



DXC AZURE VMWARE SOLUTION

AZURE VMWARE SOLUTION (AVS)

Unlock innovation and gain a competitive edge with the powerhouse partnership between DXC and Microsoft

As a smart organizational leader, you know that moving your workloads to a more secure and scalable cloud infrastructure can benefit your customers and your balance sheet. However, the time and resource costs of such transitions can be daunting. That's where DXC's Azure Services - VMware Solution comes in. This offering scales according to your budget and IT needs, provides you with expertly-managed cloud service from DXC and the flexibility and scalability of the Microsoft Azure VMware Solution. Benefits include:

- Quick deployment. Deploy rapidly to VMware cloud clusters hosted by Azure data centers through the use of DXC's customizable cloud templates and DXC's extensive orchestration and automation library.
- Tailored services. Choose the services you need starting with a base Microsoft context along with ServiceNow, API catalogs, or our Enterprise IT Service Management portal. You can also receive application support through DevSecOps, continuous integration/continuous delivery (CI/CD), day 2 operations and Infrastructure as Code.
- Full cloud support. Access the full suite of Microsoft Azure cloud services, including architecture, design, migration, delivery and continuous operational support in areas such as storage, virtual network, and security and financial management.
- End-to-end managed services. Get end-to-end managed services support through Platform X™, our automated service-delivery model. The platform allows for full-stack capabilities, including infrastructure support, monitoring and automated patching

Key Benefits

- Go faster. Deploy rapidly by migrating to a consistent infrastructure delivered as a service.
- Reduce risks. Keep threats at bay by moving to a secure platform with built-in security updates.
- Gain expertise. Drive business value with unparalleled advice in areas such as cloud migration of critical workloads, application development and financial impact / ROI.

Azure VMware Solution (AVS) is a cost-effective, capital-light VMware hosting option for clients that are committed to Microsoft Azure as a strategic IT direction but need to run VMware workloads in the same physical cloud infrastructure as their other Azure resources. DXC's AVS Managed Capability is an extension of our existing Azure Services offering.

AVS service allows the provisioning and execution of a full VMware Cloud environment on Azure integrated with native Azure services. This architecture model ensures consistent infrastructure and operation across any private and public cloud, including Microsoft Azure.

DRIVE VALUE ON AZURE VMWARE CLOUD

Is AVS a good Fit?

Azure VMware Solution

- 1 Are you managing virtualised on-premises workloads?
- 2 Are you **using Azure Services**?
- 3 Are you **planning to move to Cloud**?
- 4 Are you looking to **evacuate/consolidate data centres**?
- 5 Do you have a **datacentre co-location/end of lease/mandate to move to the Cloud**?
- 6 Do you have any **in-flight Cloud Migration?** Workloads/VMs that cannot move to Cloud (OS versions, fixed licensing)

Fit for Purpose



Faster Path to Cloud

Support mixed application workloads - Legacy can continue to run in VMware, allowing AVS on a consumption basis.



Exit/Consolidate Data Centre

Platform designed to support data centre exit strategies – providing a ramp off to AVS.



Cost-effective, on-demand DR

Eliminate secondary DR capabilities, fully integrated with auto scaling to achieve RTO targets.

Fit for Use



Pay as you Go

No minimum commitment, pay per hour.



Secure

Private cloud security supported by Azure and VMware.



Scalable

Ramp up and down as you need.



Data Sovereignty

Leveraging local Azure regions with Low Latency



High Availability

Up to 99.999% availability with low latency – supports DR.

DXC STANDARD AND ENHANCED AVS SERVICES

AVS Standard

Base

- Included as part of DXC Azure Managed Services
- vCenter and vSphere management, vSAN, and NSX-T
- Managed VMs and ITSM
- Antivirus. MS Windows Defender
- Backup – MABS Microsoft Azure Backup Server
- Azure Arc
- Azure Update Manager
- Azure Monitor



AVS Enhanced Services

Modular

- Enhanced NSX-T and Distributed Firewall DFW
- Enhanced Security
- BYO Antivirus or Hypervisor Based AV
- BYO Enhanced Backup (including Vault Dedupe)
- Enhanced ITSM and Service Catalog
- Disaster Recovery
- Enhanced File Services (Azure NetApp Files, Pure Storage)
- Enhanced VMware Tooling (i.e. vRA/vRO/vROps and DXC Managed Multicloud)

DXC AND AVS DIFFERENTIATORS

1. DXC provides the breadth of Enterprise expertise to enable seamless integration
2. DXC service supported by Microsoft, backed and cloud verified by VMware
3. AVS is a VMware Integrated form of Azure with Comprehensive Management
4. It runs in the customers tenancy
5. Available in over 24 regions – plus one Gov Cloud Region in Preview
6. It has a higher technical spec than other Hyperscalers - greater capacity for your money
7. Landing Zone uses Microsoft Native Tooling as a base including Arc. Reduces complexity
8. Flexible to align with your requirements

WHY DOES AVS MAKE SENSE?



Best of Both Worlds

VMware's enterprise software combined with the flexibility and speed of Azure



Zero Refactoring

Lower migration cost and time reduced from years to months



Existing Skills

Increased savings in operations and training by leveraging expertise already in place



Cloud Economics

Lower TCO vs traditional on-premises environments from infrastructure and operational savings

Maximum Flexibility

"With VMware Cloud on Azure, we've rediscovered the performance and autonomy that our on-prem architecture gave us, along with all the related benefits in terms of migration, maintenance and subsequent management.

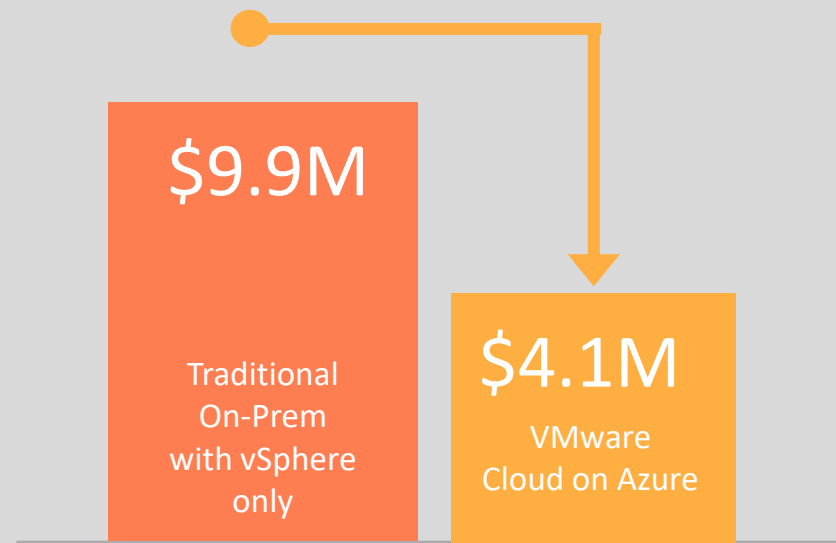
Today, we can transfer a workload at the drop of a hat, without service interruption, from a data center to the cloud and vice versa, the way we used to on premise from one cluster to another – something that isn't possible with a public cloud"

HEAD OF INFRASTRUCTURE AND OPERATIONS

WHY VMWARE CLOUD ON AZURE: COMPELLING ECONOMICS AND SPEED



Lower TCO than
traditional data center
Three-year comparison for 3,000 VMs



59%
Recurring savings:
Infrastructure
+ operations

Source: The Total Economic Impact™ Of VMware Cloud On Azure, commissioned study conducted by Forrester Consulting on behalf of VMware



Faster and lower cost to migrate
vs. native cloud

Save
57%
by eliminating
costly rework and
refactoring

Reduce migration
times from years to
months




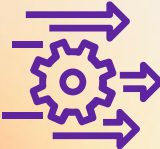








Sources: IDC, The Business Value of Running Applications on VMware Cloud on Azure in VMware Hybrid Cloud Environments, Sponsored by VMware, October 2020; Hybrid Cloud Trends Survey, The Enterprise Strategy Group, March 2019 (N=309)

DXC and VMware: Partnership At-a-Glance

<p>17+ Year partnership</p> 	<p>4,000+ Certified VMware professionals</p> 	<p>>\$10M Invested jointly per year</p> 	<p>9+ Joint solutions</p> 
<p>85%+ Virtual machines on VMware</p> 	<p>DXC Technology solutions leverage VMware technologies to modernize data centers, manage multiclouds, modernize apps, empower the digital workspace and transform security. VMware — partnering with DXC — brings our customers business transformations to life.</p> 		<p>Global coverage</p> 
<p>ELA In place covering all software solutions</p> 			<p>Leader DXC is the market leader in Cloud, ITO and Application Services. VMware is leader in Cloud, Security and Modern Applications</p> 
<p>Quarterly CEO business reviews</p> 			<p>1,000+ joint customers worldwide Both DXC and VMware are industry powerhouses. We have over a vast ecosystem of partners to design, build, deliver and support digital transformation solutions.</p>



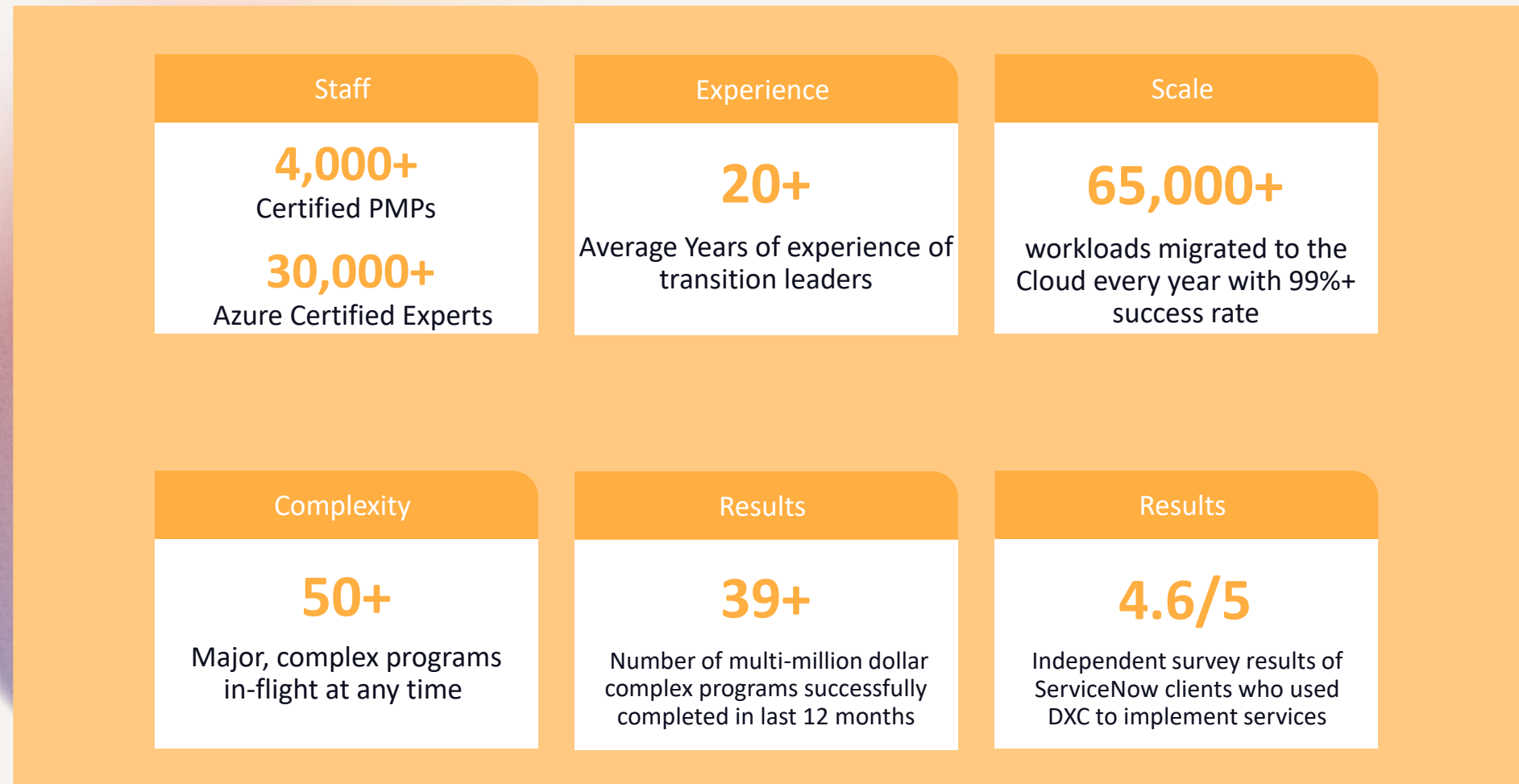
DXC MIGRATION / MODERNIZATION CREDENTIALS

800 Migration / modernization customers 	70,000 Workloads migrated annually 	47,000 Workloads migrated to cloud annually 
510,000 Workloads migrated successfully 	99.84% Successful migrations 	17,000 Cloud Applications migrated annually 
2,000 + 65K Migration specialists plus applications resources 	1,400 Agile Squads dynamically formed annually 	200 partner network with best-of-breed partners 
1,000 Cloud Journey workshops facilitated 	2B Lines of code treated through application transformation factories 	1,200 Private cloud installations worldwide 

- DXC is identified as a leader in public cloud and application modernization by leading industry analysts
- Full spectrum of migration/modernization treatments, from low-touch moves to complete application modernization
- Extensive knowledge/skillset base for all legacy technologies, as well as next-generation platforms

TRANSITION & TRANSFORMATION

QUICK FACTS

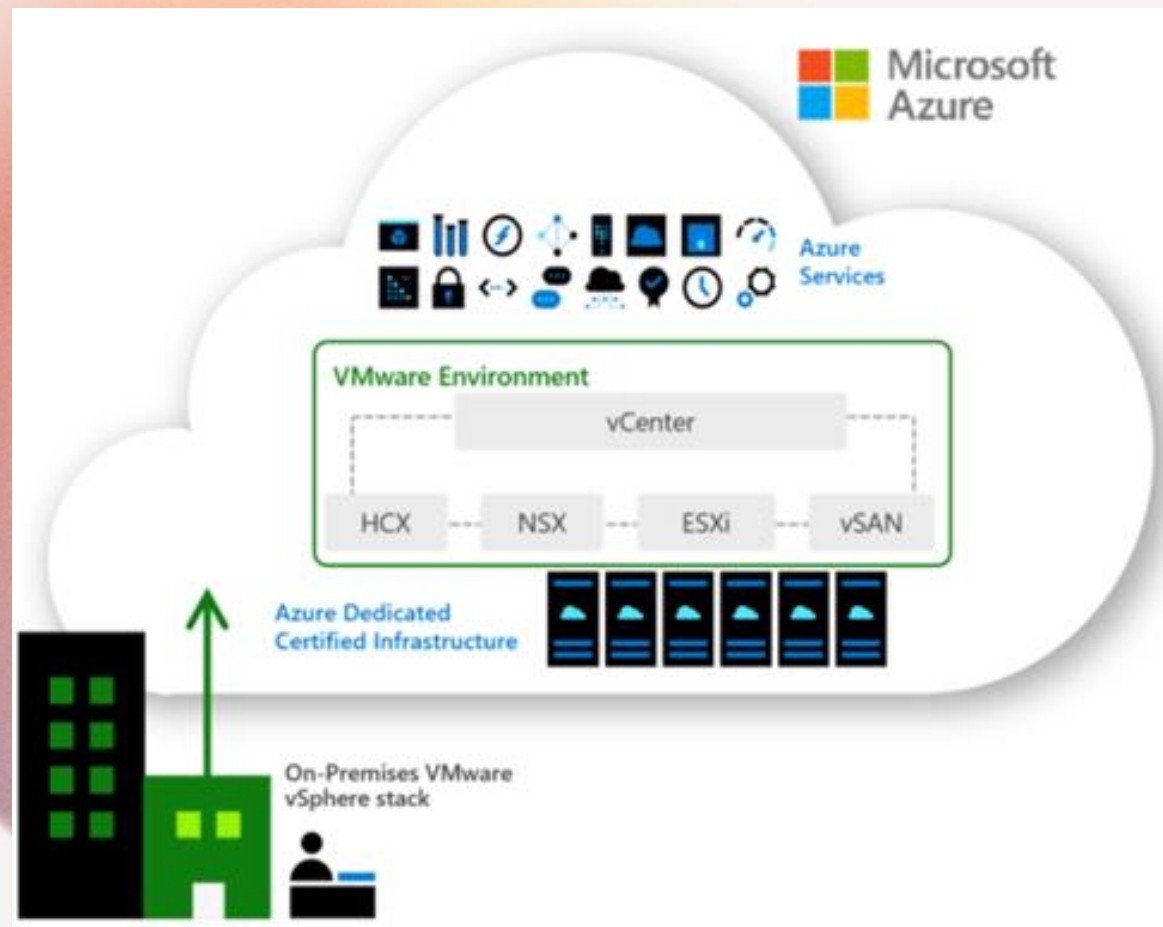


DXC has one of the most robust methodologies and visions for outsourcing deal implementation. Beyond the sheer volume of codified processes, its implementation management processes make operational sense, are extremely detailed, and have been tested across regions, verticals and time.

- The Forrester Wave Vendor Summary

AZURE VMWARE SOLUTION (AVS)

Azure VMware Solution (AVS) is a service that allows the provisioning and execution of a full VMware vCenter environment on Azure. vCenter is VMware's hybrid cloud platform for managing virtual machines and orchestrating containers, where the entire stack is based on a hyperconverged infrastructure (HCI). This architecture model ensures consistent infrastructure and operation across any private and public cloud, including Microsoft Azure.



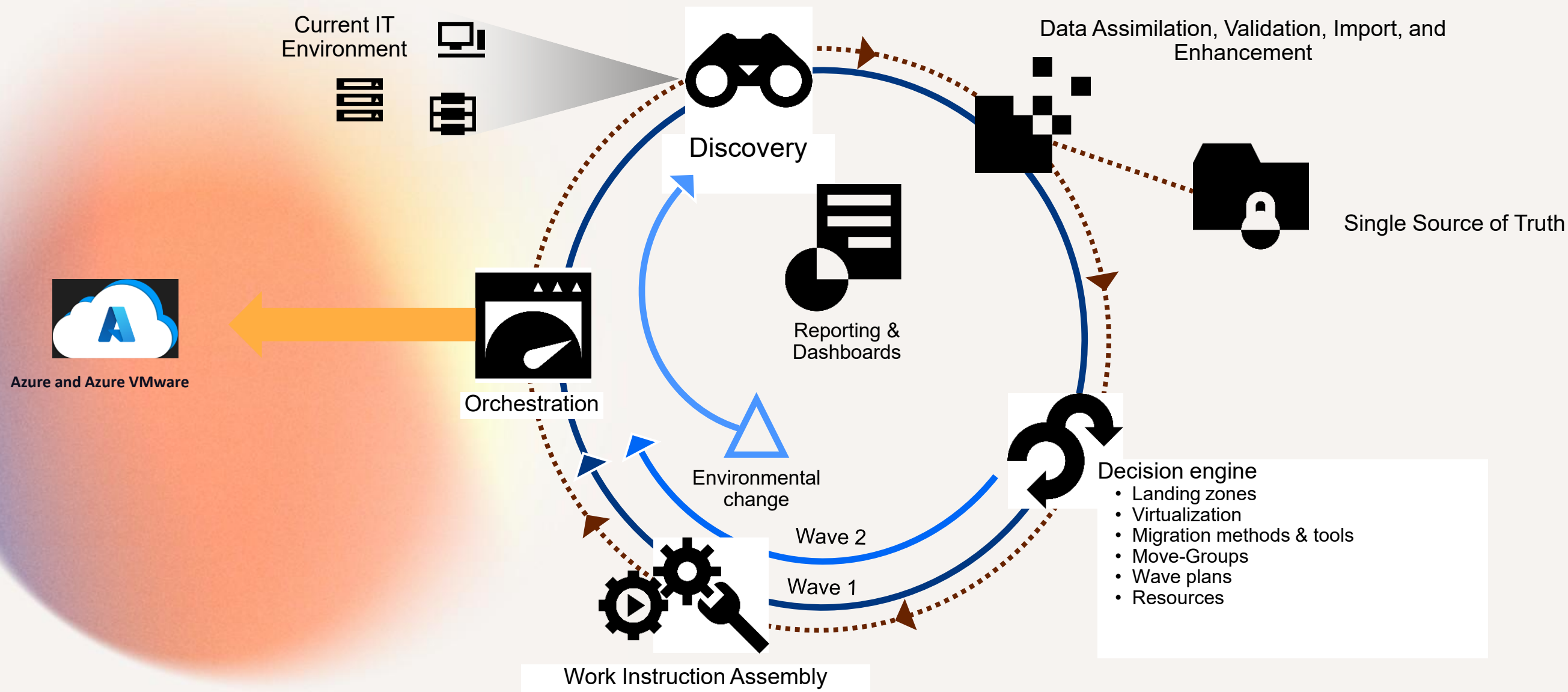
An Azure VMware Solution Private Cloud includes

- Dedicated server nodes provided with ESXi VMware hypervisor
- vCenter server for managing ESXi and vSAN
- VMware NSX-T software defined networking for vSphere VMs
- VMware vSAN datastore for vSphere VMs
- VMware HCX for workload mobility management

AZURE VMWARE SOLUTION (AVS)

MOVE2CLOUD - DXC APPROACH

Applications Migration activities : Agile Methodology to migrate to Azure



AZURE VMWARE SOLUTION FEATURES

Familiar VMware technology

- Native vSphere support
- Fully featured networking stack
- vSphere management, vSAN, and NSX-T
- HCX Enterprise available to support migration

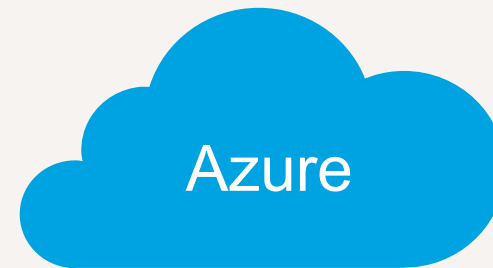
Integration with Azure

- Management
- Security
- Low-latency connectivity to Azure
- Leverage Azure ecosystem
- Single point of support
- DevOps toolchain

High performance cloud infra

- Optimized elastic infrastructure
- Automated self-service provisioning
- Dedicated, isolated, bare metal infrastructure
- Redundancy and placement control
- Security and encryption

MICROSOFT AZURE INFRASTRUCTURE DESIGNED FOR EVERY WORKLOAD



Azure

Modern Apps Business Critical Dynamic and Scalable

Azure native IaaS and PaaS offerings

AI Monitoring DevOps
Dev and Test Backup Security

Seamless integration with other Azure Services

CRAY VMware[®]
Skytap for IBM Power SAP[®]
NetApp NUTANIX

Purpose-built Azure for platform continuity

VMWARE ON AZURE USE-CASES

Aligning intended use to long term cloud strategy



Application Modernization

Application modernization

New application build-out

Hybrid applications

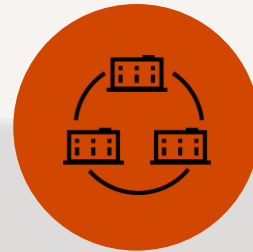


Cloud Migrations

Application-specific BCA | Virtual Desktops

Data center wide

Infrastructure refresh

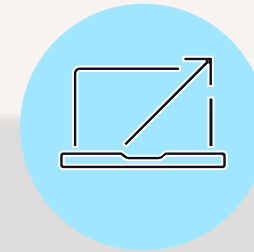


Datacenter Extension/ Migration

Footprint expansion / On-demand capacity

Virtual Desktops / Published Apps

Test/Dev

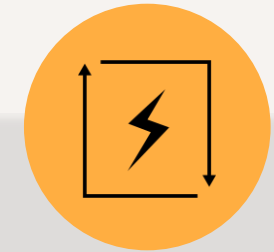


Virtual Desktops

Desktop bursting

Disaster protection

Desktops as a Service



Disaster Recovery

New DR

Replace existing DR

Complement existing DR

Hybrid and Multicloud

Managed Services for VMware Everywhere (Managed Multicloud)

CUSTOMER JOURNEY ALSTOM

Issue: When Alstom's train signaling testing system was hampered by lengthy implementation times and huge data center costs, threatening its capacity to accelerate revenue and meet its sustainability commitments, it turned to DXC and VMware for help.

Solution: One of the first deployments of Azure VMware worldwide – a fast, new, cutting-edge service with massive scale-out and global reach, empowering 2,000 engineers to work from anywhere and implement state-of-the-art systems that move people and goods around the world.

We provided agility by enabling VMWARE AVS & Cloud Director Services solution in Public Azure Cloud environment during the COVID health crisis allowing business to speed up their digital transformation.

Stephane Torlet, Chief Technology Officer, EMEA, DXC



CUSTOMER JOURNEY ANONYMOUS FLOORING COMPANY

Issue: Strategic project for a European flooring company as two datacenters are reaching end of life. End of hardware support and end of Microsoft Office, OS and SQL licenses by a fixed timeline.

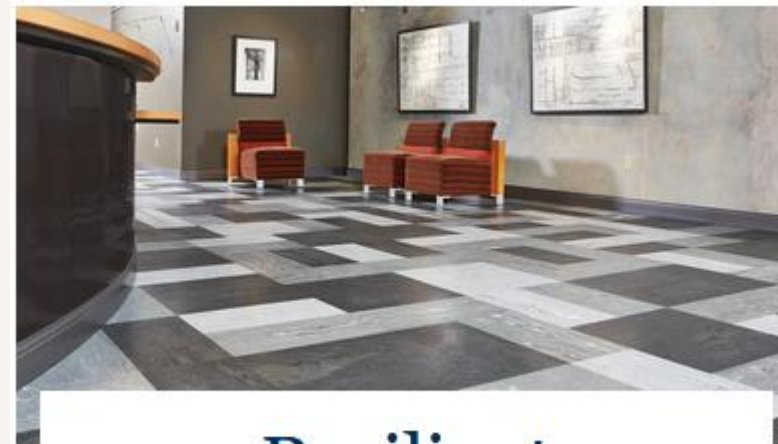
Critical action had to be taken to migrate the two of the company's datacenters to Azure Cloud by 31st of December 2022.

The large scope of Virtual Machines hosted in the two datacenters, represented roughly 140 unique applications. These applications have heterogeneous complexity and interfaces with peripherals.

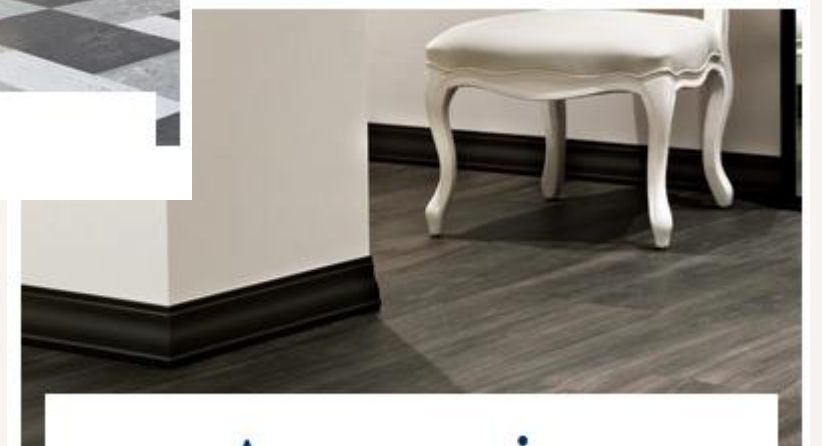
Solution: Our Azure AVS solution was deployed to build and configure the AVS clusters to ensure project completion.



Soft Surface



Resilient



Accessories

CUSTOMER JOURNEY

ANONYMOUS PHARMACEUTICAL COMPANY

Issue: Global pharmaceutical manufacturer's VMware infrastructure had to be moved to a new tenant, for legal reasons.

Solution: DXC set up a temporary 3-node AVS private cloud (initially foreseen for about 6 months), connected to an Azure hub.

The customer's VMs were exported from the datacenter and the export files moved to an Azure storage account.

From there, they were imported into AVS, powered on and adjusted with new IPs etc.

The migration and transformation teams are now working on the second migration of these VMs into Azure-native compute services. Once complete, the AVS will be decommissioned.

