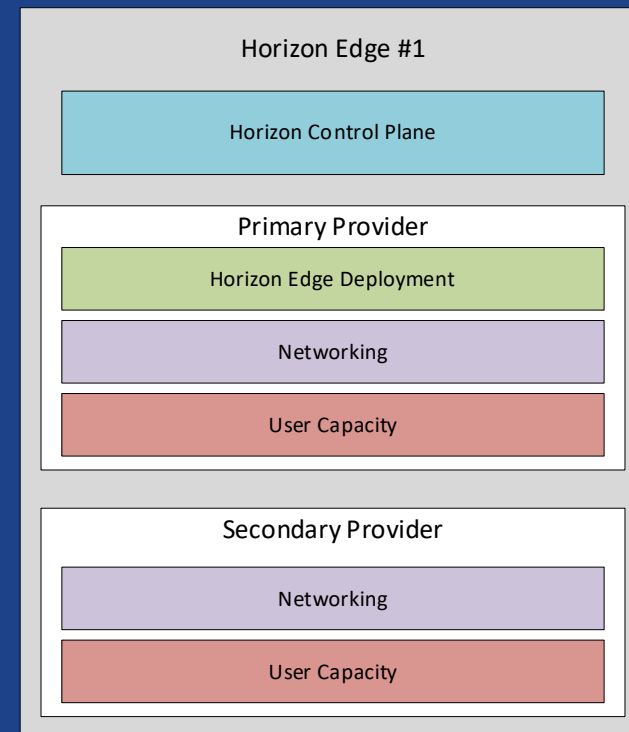


# Design Decisions for DaaS

## Traditional Design

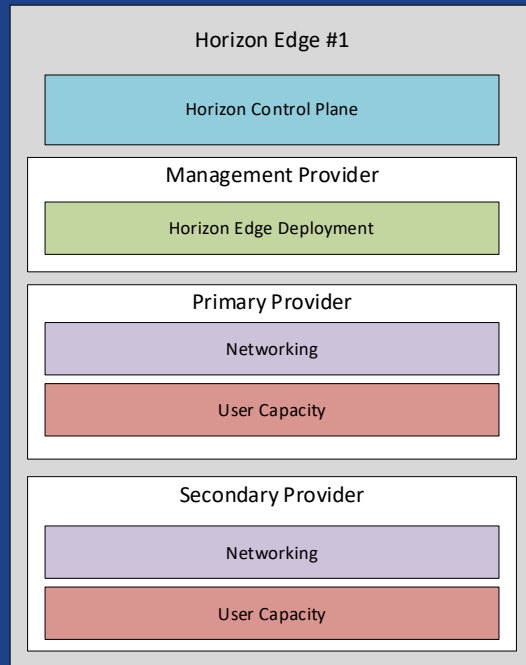


## Multi Sub Design

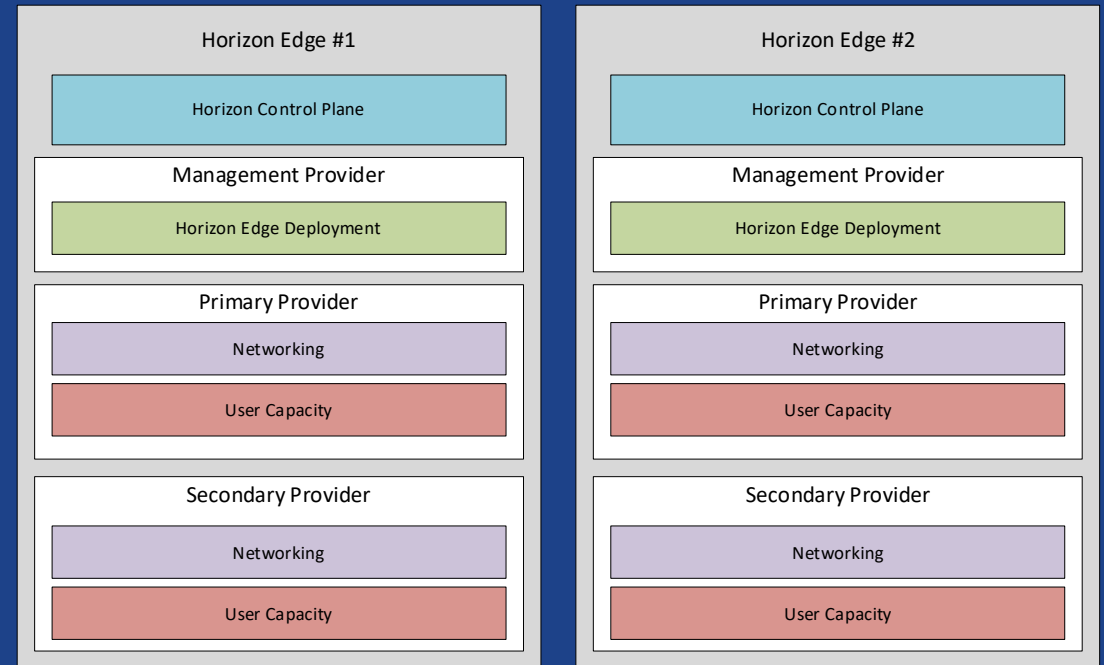


# Design Decisions for DaaS

## Multi Sub Management Design



## Multi Site with Multi Sub Management Design





# Horizon in Cloud Shortfalls

## Horizon Cloud on Azure (DaaS)

- Does not run Instant Clones
- Blast Protocol only
- No Proxy Support
- No Mixed Platform Entitlements!
- App Volumes are VHD's!
- Image Management...Not as Advertised
- Can not replicate App Volumes to Cloud....Unless

## Horizon on Cloud Provider Hardware (IaaS)

- No FIPS support
- No vGPU support
- No IPv6
- vTPM is dependent on Cloud Provider

# Discussions



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