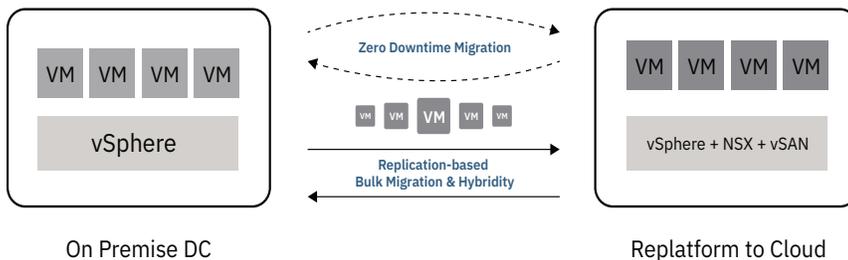# VMware HCX on IBM Cloud

Seamlessly connect your on-premise environment to the IBM Cloud to achieve a multi cloud architecture.

What is HCX on IBM Cloud

HCX ™ on IBM Cloud unlocks the cloud for on-premise vSphere environments, where customers can build an abstraction layer between their on-premise data center and the IBM Cloud. Once tethered together, networks can be stretched securely across the HCX hybrid interconnect enabling seamless mobility of VMs. HCX enables hybrid capabilities in vCenter so that workloads can be migrated and protected to and from the cloud.

HCX leverages vSphere Replication to provide robust replication capabilities at the hypervisor layer. When this is coupled with HCX's ability to stretch layer-2 networks, no intrusion at the OS or application layers are required. This allows virtual machines to be easily migrated to and from the cloud without any change.

On Premise DC | Replatform to Cloud

Supported Environments

- VMware vSphere® 5.1 and above (Enterprise +)

- VMware vCenter™ 5.1 and above

- VMware VDS and above

- VMware Solutions on IBM Cloud require a 6.5 and above vSphere for the Cloud environment

Solution Features

Infrastructure hybridity
Enable seamless cloud on-boarding with HCX on IBM Cloud. You get app mobility with infrastructure hybridity, thanks to features such as secure proxy for vMotion; secure network extension; and high-throughput, WAN-optimized, load-balanced multisite interconnects.

Security & governance
Ensure a highly secure tethering of private and public clouds. Traffic load balancing overlay is policy-enforced and hybrid DMZ enables portability of enterprise network and security practices to the cloud.

Compatibility across environments
Any existing vSphere environment (version 5 and up) environment, can leverage HCX to migrate to the desired IBM Cloud data center.
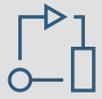
Multiple migration models
Bulk migration enables migration of VMs on a large scale with minimal downtime. VMware® VMotion™ enables the live migration of running VM from one server to another with zero downtime, continuous service availability, and complete transaction integrity.

IBM Cloud

vmware®

HCX optimizes migration traffic with inbuilt WAN optimization that has been tuned for the needs of the hybrid use cases:

HCX on IBM Cloud Use Cases

	Modernize	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.
	"Lift and Shift"	Migrate applications to the cloud without any change – design, IP, or MAC address.

How to buy

Customers can purchase HCX on IBM Cloud through **bluemix.net**. and by contacting your sales representative.

Find out more

For more information or to purchase IBM Cloud products visit **ibm.com/cloud/vmware** or call **1-844-95-Cloud** (Priority code: Cloud).

IBM **Cloud**

vmware®