Azure VMware solution (AVS) from Wipro

8 Weeks POC to migrate on Premise VMware workloads to Azure VMware Solution

Azure VMware Solution is an infrastructure-as-a-service private cloud offering built on VMware Cloud Foundation running on dedicated bare-metal servers in Azure regions. Azure VMware Solution enables a fast path to the cloud for seamlessly migrating or extending existing VMware workloads from on-premises environments to Azure.

Azure VMware Solution provides the native Azure service and has native integration with Azure's broad ecosystem of services including DR, Backup, Azure Active Directory, Azure management and security services, Azure Cognitive Services, and more.

Benefits to migrate to Azure VMware solution

- Move or extend on-premises VMs to Azure without having to refactor its applications.
- Enhance VMware applications with dedicated, isolated, high-performance infrastructure and unique Azure products and services.
- Get scale, automation, and fast provisioning for VMware workloads on global Azure infrastructure.
- Benefit from a solution that's delivered by Microsoft, verified by VMware, and run on Azure infrastructure.
- Reduce time and cost of additional training by leveraging expertise already in place.

Use case

- Disaster Recovery
- Backup to the cloud
- VMs' and Virtual Desktop Infrastructure (VDI)
- Seamlessly integrate your existing VMware environment with Azure. Retention of the existing VMware investments.
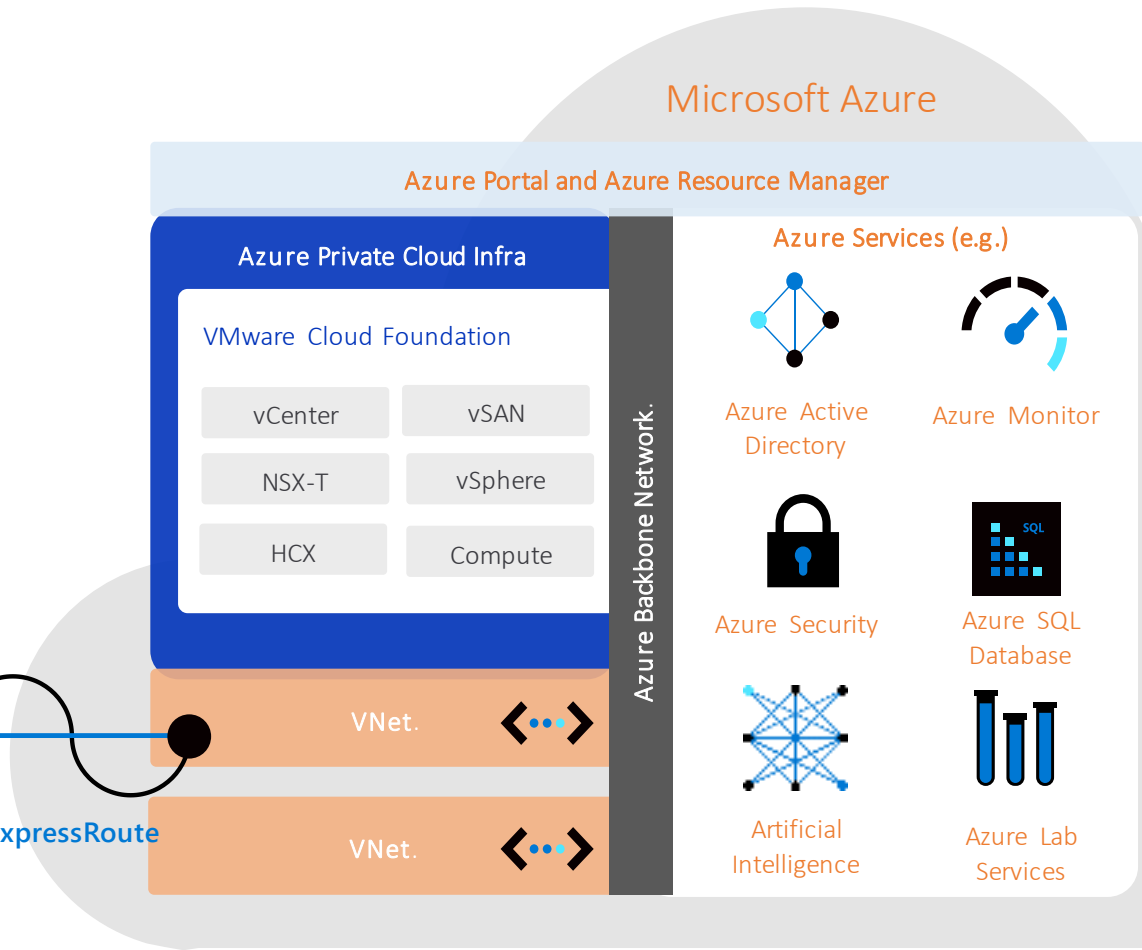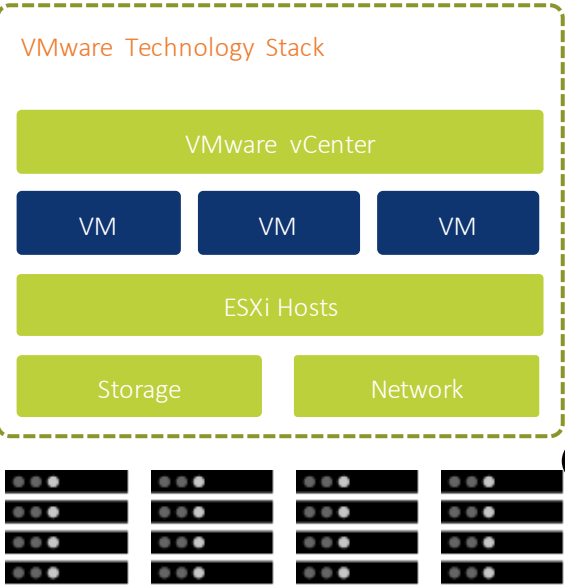- Win2008 and SQL2008 on extended support environment

Why Wipro?

- Wipro-Microsoft-VMware strong tri-partnership Alliance and jointly driving the AVS motion.
- Microsoft Gold Partner. Managed Services partner for Azure.
- Strong Microsoft and VMware competencies – Migration to AVS and subsequent managed services.
- Strong Talent ecosystem with certified and experienced Cloud professionals. Wipro's cloud business profile – $2.2B Cloud revenues, 30 % YoY growth, 4 cloud studios, 50+ Delivery centers, 2500+ Microsoft Azure certified professionals.

Azure VMware Solution – High Level Architecture

Microsoft Azure

On Premises Datacenter

VMware Technology Stack

- VMware vCenter
- VM | VM | VM
- ESXi Hosts
- Storage | Network

ExpressRoute

Azure Portal and Azure Resource Manager

Azure Private Cloud Infra

VMware Cloud Foundation

vCenter	vSAN
NSX-T	vSphere
HCX	Compute

Azure Backbone Network.

VNet.

VNet.

Azure Services (e.g.)

Azure Active Directory

Azure Monitor

Azure Security

Azure SQL Database

Artificial Intelligence

Azure Lab Services

wipro

vmware | Microsoft Azure

Migration to Azure VMware Solution - Using VMware HCX for seamless migration

Microsoft Azure

vSphere 6.7
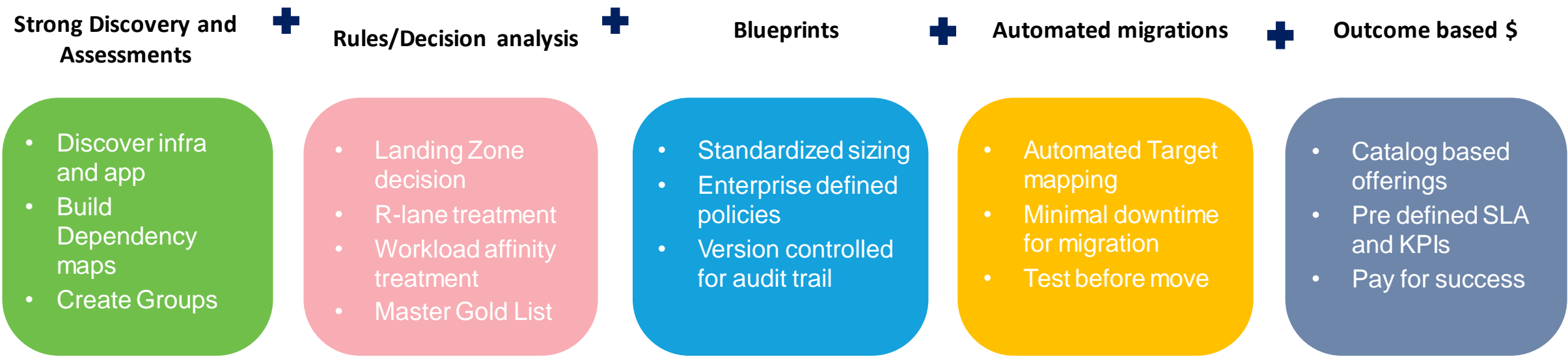
Leveraging HCX

VMware On-Premises
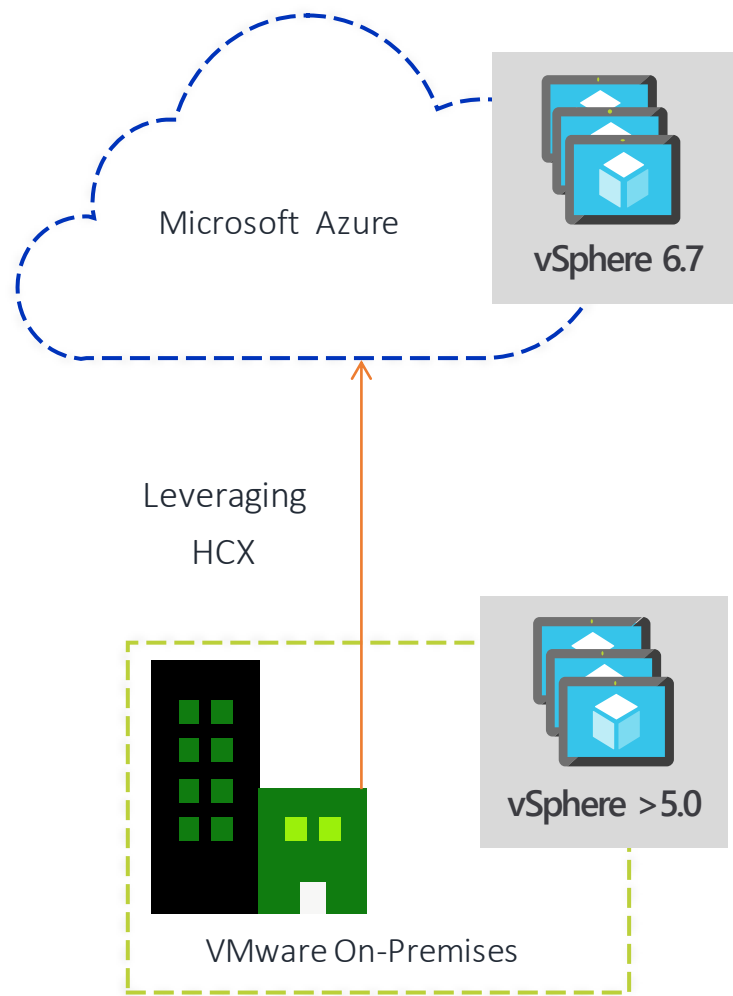
vSphere >5.0

- Large scale **bulk migration** using HCX

- Replication Assisted vMotion

- Any **vSphere to vSphere** migration

- **vSphere version upgrade:** vSphere 5.0+ to any current vSphere version

- **HCX for site pairing** and DR

- **Parallel VM migration** threads

- **No change in IP,** no NAT

- **Secure proxy** for vMotion and replication traffic

Wipro's success in helping customers to migrate seamlessly to AVS

- Industrial approach to migrations
- Rules engine with predefined policies
- Ready to use blueprints
- Ability to ramp up and down the migrations
- Deployable ready skills

- Standardized process
- App down, Vertical & Geo aligned restrictions
- Scale up to 1000 migrations per week
- Tools, technology and large integrated partner ecosystem
- 90% automation for assessment / data analysis

Strong Discovery and Assessments ➕ **Rules/Decision analysis** ➕ **Blueprints** ➕ **Automated migrations** ➕ **Outcome based $**

Strong Discovery and Assessments
- Discover infra and app
- Build Dependency maps
- Create Groups

Rules/Decision analysis
- Landing Zone decision
- R-lane treatment
- Workload affinity treatment
- Master Gold List

Blueprints
- Standardized sizing
- Enterprise defined policies
- Version controlled for audit trail

Automated migrations
- Automated Target mapping
- Minimal downtime for migration
- Test before move

Outcome based $
- Catalog based offerings
- Pre defined SLA and KPIs
- Pay for success

Tested and fine tuned from learnings across 50+ customers industrialized into factory based model Migrations

vmware | Microsoft Azure

About Wipro Wipro Ltd. (NYSE:WIT) is a leading Information Technology, Consulting and Outsourcing company that delivers solutions to enable its clients do business better. Wipro delivers winning business outcomes through its deep industry experience and a 360 degree view of "Business through Technology" - helping clients create successful and adaptive businesses. A company recognized globally for its comprehensive portfolio of services, a practitioner's approach to delivering innovation, and an organization wide commitment to sustainability, Wipro has a workforce of 170,000 serving clients across 57 countries. For more information, please visit www.wipro.com

Wipro Limited Doddakannelli, Sarjapur Road, Bangalore-560 035, India Tel: +91 (80) 2844 0011 Fax: +91 (80) 2844 0256 wipro.com