

vCloud Air

Hybrid Cloud Manager

General

Q. What is Hybrid Cloud Manager?

A. The Hybrid Cloud Manager™ offers vSphere users a seamless option for extending their on-premises data center and vSphere environments into the Hybrid Cloud. The Hybrid Cloud Manager offers hybrid networking and bi-directional workload migration capabilities, simplifying on- and off-premises resource integration and management workloads. The Hybrid Networking Services aspect of the offering consists of software-defined WAN technologies that significantly improve the connectivity, resilience and security of "middle mile" networking.

Q. Will vCloud Air customers have to use vCloud Connector and Hybrid Cloud Manager?

A. No. Like vCloud Connector, the Hybrid Cloud Manager includes migration functionalities. However, the Hybrid Cloud Manager further offers low-downtime migration, intelligent routing, WAN optimization, military-grade encryption, and other functionality not provided by vCloud Connector. Customers can opt to do all operations through Hybrid Cloud Manager, or opt for the existing vCloud Connector functionality.

Q. Do I need a vCloud Air account to use Hybrid Cloud Manager?

A. Yes. You need a vCloud Air Dedicated Cloud subscription with the Hybrid Networking Standard or Hybrid Networking Premium add-on service enabled. See <http://www.vmware.com/cloud-services/management/vcloud-air-hybrid-cloud-manager.html>.

Use Cases

Q. Why should I use Hybrid Cloud Manager?

- A. vCloud Air Hybrid Cloud Manager provides a seamless option for extending your on-premise data center into vCloud Air. This can be leveraged in many scenarios.
- Expanding existing applications into the cloud
 - Securing on-demand infrastructure capacity for development and testing
 - Deploying web and mobile application with on-premise service dependencies
 - Having a unified network between on and off-premise infrastructure

Technical Information

Q. What versions of vSphere Web Client does this feature operate with?

A. vSphere 5.5 U1 and above.

Q. Which vCloud Air Core Services support Hybrid Cloud Manager?

A. Hybrid Cloud Manager v1.0 will be available for Dedicated Cloud, with support for Virtual Private Cloud and Disaster Recovery in the months to come.

Q. What type of workloads can I migrate with Hybrid Cloud Manager?

A. Any vSphere workload running in vCenter can be migrated via the Hybrid Cloud Manager. The transport options for migration include SSL over internet, VPN (IPSec), and Direct Connect.

Q. Would I have to configure Hybrid Cloud Manager within vSphere?

- A. Before installing Hybrid Cloud Manager, upgrade your dedicated environment to include the Hybrid Networking Standard or Hybrid Networking Premium add-on service. See <http://www.vmware.com/cloud-services/management/vcloud-air-hybrid-cloud-manager.html>.

After the installation process, you will be guided through configuration steps needed. The 'guided workflow' is such that all components needed for Hybrid Cloud Manager can be configured at once or at different times.

Q. What appliances will be deployed into my vSphere environment when I install Hybrid Cloud Manager?

- A. During the initial installation a single appliance is installed which is the Hybrid Cloud Manager. If you choose to add other services in Hybrid Cloud Manager a separate appliance is installed.
- Hybrid Cloud Gateway Appliance: This gateway provides a secure channel to vCloud Air with intelligent routing to avoid networking "middle mile" problems.
 - WAN Optimization Appliance: Improves VMmigration performance by utilizing WAN optimization techniques like data de-duplication and line conditioning.
 - Network Extension Service Appliance: Enables extending L2 networks from within your data center to vCloud Air. This enables moving VMs into vCloud Air without IP address changes. This service does not require the presence of vShield/NSX for vSphere.

Q. How will I install Hybrid Cloud Manager?

- A. You can download Hybrid Cloud Manager from the My VMware downloads page:
my.vmware.com/group/vmware/info/slug/infrastructure_as_a_service/vmware_vcloud_air/1_0

Packaging and Buying**Q. How much does it cost?**

- A. For Dedicated Clouds, two subscription add-ons including enhanced migration and L2 VPN network extension are available for purchase:

- Hybrid Networking Standard
- Hybrid Networking Premium

A.further explanation of these add-ons can be found at: <http://www.vmware.com/cloud-services/management/vcloud-air-hybrid-cloud-manager.html>.

Pricing can be found at:

<http://vcloud.vmware.com/service-offering/pricing-calculator>.

Q. Is the service available for subscription and on-demand?

A. Currently, the service is available for consumption only through subscription model and pricing is offered in a bundled solution.

Q. When and how will I be billed?

- A. Your billing date is the monthly anniversary of your service start date. You can look up service start date in My VMware portal. On your billing date, we calculate your monthly service charges and apply any available credit. If you have any outstanding charge, after the credits have been applied, your SPP credits will then be charged.

