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Microsoft

Cloud4C Services for Azure VMWare Solutions (AVS)

Benefits of Azure VMware Services

Lower TCO
- Lowers the operation cost by 37%. Gets RI for 1 year with nearly 29% and 3 year with nearly 50%

Extended DC
- AVS can be used as extended DC.
- AVS can be used for DR.
- Migrate your existing workloads to AVS and setup DR in different region on AVS.

Modernization
- Move workloads on AVS and modernize at own pace.
- Keep your legacy systems/application on AVS and move rest to Azure.

Azure Integrations
- Integrate your application on AVS with Azure Native Services and get benefits with your existing applications.

Management
- Managed service provided by Microsoft.
- Avoid H/w refresh cycle in every 3-5 years.
- No need for additional learning curve for your teams

Cloud4C Azure VMware Solution Overview

Use cases

- Datacenter Expansion, Reduction, Cloud Adoption (IaaS) or Retirement
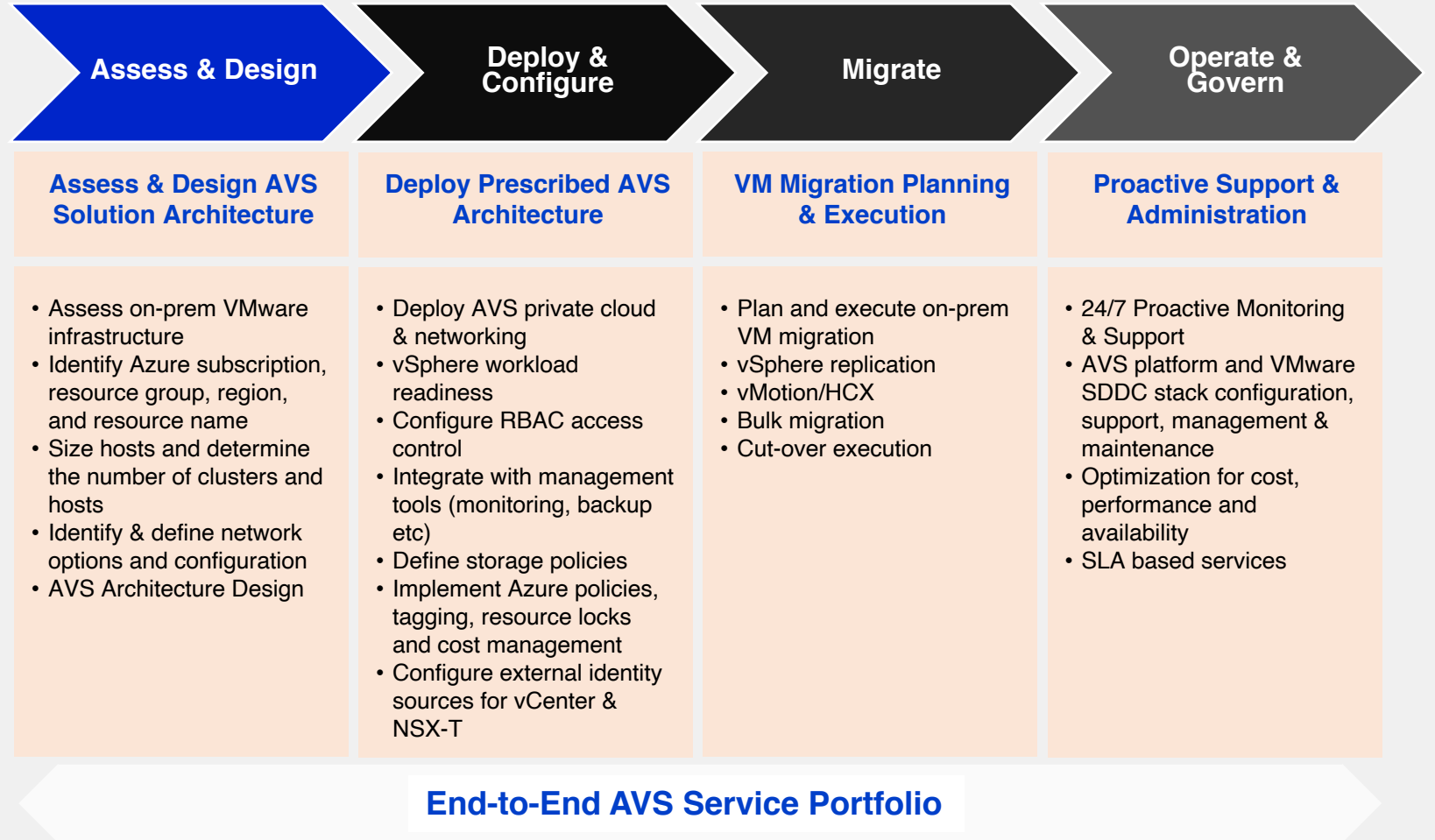- Disaster Recovery and Business Continuity
- Speed and Simplification of Migration/hybrid cloud
- Azure Cloud Native Services Integration
- Application Modernization, development and testing

Assess & Design	Deploy & Configure	Migrate	Operate & Govern
Assess & Design AVS Solution Architecture	**Deploy Prescribed AVS Architecture**	**VM Migration Planning & Execution**	**Proactive Support & Administration**
• Assess on-prem VMware infrastructure • Identify Azure subscription, resource group, region, and resource name • Size hosts and determine the number of clusters and hosts • Identify & define network options and configuration • AVS Architecture Design	• Deploy AVS private cloud & networking • vSphere workload readiness • Configure RBAC access control • Integrate with management tools (monitoring, backup etc) • Define storage policies • Implement Azure policies, tagging, resource locks and cost management • Configure external identity sources for vCenter & NSX-T	• Plan and execute on-prem VM migration • vSphere replication • vMotion/HCX • Bulk migration • Cut-over execution	• 24/7 Proactive Monitoring & Support • AVS platform and VMware SDDC stack configuration, support, management & maintenance • Optimization for cost, performance and availability • SLA based services

End-to-End AVS Service Portfolio

Azure Packages – Azure VMWare Service

Service	Scope	Prerequisites	Implementation Timeline
Azure VMWare Service			
Azure VMWare Services PoC	**Azure VMware services PoC** **Scope:** <=20 guest OS instances from on-prem dev/test env with 100 GB max storage) for the Migration and will be finalized during PoC Scope finalization. **Discover and assessment** of VMware environment on source side covering - Current VMware cluster configuration (validation of minimum requirements, identification of risks) - Existing network topology / connectivity infrastructure (documentation of address spaces, NSX/BGP/DHCP/DNS configurations, etc.) **Blueprint:** Assessment & migration of the identified agreed on-prem VMware workloads - AVS Environment readiness for the PoC - POC design (AVS private cloud, Azure vnet, and AVS cluster design, identification of target workloads) - Creation of architecture design documentation and diagrams, and associated Azure cost estimates **POC Execution :** • Migration of on-prem VMware VMs through HCX.NSXT configuration • System testing/validation, documentation.	• Azure subscription associated with a Microsoft Enterprise Agreement (EA) or a Cloud Solution Provider (CSP) Azure plan • Dependant Connectivity between on-premise and Azure that meets HCX underlay minimum requirements • AVS requires a /22 CIDR network that does not overlap with any existing network segments deployed on-premises or in Azure • Azure ExpressRoute is required to leverage VMware Site Recovery Manager for disaster recovery ** • Tenant Admin Access granted to implementation team • Details and Naming convention for Vnet, Subnet, VM will be provided • Identifying the workloads for PoC	**5-8 Weeks**

Thank You for Your Time

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Cloud4C is a global cloud managed services provider serving 4000+ enterprises including 60+ of the fortune 500 multinationals in 26 countries spread across Americas, Europe, Middle East, APAC. Equipped with 25 Centers of Excellence, 2000+ skilled and certified cloud experts, comprehensive cloud security framework comprising 40+ security controls, pre-met compliances with leading industry regulations, Cloud4C offers specialized cloud solutions across industry verticals with a single SLA up to application level. Cloud4C has expertise in managing mission critical cloud workloads across Hybrid and multi-cloud environments and successfully delivered cumulative uptime of 99.99% for complex enterprise applications Such as ERP, CRM, BI & BW, Core Banking, Custom Applications etc.

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