

This Reference Architecture highlights the value of extending an On-Premises architecture and procedures to VMware Cloud on AWS for operational consistency of end-to-end services while leveraging Native AWS innovation.

- 1 Deploy **Networking and Security Services**
  - Layer 3 VPN (IPSec) = Policy-Based / Dynamic Routing
  - Layer 2 VPN = Maintain IP Address during Migration
  - Leverage Native AWS Network and Security Services (I.e. Direct Connect)
- 2 Enable **Hybrid Linked Mode (HLM)** for Operational teams to have a Common User Interfaces for Support.
- 3 Link the **Content Library Services** in order have a Common Image/Template Repository.
- 4 Migrate with **Hybrid Cloud Extension (HCX) Service**
  - Managed “as-a-Service” Solution
  - Automates L2VPN Extension to VMware Cloud
- 5 Migrate VM’s via **vMotion Services**
  - Consistent Operational Model as OnPremises
  - Live / Cold Migrations Supported
- 6 Leverage **Disaster Recovery “as a Service”**
  - Based on Site Recovery Manager (SRM)
  - Automates Runbook Failover/Failback
- 7 Determine Need for **Data Migration Services**
- 8 Verify if **Data Protection Services** are Required
- 9 Determine Location of **Infrastructure Services**
  - Self-Managed (On-Premises, VMware Cloud on AWS)
  - Managed Platform (Native AWS)
- 10 **Operational Services**
  - vRealize Suite (vRA, vRO, vROps)
  - Automate VM Deployment in VMC with vRA Proxy
  - Forward Logging Details between AWS CloudTrail, Log Intelligence, and Log Insight (On-Premises)
- 11 Expand **Management and Governance Services**
  - CloudHealth – Multiple Cloud Services
  - CloudWatch – Native AWS
- 12 Leverage **Technical Support Services** – VMware for Primary Support / AWS for Secondary Support
- 13 Review the Available **Native AWS Services** that can be Leveraged in the Current Cloud Environment

