

VMWARE vCLOUD AVAILABILITY FOR CLOUD-TO-CLOUD DR 1.5

AT A GLANCE

The VMware vCloud® Availability for Cloud-to-Cloud DR™ solution provides replication and failover capabilities for vCloud Director® workloads at both the VM and vApp level.

The solution is designed expressly for VMware Cloud Provider™ partners to run on vCloud Director instances and offer cloud-to-cloud disaster recovery (DR) services, enabling further monetization of existing VMware vCloud Director multi-tenant cloud environments.

KEY BENEFITS

Cloud-based disaster recovery is one of the fastest-growing market segments for cloud services, and this solution is designed exclusively for VMware Cloud Provider Partners to capitalize on this opportunity.

vCloud Availability for Cloud-to-Cloud DR provides:

- Fully Integrated vCloud Director look and feel.
- Simplified and easy to use modern HTML-5 interface in line with vCloud Director.
- Unified portal with access for tenant and service provider users.
- Tenant self-service protection, failover, and failback workflows per virtual machine (VM)/vAPP.
- Built-in optional compression of replication traffic and TLS encryption end to end.
- Simple appliance deployment and dedicated UI for administration capability.
- Storage independence from VMware vSphere® Replication™ with a 5 min RPO in 6.5 and above. This can also be controlled by the Cloud Provider using policies for a particular customer virtual data center.
- RTO: time it takes for the VM to Power On
- Symmetrical replication allows a tenant or provider to execute a DR action on the source or destination.

Key Features and Capabilities

New Integrated User Interface (UI)

VMware Cloud Provider Partners can now offer Disaster Recovery services within their vCloud Director 9.1 UI for Tenant and Provider workflows. For providers on earlier versions, there is a different UI that is accessible everywhere and like the vCloud Director UI maintains symmetry for source or destination execution of DR workflows and inventory access.

Scalable Performance for Concurrent Replications

Up to 60 concurrent protect, test failover, reverse protect, test failback, and failback operations and 110 concurrent failover operations. 3000 active protections across 100 tenants.

Disaster Recovery Service Organization Controls

Whitelisted, activation-controlled service is disabled by default, allowing partner to upsell DR to customers. Org controls include max RPO, snapshots and replicants to help tier tenant DR offerings.

Disaster Recovery Orchestration Plugin

VMware vRealize® Orchestrator™ enables inventory collection of an organization's vDCs, unprotected and protected vApps, underlying VMs, storage profiles and vDC Networks.

This enables the end user to automate replication, migration, failover and failback of vApps and post failover operations by providing simplified workflows which can be run from vRealize Orchestrator clients.

Disaster Recovery Metering and Telemetry Plugin

VMware vRealize Operations™ data provides analytics and the UI engine for vCloud Availability Cloud-to-Cloud. Tenants get access to metrics, dashboards, views, reports and alerts that enable users to optimize the monitoring and management of vCloud Availability Cloud-to-Cloud from within vRealize Operations if required.

Providers gain focused analysis and reporting of incoming and outgoing replication, RPO, CPU, memory and storage utilization, number of tenants replicating and number of active replications for a given tenant among other views and metrics.

FIND OUT MORE

PARTNERS

To find out more about the solution and to hear from other Cloud Provider partners, please visit:

<https://cloudsolutions.vmware.com/solutions/dr-cloud-to-cloud>

Interested in becoming a partner? For more information please visit the VMware Cloud Provider Partner Program web page at:

<http://www.vmware.com/partners/service-provider.html>

CUSTOMERS

To find out more about the service please visit:

<https://www.vmware.com/products/vcloud-availability.html>

For customers looking for a partner to help them with their Disaster Recovery services, please use our guided search to find a provider in your region:

<https://cloud.vmware.com/providers/guided-search>

Cost Model

The vCloud Availability for Cloud-to-Cloud DR solution is available for participating VMware Cloud Provider partners under the current points model in a per virtual machine per month consumption metric. There is no minimum commitment that needs to be made. As a Cloud Provider onboards more customers to the DR solution, they only pay VMware for what they consume.

Support

VMware makes Subscription Services Support available to all vCloud Availability for Cloud-to-Cloud DR customers. Support includes access to specialists who assist in coordinating onboarding activities as well as ongoing service support. For customers who require additional services, VMware also offers professional services engagements on best practices and getting started with your deployment, both directly and through an extensive network of certified professionals.

System Requirements

Hardware Host

The Cloud Service Provider must be running the following components in their cloud environment:

- VMware vCenter Server® versions 6.5 U1 and 6.0 U3.
- vCloud Director versions 8.20.X, 9.0.X, and 9.1. (NOTE v9.1 is required for the integrated vCloud Availability Cloud-to-Cloud UI to work within vCloud Director, earlier versions will use a separate UI).
- vCloud Availability for Cloud-to-Cloud DR supports all VMware NSX® versions that are interoperable with a supported vCloud Director for Service Providers version.
- vCloud Director virtual data center (vDC) for customers.
- Fast network connection between vCloud Director instances.

Please note that VMware vSphere Replication is included, without additional cost, in all supported VMware Cloud Provider Program bundles that contain vCloud Director.

