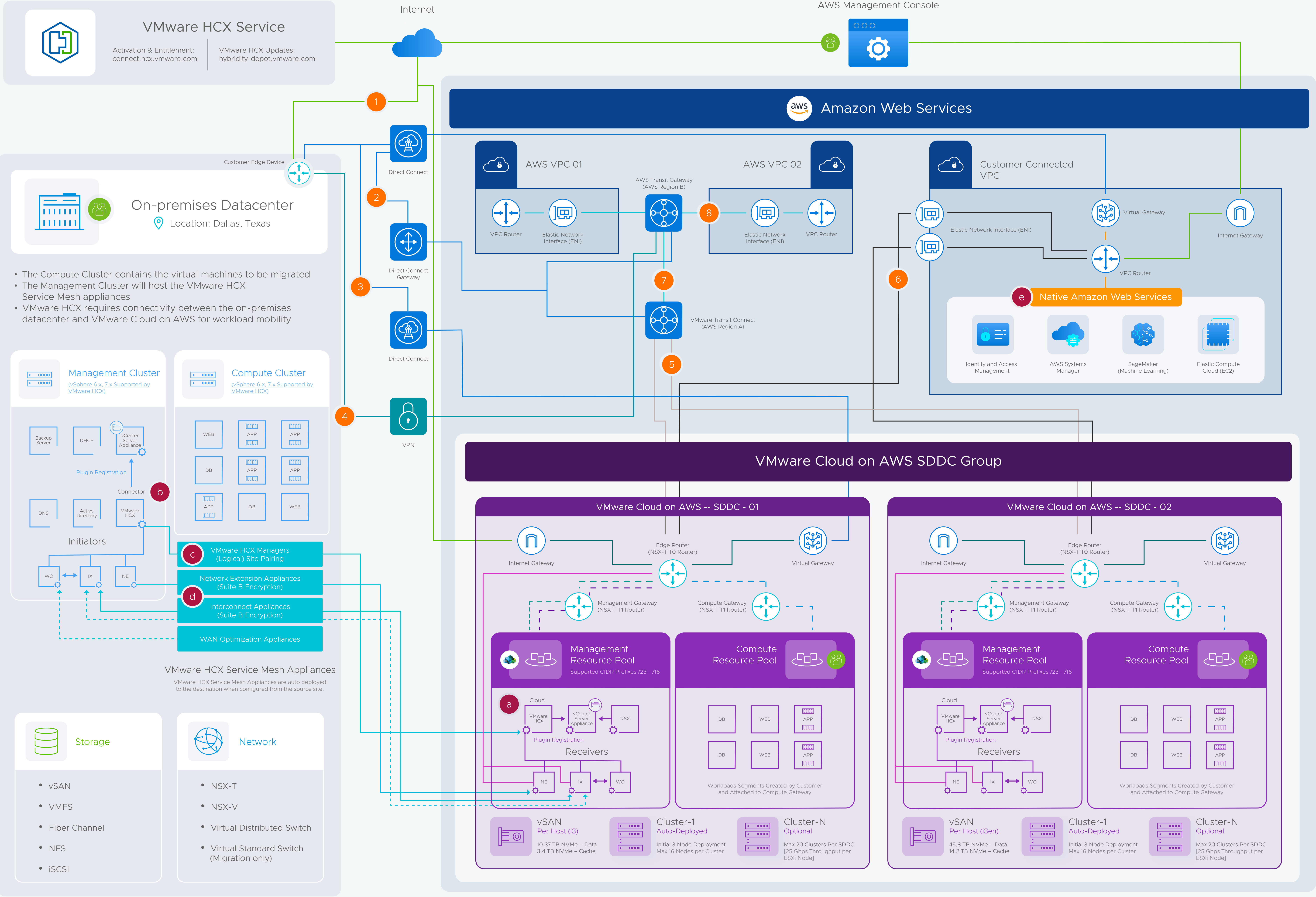


# VMware Cloud on AWS Logical Design

## for Workload Mobility



Try VMware Cloud on AWS with VMware Hands-On-Labs

### Network Connectivity Options

On-Prem < -- > VMware Cloud on AWS SDDC

- 1 Use the public Internet
- 2 Use VMware Transit Connect through a Direct Connect Gateway
- 3 Use Direct Connect that connects directly to the virtual gateway in the VMware Cloud on AWS SDDC
- 4 Use VPN (Note: For HCX services, the VPN must not terminate on the NSX Edge in the VMware Cloud on AWS SDDC)

VMware Cloud on AWS SDDC < -- > VMware Cloud on AWS SDDC

- 5 Use VMware Transit Connect

VMware Cloud on AWS SDDC < -- > Connected VPC

- 6 Use direct connection through ENI

VMware Cloud on AWS SDDC < -- > Native AWS VPC

- 7 Use AWS Transit Gateway through the VMware Transit Connect (Note: only for inter-region connectivity)

Native AWS VPC < -- > Native AWS VPC

- 8 Use AWS Transit Gateway

### Workload Migration Steps Using VMware HCX

- a Enable the VMware HCX service in VMware Cloud on AWS.
- b Decide on using public or private IP for VMware HCX in VMware Cloud on AWS.
- c Configure appropriate firewall rules according to the [VMware HCX Networking and Port requirements](#).
- d Deploy and configure an HCX Connector in the on-premises vSphere environment.
- e From the on-premises HCX Connector, create an HCX site-pair with HCX Cloud deployed in the VMware Cloud on AWS SDDC.
- f Configure HCX Network and Compute profiles to provide details for the HCX appliances.
- g Create an HCX Service Mesh. This will automatically deploy the corresponding appliances in both on-premises and VMware Cloud on AWS SDDC.
- h Extend virtual machine networks with VMware HCX and use [Bulk](#), [vMotion](#), [Cold Migration](#) to migrate workloads from on-premises to VMware Cloud on AWS.
- i With VMware workloads migrated to the cloud, customer has direct access to other native AWS services.

### Legend

- AWS Direct Connect
- Internet Connection
- Workload Traffic
- vSAN Network
- Management & vMotion Network
- Customer Managed
- Content Library
- VMware Managed
- VMware Managed VMware HCX Service