

# Oracle Cloud VMware Solution



### VMware HCX Service

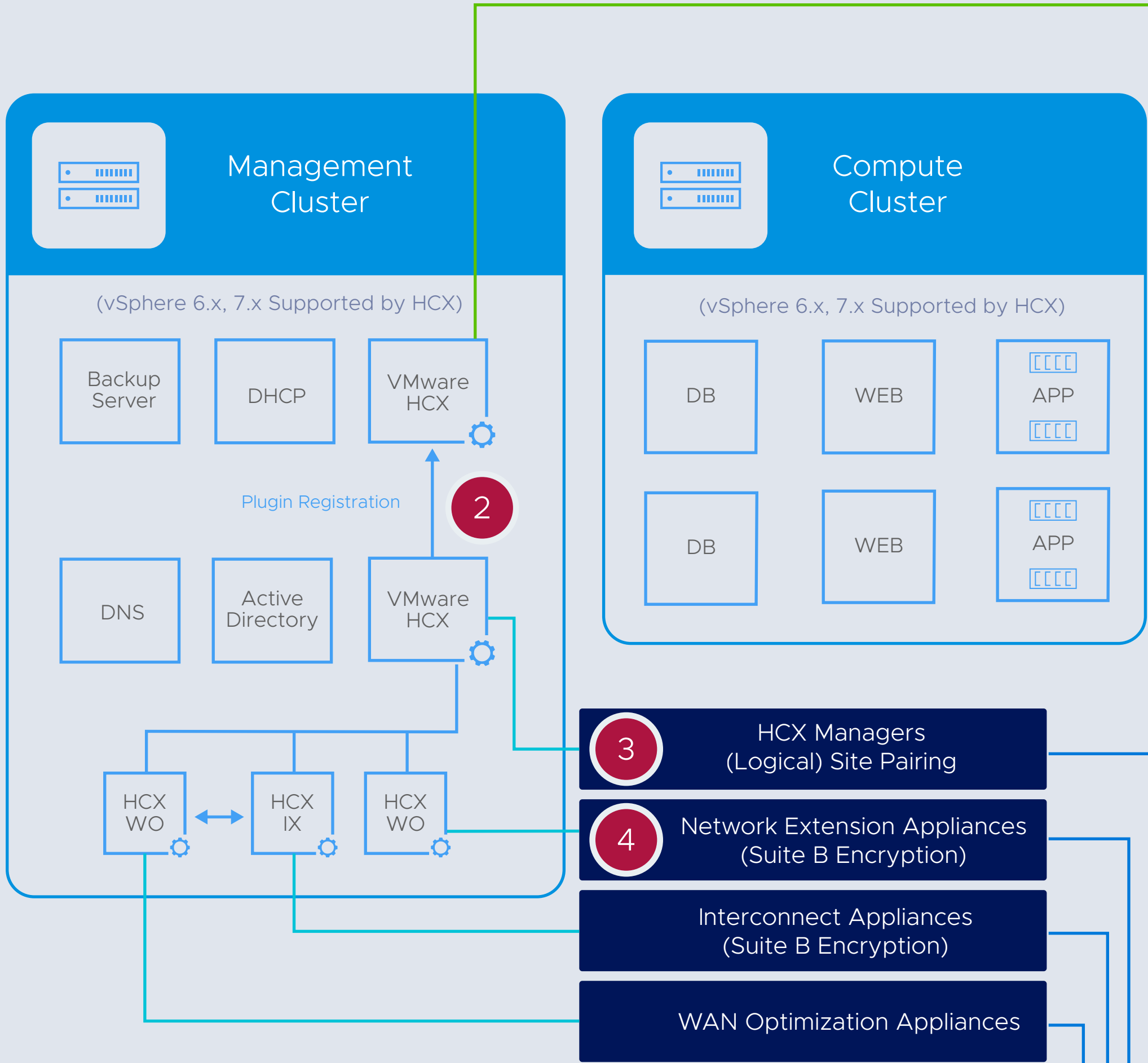
Activation & Entitlement:  
connect.hcx.vmware.com

VMware HCX Updates:  
hybridity-depot.vmware.com

### On-premises Datacenter

Location: US West (Phoenix)  
- Home Region

- Compute Cluster contains the virtual machines to be migrated
- HCX Deployment Cluster will host the HCX Service Mesh appliances
- VMware HCX requires Oracle FastConnect for workload mobility to Oracle Cloud VMware Solution or Site-to-Site VPN at VMware HCX 4.2



- 3 HCX Managers (Logical) Site Pairing
- 4 Network Extension Appliances (Suite B Encryption)
- Interconnect Appliances (Suite B Encryption)
- WAN Optimization Appliances

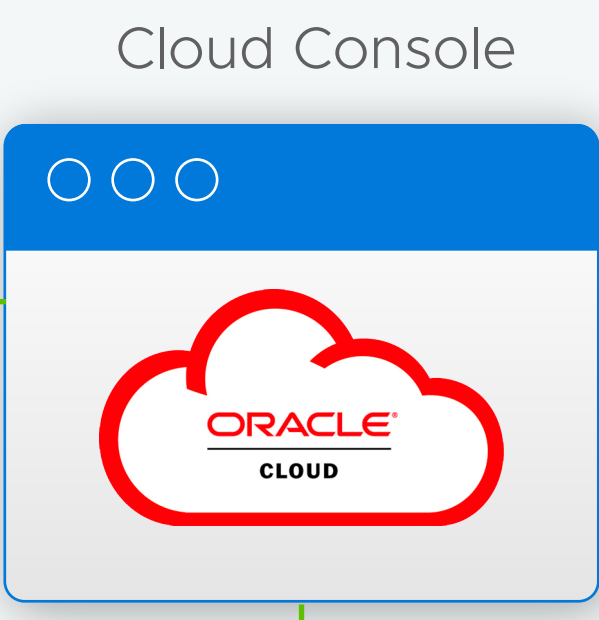
VMware HCX Service Mesh Appliances  
Appliances are auto deployed to the destination when configured from the source site.

### Storage

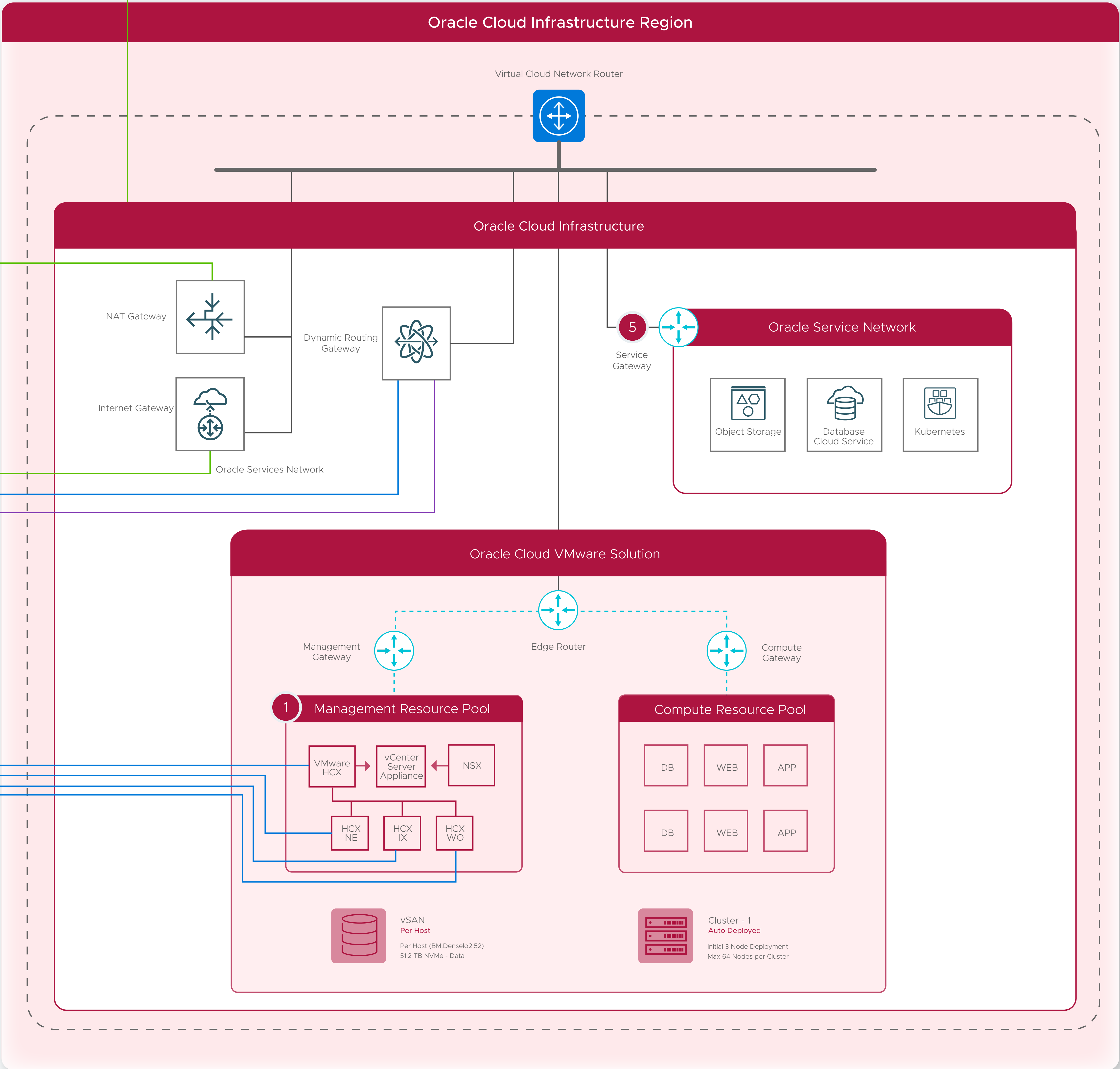
- vSAN
- VMFS
- Fiber Channel
- NFS
- iSCSI

### Network

- NSX-T
- NSX-V
- Virtual Distributed Switch
- Virtual Standard Switch (Migration only)



SOURCE	DESTINATION	TYPE	PORT	DESCRIPTION
Cloud DNS	On-premises DNS	UDP	53	DNS
On-premises DNS	Cloud DNS	UDP	53	DNS
On-premises Network	Cloud vCenter	TCP	80, 443	vCenter HTTP, HTTPS
Cloud Management Network	On-premises Active Directory	TCP	389	Active Directory authentication
On-premises vCenter Network	Cloud Management Network	TCP	8000	vMotion VMs from on-premises vCenter to Cloud vCenter



### HCX Connectivity Options (On-Prem SDDC)

- a FastConnect
- b Site-to-Site VPN (requires VMware HCX 4.2)

### VMware HCX Migration Steps

- 1 Deploy Oracle Cloud VMware Solution with VMware HCX
  - Configure appropriate firewall rules according to the [VMware HCX Networking and Port requirements](#)
  - Configure appropriate routing
- 2 Deploy and configure the HCX Connector to the on-premises vSphere environment
- 3 In the on-premises HCX Connector, create an HCX site-pair with the Oracle Cloud VMware Solution HCX Cloud Manager
  - Configure the HCX Network and Comfiles to provide details for HCX appliances
- 4 Extend virtual machines networks with HCX and use [Bulk](#), [vMotion](#), [Cold Migration](#) to migrate workloads from on-premises to the SDDC.
- 5 With VMware workloads migrated to the cloud, customer has direct access to other native Oracle Services

### Legend

- FastConnect
- Internet Connection
- Site-to-Site VPN