VMware HCX™

VMware HCX provides infrastructure hybridity and workload mobility between vSphere platforms. HCX abstracts on-premises and cloud infrastructures, builds hybrid interconnects, and enables seamless, secure, multi-site mobility of VMs.

Customer Challenges

Cloud Planning: Cloud migrations is not easy. Enterprises need rapid cloud adoption. How do they manage delays caused by VM dependency mapping? How do they move to the cloud at lower TCO?

Moving to Cloud: Enterprises need large scale migrations at speed. How do they achieve it? How can enterprises seamlessly and securely enable workload migration from varied vSphere environments to the cloud?

Operations Cost: How do Enterprises reduce the operations cost to adopt cloud? Finding the right skills to manage migrations and assortment of tools can be both difficult and expensive.

How VMware HCX Helps

Rapid Cloud Adoption: Eliminate redesign/retrofit. Rapidly adopt cloud from vSphere 5.0+ on-premises environment without requiring upgrade. HCX Hybridity tethers on-Premises to cloud reducing need and time for extensive VM dependency analysis.

Accelerated Cloud Migration: Accelerate cloud migration with zero downtime large scale LIVE migrations. Transform your DC to high performance multisite hybrid multi cloud architectures.

Reduce Operations Cost: VMware HCX provides multiple appliances bundled as one service, eliminating assortment of tools and lowers TCO. Eliminate need of IP and MAC address remapping/changes. Take advantage of Auto VPN set up.

Key Capabilities

App Mobility across vSphere 5.0+ version on-premises to cloud eliminating upgrade requirements.

Accelerate migration with seamless, secure, zero downtime vMotion and live large scale workload migration.

Enable hybrid cloud designs with high-throughput, multisite, bi-directional, WAN optimized, traffic engineered interconnects.

Migrate VMs from any switch at source to latest SDDC or cloud with NSX.

Extend layer 2 networks eliminating the need to re-IP or re-factor existing workloads.

Customer Proof

Transform DC to Latest SDDC in Cloud: One of the F500 Airline Company wanted to migrate ~500 VMs, 4 vBlocks, 120TB data on ~80 VLANs with multiple firewalls and complex topology to replicate. HCX transformed their infrastructure with seamless and secure migration and DC extension.

DC Evacuation within days: A famous data archival company wanted to evacuate the DC within 30 days with ~380 VMs, 33 TB data. HCX helped evacuate their DC within 20 days without retrofit or upgrade while maintaining business continuity.

Resources

Website: https://cloud.vmware.com/vmware-hcx

Blogs: https://cloud.vmware.com/community/hybrid-cloud-extension/

VMware HCX™

Customer Personas

Customers seeking migration to private or public cloud for DC extension, evacuation, consolidation or modernization benefit with VMware HCX. Quicker time-to-value for customers. Lower upfront planning time by eliminating retrofit/ redesign analysis add value to these customers.

VMware HCX Simplifies and de-risks what would otherwise be a complex and costly migration process. The solution supports "don't disrupt the business mandates" from LOB to IT. Automation (VMware HCX automates menial tasks) frees up time to focus on higher value activities and ensures ongoing workload mobility. The solution also helps organizations deal with the problems of not having the right skills in house to support cloud migration activities.

Competitive Landscape & Differentiation

- VMware HCX can accelerate cloud adoption and migration. HCX is purpose-built for vSphere workloads and performs migrations without incurring unnecessary risks or costs.

- HCX accelerates cloud adoption by eliminating the need to perform retrofit/redesign/upgrade.

- HCX enables seamless migrations between disparate vSphere versions across on-premises and cloud. HCX provides live large scale multi site migrations, eliminating any reboot requirements.

- HCX stretches Layer-2 networks across two sites. It makes VMs to talk over the same broadcast domain when they exist at different physical locations, eliminating re-architecture of network topology.

- HCX hybrid interconnects are WAN optimized, traffic engineered, and VPN enabled.

- HCX is offered for private and public cloud by multiple cloud providers, helping extend existing infrastructure into a hybrid or multi-cloud architecture .
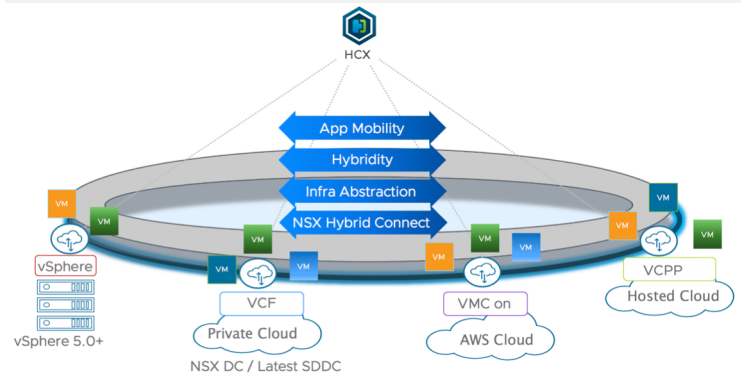
You Need HCX

Do you need to (quickly) migrate vSphere workloads to a private or public cloud?

Do you have a data center refresh or evacuation project?

Do you need to modernize your data center?

Do you want to accelerate cloud adoption? Do you want to transform your DC, without any upgrade or retrofit or changes to OS and application?

Are you looking to future proof your DC and evolve it to hybrid and multi cloud architectures?

Supported Partners

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, IIJ, Navisite.