

Migrating workload to Azure Stack

TEAMS:

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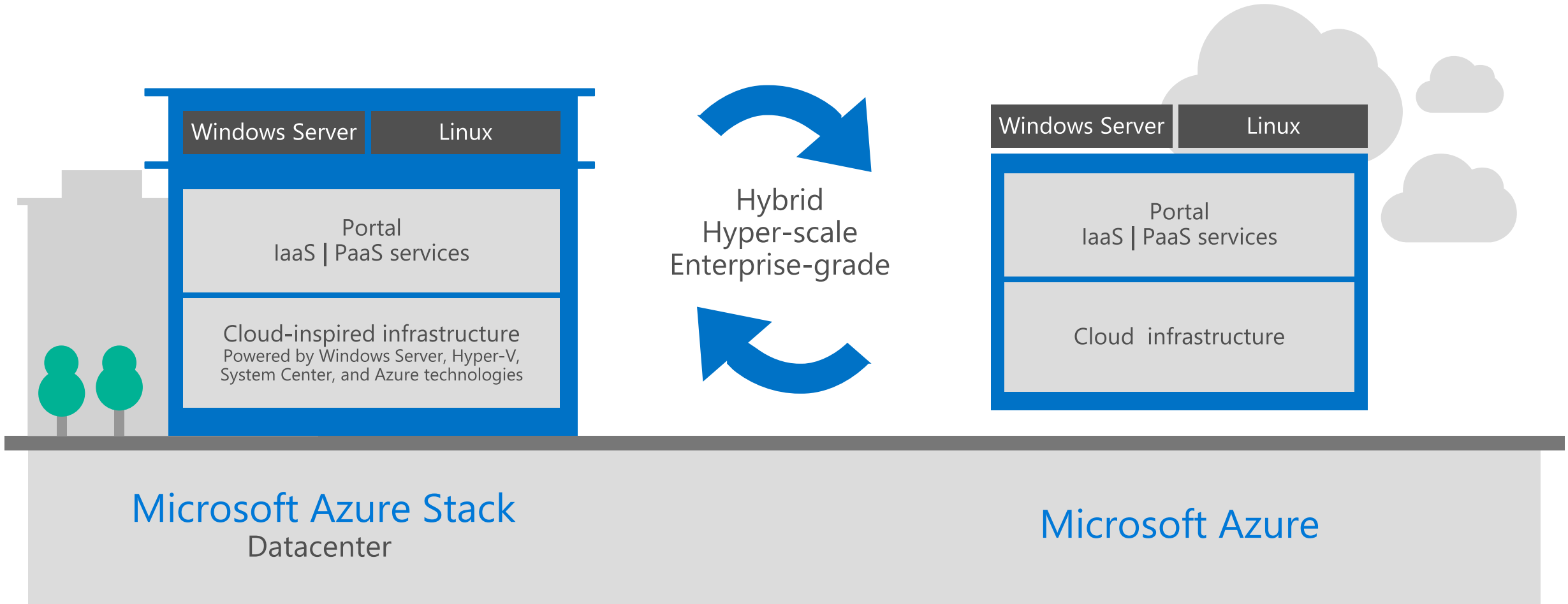
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Azure Stack VS Azure



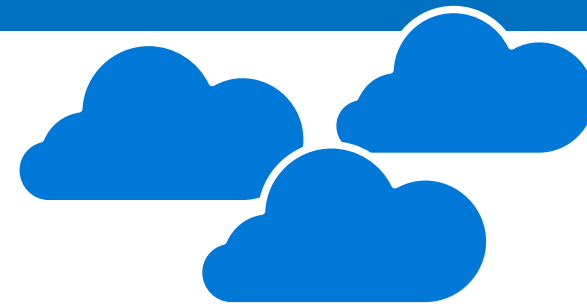
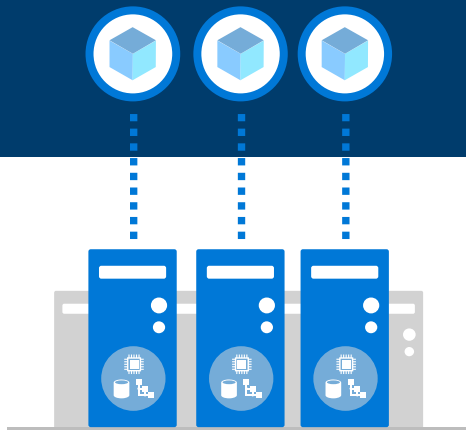
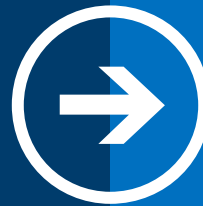
Opportunity to rethink your datacenter approach: think services, not servers

Traditional datacenter

- Tight coupling between infrastructure and apps
- Expensive, vertically integrated hardware
- Silo-ed infrastructure and operations
- Highly customized processes and configurations

Microsoft Azure datacenter

- Loosely coupled apps and micro-services
- Industry-standard hardware
- Service-focused DevOps
- Standardized processes and configurations



Application spectrum

Traditional first-party, third-party apps

SQL, Exchange, SharePoint, SAP, and Oracle, 3-tier scale-out apps

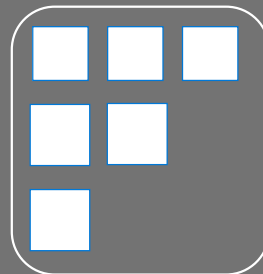
Cloud-native apps and micro-services

Containerized apps, spanning IaaS and PaaS

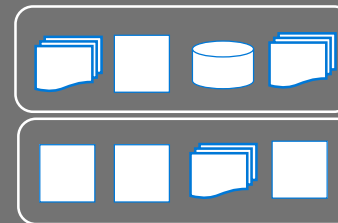
Deployment Choices



Single Machine



Multi Tiered



Cloud Native



VIRTUALIZATION

ORACLE®



Migration to Azure Stack

IaaS



Simply establish a VPN connection between a source cloud and an Azure Stack. Create a new VM, and move the solution manually from one VM to another.



If you would have to export the machine from Azure Pack and prepare it to run with Azure. As Azure and Azure Stack use the same format. There is an easy way to import it to Azure.



PaaS



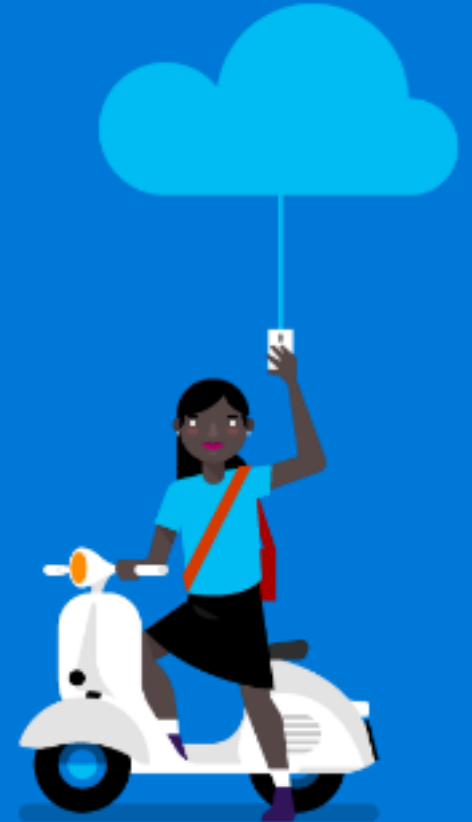
PaaS SQL : Export the database on MS SQL/MySQL and import it to Azure Stack.



PaaS web apps : Re-create the web app using the Azure App services feature of Azure Stack and update the public DNS to migrate the accessibility.

Migrating workload Solution

- ❖ Using Microsoft Virtual Machine Converter (MVMC)
- ❖ Using Third Party Tools

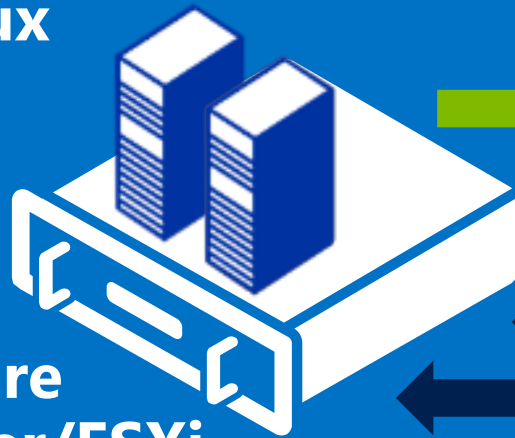


Microsoft Virtual Machine Converter

Converting a VM: The Process

Windows
& Linux
VMs

VMware
vCenter/ESXi



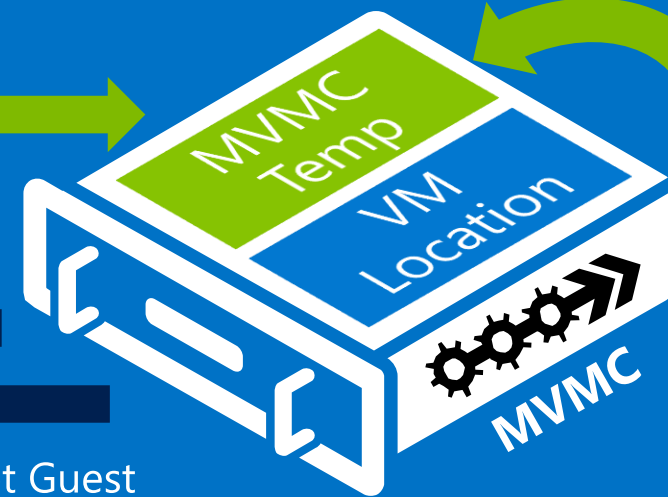
1. Connect to vCenter/ESXi & Select Target Guest

2. Checkpoint VM
& Uninstall VMware Tools

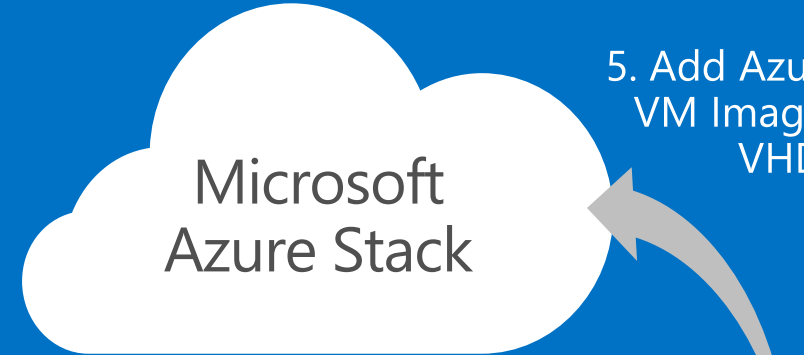
3. Convert VMDK to VHDX

4. Convert VHDX to VHD

5. Add Azure Stack
VM Image from
VHD

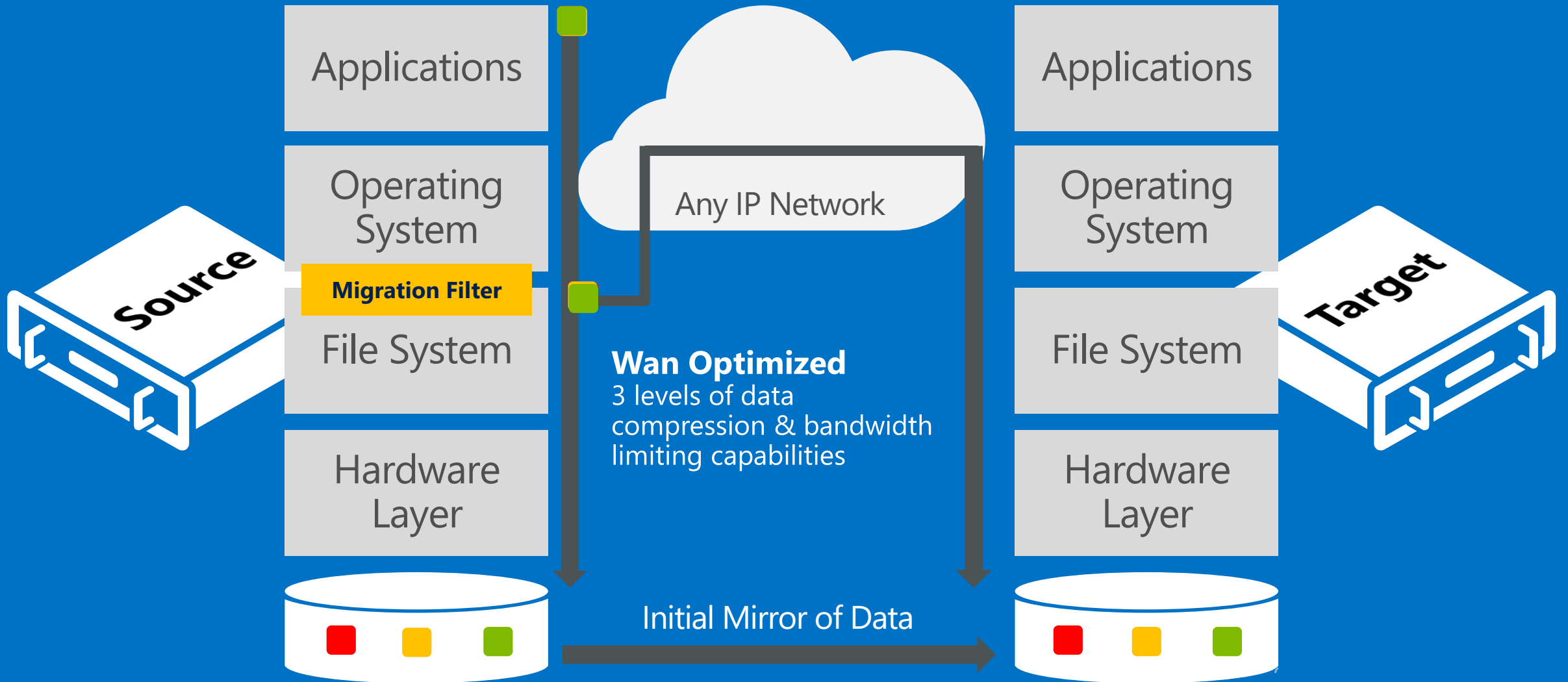


Microsoft
Azure Stack



Third Party Tools

Near-Zero Downtime Migrations



DEMO



Microsoft