Oracle Cloud VMware Solution

VMware HCX Service
Activation & entitlement: connect.hcx.vmware.com
VMware HCX Updates: hybridby-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
- VMware HCX requires Site-to-Site VPN at VMware HCX 4.2

Oracle Cloud Infrastructure Region

Oracle Cloud VMware Solution

VMware HCX Connectivity Options (On-Prem SDDC)

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

VMware HCX Migration Steps

- Deploy Oracle Cloud VMware Solution with VMware HCX
  - Configure appropriate firewall rules according to the VMware HCX Networking and Port requirements
  - Configure appropriate routing
- Deploy and configure the HCX Connector to the on-premises vSphere environment
- In the on-premises HCX Connector, create an HCX site-pair with the Oracle Cloud VMware Solution SDDC
  - Configure the HCX Network and Connectivity to provide details for HCX appliances
  - Create an HCX Service Mesh. This will automatically deploy the corresponding appliances in the Oracle Cloud VMware Solution SDDC
- Extend virtual machine networks with HCX and use Bulk vMotion
  - Cold Migration to migrate workloads from on-premises to the SDDC
- With VMware workloads migrated to the cloud, customer has direct access to other native Oracle Services

Oracle Cloud Infrastructure

- Storage
  - vSAN
  - VMFS
  - iSCSI
- Network
  - NSX-T
  - NSX-V
  - Virtual Distributed Switch
  - Virtual Standard Switch (Migration only)

VMware HCX Connectivity

- On-premises DNS
- Cloud DNS
- On-premises Network
- Cloud vCenter
- Cloud Management Network
- On-premises Active Directory
- Cloud Management Network

Networking and Port requirements according to the VMware HCX

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