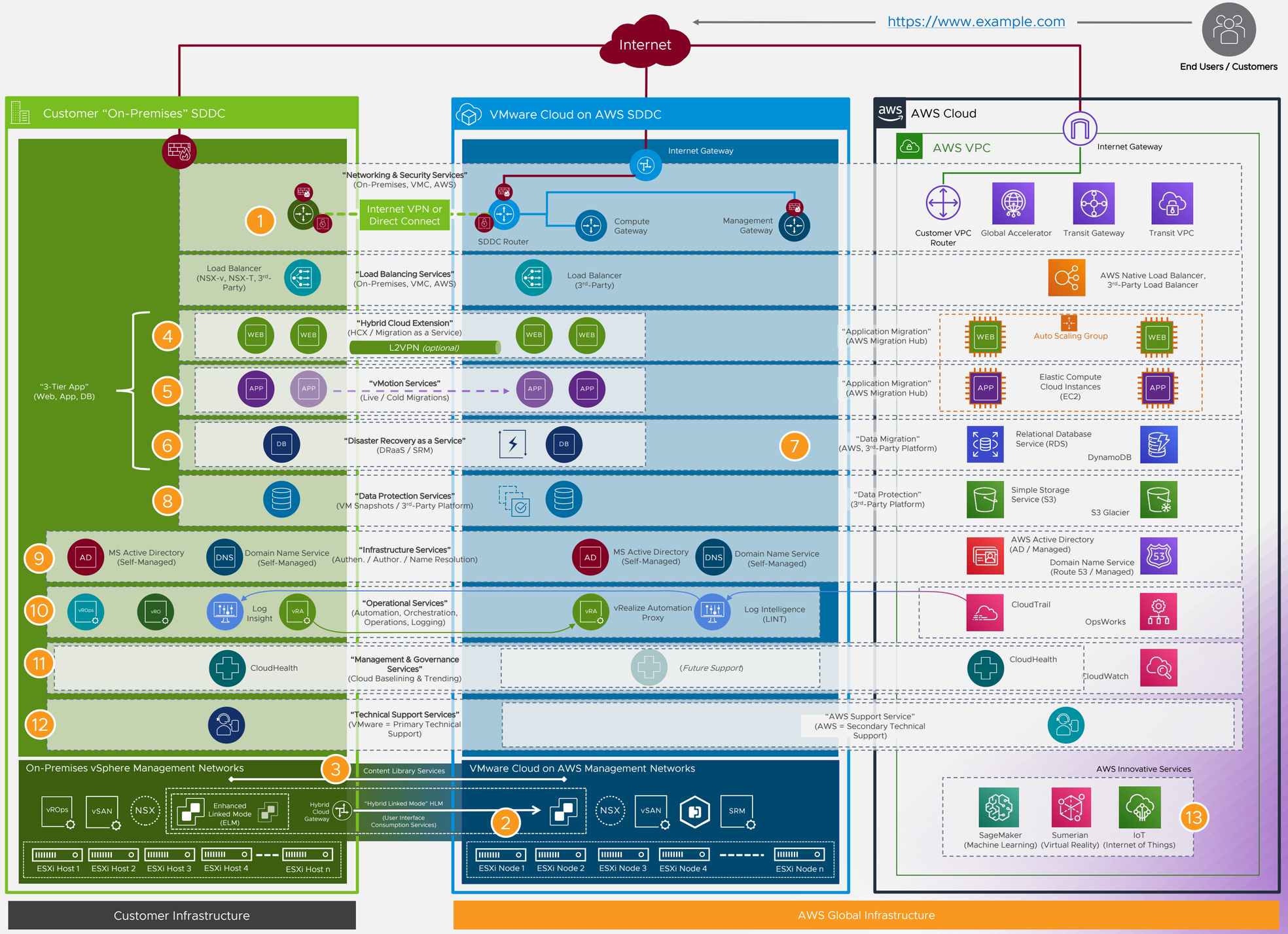
VMware Cloud™ on AWS - Reference Architecture

VMware Cloud on AWS Hybrid Cloud Services for Operational Consistency

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**
    - vRealise 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



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