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BUSINESS TODA



Migration to Azure

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Connected World. Connected Experiences.

When it comes to Azure, we are the experts.

NLS #1 Gold Partner for Apps, Data and Security

Azure Arc Launch Partner

Solution Assessment Partner

atmosera.

EY Building a better

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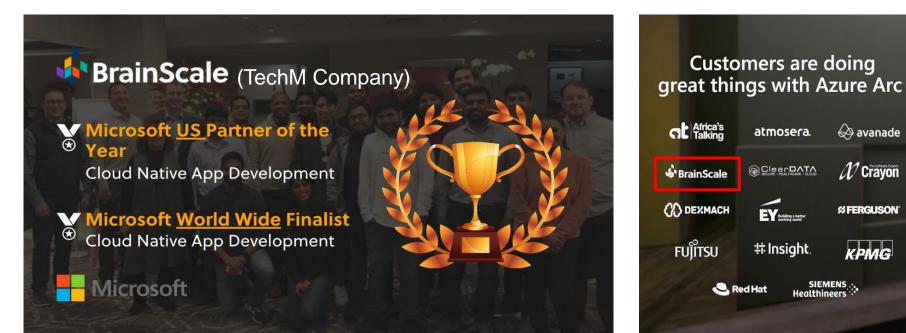
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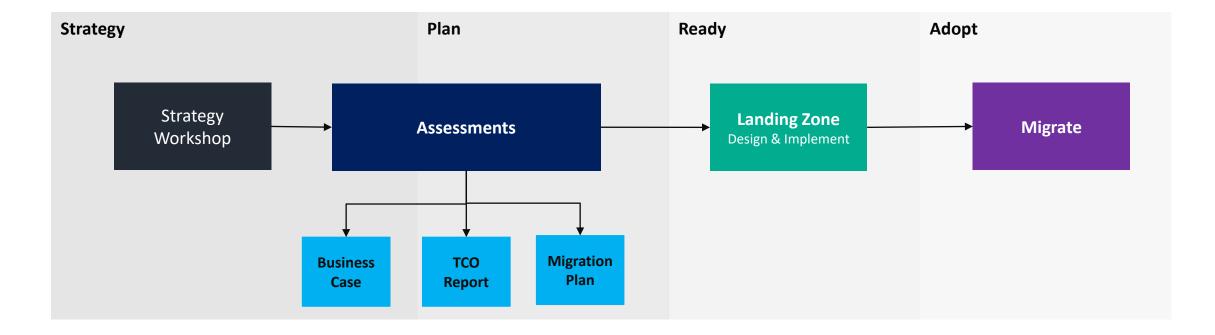
Microsoft Audited Advanced Specializations on Azure:



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AVS Migration Approach CAF Aligned Methodology

Cloud Migration Approach A Microsoft Cloud Adoption Framework (CAF) aligned approach







AVS Offering

Phase 1: Workshop & Assessment

Workshop & Data Gathering

- •Assess VMware environment
- •Collect data and metrics
- •Identify workloads to migrate
- •Use Azure Migrate/RVTool/vRops, to capture additional information

Analysis

- Target environment sizing for AVS
- Best practices for Azure VMware Solution adoption
- TCO analysis of target state
- Migration and transformation
 options and recommendations

Deliverables

- Migration Approach & Roadmap
- Recommendations for utilizing native security and network services
- TCO Report





AVS Offering

Phase 2: Planning, Design & Migration

Landing Zone Design	Migration Planning	LZ Implementation	Prepare to Migrate	Test Migration (POC)	Migration Factory
 Network & Connectivity Define Network Topology Define Connectivity Strategy between DC & Azure (VPN / Express Route) Define VMware HCX network segments Identify Routing requirements Identify DNS & DHCP Considerations for AVS 	 Move Group Planning Identify Workloads based on Assessment outcome Define Migration Approach Live/Bulk/Cold based on business needs Create a Move Group Plan Create a Migration POC Plan for 5 Non- Production VMs: 3 VMs needing Bulk & 2 VMs needing Live migration 	 AVS Resource Creation Initiate AVS Resource Creation request with Microsoft LZ Implementation Implement Azure LZ as designed Configure Azure DNS forwarder Create new RG & vNet for AVS private cloud Deploy Jump Server for accessing AVS vCenter and NSX-T 	 VMware HCX Deploy HCX connector in on-premise vCenter Establish connection between HCX enterprises to HCX connector Create compute, network profile configuration. Create Service mesh configuration Configure L2 extension with mobility optimization feature for Live migration 	 Verify ESXi network, vMotion Initiate bulk, Live migration for 5 VMs identified Monitor the network performance Monitor VM performance for 2 days Initiate reverse migration with bulk & live migration Monitor performance of reverse migration Create POC Success Report 	 Ensure 1 Gbps of bandwidth is dedicated for migration Create Move Groups of 25 VMs for Bulk/Live Migrations Initiate Migration Monitor Migration Cutover & Go-Live Support Post Migration Support Knowledge Transfer & Handover

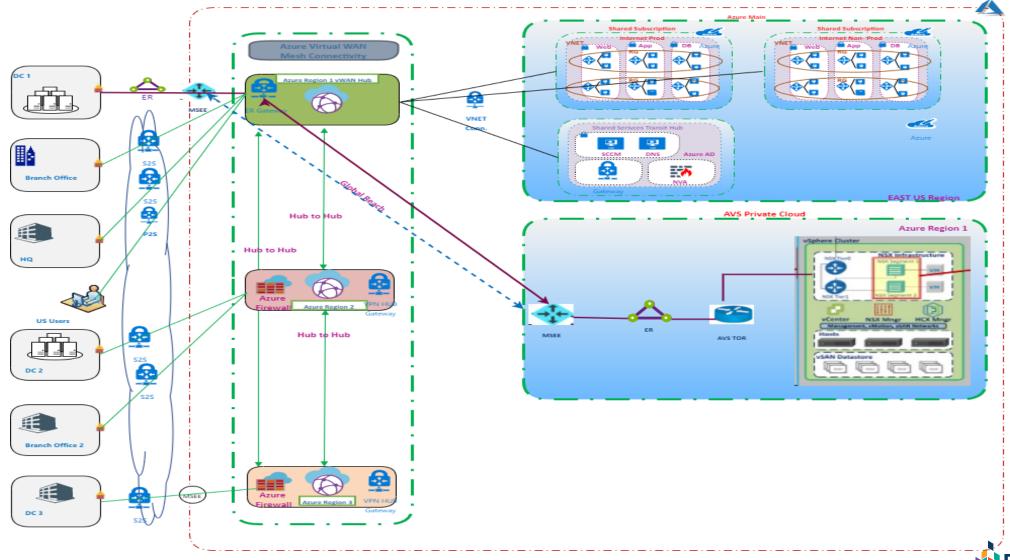
3 Weeks

*4 weeks is the estimated migration time assuming 100 VMs. The timeline will vary based on the number of Servers to be migrated

1 Week

4+ Weeks*

AVS Solution Reference Architecture



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AVS Case Study Global leader in analytical instruments and software

On-prem legacy applications running on out of support OS

No support available from Application teams , No knowledge of many applications by IT team

- Business looking for migration of application with Zero changes (retain same IP's, consistent machine format, same SLA)
- On-prem VMware environment refresh needed and data center footprint reduction

Our Solution

Business

Challenge

Landing Zone Creation

- Azure Main Landing Zone creation as per Microsoft Best Practices
- Creation of AVS Private Cloud

Networking/Security

- Design/Implementation of Azure vWAN
- Connectivity via Prisma Cloud/ER/S2S
- ER Global Reach connection to AVS .

On-Prem Workload Assessment

- On-prem workload assessment using Movere
- Analysis of Applications
- Decision Matrix of AVS vs Azure Main

Migration Phase

- Dependency mapping/ Application assessment
- Migration Planning (Wave based Migration)
- V2V migration of VM's
- Post Migration/Break Fix Support

At Scale:

- Seamless migration to same platform (extension of DC)
- On-Premises Asset Assessment and 6R Analysis
- Financial Projections for Cloud footprint
- Project Planning, Cost Control and Risk Assessment
- Security and Compliance
- Planning for Landing Zone and Network Layout
- BCDR planning in Cloud
- Factory based Migration from On-Prem to Cloud
- Zero downtime
- Wave based migration
- Post Migration Support



Solution Assessment for 900 Servers



Decision Matrix



Factory Based migration approach

70% increase cloud adaption



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Thank you

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