



VMware HCX

App Mobility and Infrastructure Hybridity Across Any to Any vSphere Cloud

AT A GLANCE

VMware HCX enables customers to link on premises environments to multiple clouds, creating a multi-cloud architecture. Once in place, HCX enables hybrid interconnect facilitates seamless migration, disaster recovery and hybrid scenarios with no retrofit/re-architecture of the source sites.

VMware HCX includes:

- Ability to extend, evaluate and consolidate on-premise data centers to VMware Cloud Providers to make use of additional compute without needing to change networking/security
- Use the HCX's hybrid interconnect to secure applications that span over on premise and cloud resources.
- Enables IaaS transformation by migrating workloads off older vSphere platforms to the latest SDDC in the cloud.
- Live/Bulk VM migrations enable complete data centers to be migrated to VMware Cloud Providers
- Sophisticated hybrid networking and replication mean workloads can be protected, between on premise to cloud and cloud to cloud. This is achieved by partial and full disaster recovery capabilities that VMware HCX provides.

KEY BENEFITS

- Tether any-2-any vSphere versions from legacy vSphere to next-gen vSphere 6.5 and above. Move to cloud without need to upgrade on premises vSphere
- High throughput secure network extension without need for NSX on premise, enabling workloads to be moved without changing IP or MAC address.
- Can work across multiple administrative domains (such as Enterprise to Cloud Provider) and without a need to join SSO domains
- Hybrid interconnect is WAN optimized, traffic engineering and intelligent routing make the WAN appear like a LAN
- Communication over the VMware HCX interconnect is encrypted using the Suite B standard for strong encryption
- Live vMotion to the cloud means no application downtime
- Bulk VM migrations mean 100s of VMs can be moved to the cloud at a time

What is VMware HCX

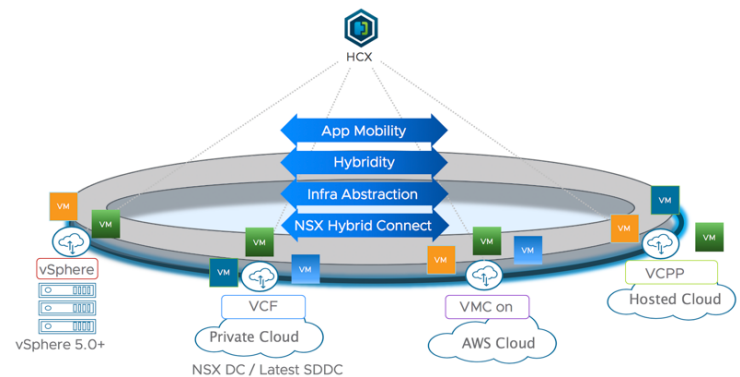
VMware HCX unlocks the cloud for on premises vSphere environments. Customers can build an abstraction layer between on premises data center and cloud providers. Once tethered together, networks can be stretched securely across the hybrid interconnect enabling seamless mobility of VMs. HCX enables hybrid capabilities in vCenter so that workloads can be migrated securely to and from the cloud.

VMware HCX leverages vSphere Replication to provide robust replication capabilities at the hypervisor layer, when this is coupled with HCX ability to stretch layer-2 networks, no intrusion at the OS or application layer is required. This approach to migration allows for VMs to be easily migrated bi-directionally, to and from the cloud, without any configuration modifications, such as, IP address, DNS, MAC address.

VMware HCX optimizes migration traffic with built in WAN optimization that has been optimally tuned for the high throughput.

With these capabilities, HCX becomes inherent to:

- Extend Data Center to the cloud - Seamlessly migrate on premises data center to the cloud
- Transform IaaS to the cloud - Migrate workloads from a simple vSphere platform to a full SDDC and make use of the enhanced capabilities
- Multi Cloud Applications - Freely move application components to span on premise and the cloud
- Modernize the Data Center - Bulk migrate all workloads to the cloud without requiring application modification
- DR to the cloud - Granularly protect on premise or cloud workload. Cost effective full or partial DR





Key Features and Capabilities

- Seamless application mobility between different VMware stacks
- Tether legacy vSphere to next-gen vSphere 6.5 and above
- Multi-site and Cloud-to-Cloud mobility
- Bulk migration with user specified scheduling options
- Multiple app migration scheduling models (live, warm, cold)
- Bi-Directional migration for app management flexibility
- WAN Optimized, compressed, de-duped connectivity
- Secure, automated overlay over WAN or Internet
- Traffic load balancing overlay, enforced through policy
- Application based load balancing
- Application group based DR policies
- Agile Intelligent Routing capabilities, such as proximity routing
- Network extensions for better IP and access management
- Automatic VPN connectivity across sites
- Secure Network Extension without need for NSX on premises
- Secured HCX vMotion and replication across varied VMware stacks
- Option for disaster avoidance via HCX vMotion capabilities
- High Throughput Network Extension to cloud
- High performance - 5Gbps + speeds for VLAN
- 5 minute RPO and RTO

How To Buy

VMware HCX is available for on-premises to on-premises / private cloud migration with NSX Enterprise Plus license. VMware HCX is included with VMware Cloud on AWS at no additional cost.

VMware HCX is also available with Hybrid Cloud Bundle for VCPP partners, as well with partner clouds such as, IBM cloud, OVH US, Fujitsu, NTT, CTC, Rackspace, IJ, Navisite.

Please 'Request Information' at <https://cloud.vmware.com/vmware-hcx>

VMware HCX Partners: <https://cloud.vmware.com/vmware-hcx/partners>

Supported Environments

- VMware vSphere 5.0 and above (Enterprise +)
- VMware vCenter 5.0 and above
- VMware VDS and above

Find Out More

For more information or to purchase VMware products, call 1-877-4VMWARE (outside North America, +1-650-427-5000) or visit the VMware HCX web page at <https://cloud.vmware.com/vmware-hcx>



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