VMware HCX requires connectivity between the on-premises Datacenter and VMware Cloud on AWS.

- The Compute Cluster contains the virtual machines to be migrated.
- VMware HCX requires connectivity between the on-premises Datacenter and VMware Cloud on AWS for workload mobility.

Service Mesh appliances

- VMware HCX Service Mesh Appliances
  - VMware HCX Service Mesh Appliances
  - VMware HCX Service Mesh Appliances
  - VMware HCX Service Mesh Appliances

Networking and Port requirements.

- Configure appropriate firewall rules according to the VMware HCX requirements and Port requirements.

Networking:

- Configure HCX Network and Compute profiles to provide details for the HCX appliances.
- Create HCX Networks and Compute profiles to provide details for the HCX appliances.
- Create an HCX Service Mesh. This will automatically deploy the corresponding appliances in both on-premises and VMware Cloud on AWS.

Migration:

- Enable the VMware HCX service in VMware Cloud on AWS.
- Decide on using public or private IP for VMware HCX in VMware Cloud on AWS.
- Configure appropriate firewall rules according to the VMware HCX requirements and Port requirements.

Connecting:

- Use direct connection through ENI.
- Use Direct Connect that connects directly to the virtual gateway in the VMware Cloud on AWS SDDC.
- Use direct connection through ENI.
- Use AWS Transit Gateway through the VMware Transit Connect (Note: only for inter-region connectivity).

VMware HCX and use Bulk, vMotion, Cold Migration to migrate workloads from on-premises to VMware Cloud on AWS.

With VMware workloads migrated to the cloud, customer has direct access to other native AWS services.