VMware vCloud Air Disaster Recovery

A Recovery-as-a-Service Offering by VMware

AT A GLANCE

VMware vCloud® Air™ Disaster Recovery is a new recovery-as-a-service (RaaS) solution that introduces native cloud-based disaster recovery capabilities for VMware vSphere® virtual environments. Built on VMware's hypervisor-based replication engine, vSphere® Replication™, and new integration support with vCloud Air Disaster Recovery includes:

- Self-service disaster recovery protection for virtual machines
- Recovery point objectives (RPO) from 15 minutes to 24 hours
- Automated failover testing, planned migrations and recovery
- Elastic cloud compute and storage capacity
- Support for offline data seeding
- Private leased line network option
- Flexible failover testing

KEY BENEFITS

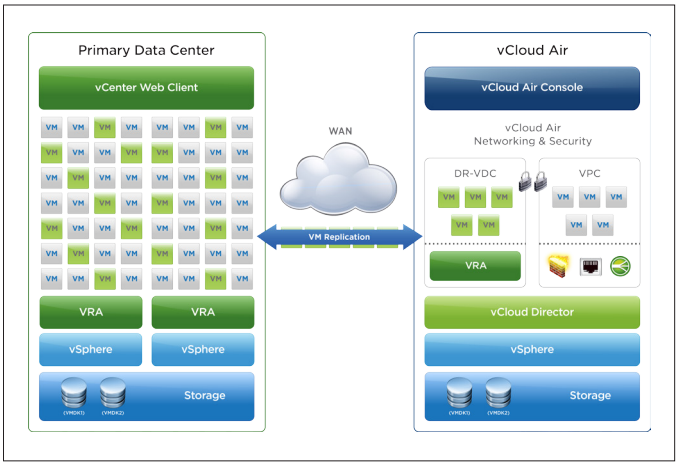
- Hybrid cloud compatible business continuity and disaster recovery (BC/DR) capabilities at your fingertips through native integration in VMware vCenter™
- Enhanced recovery times for business and mission-critical applications running on vSphere
- Application-agnostic protection through virtual machine encapsulation and replication
- Hardware independence for consistent replication and recovery support throughout data center upgrade and lifecycle changes
- Significant cost reductions in overall disaster recovery planning by using the cloud for simplified failover and recovery operations
- Scalable disaster recovery protection capacity in the cloud to address changing business requirements
- Production-level support and SLAs backed by VMware
- Multiple subscription options

What is Disaster Recovery?

vCloud Air Disaster Recovery is a new RaaS offering owned and operated by VMware, built on vSphere Replication and vCloud Air – a hybrid cloud platform for infrastructure-as-a-service (IaaS). Together, these components form a straightforward service-oriented approach to extending disaster recovery capabilities and protection coverage to any business or mission-critical application running in a vSphere virtual environment.

Disaster Recovery leverages vSphere Replication to provide robust, asynchronous replication capabilities at the hypervisor layer. This approach to replication allows for virtual machines in vSphere to be easily configured for disaster recovery without the traditional dependencies on underlying infrastructure hardware or data center mirroring. Per-virtual-machine replication and restore granularity further provide the ability to meet dynamic recovery objectives without overshooting actual business requirements for disaster recovery as they change over time.

Disaster Recovery also takes advantage of the cloud, using vCloud Air as a scalable platform for compute infrastructure and storage capacity. By utilizing a secure, multi- tenant cloud architecture, Disaster Recovery is able to address variable capacity requirements needed to support common disaster recovery use cases, such as replication, failover and recovery, at a significantly reduced price point over traditional in-house disaster recovery solutions or managed service alternatives. Combined with an unprecedented degree of self- serviceability over what to protect and when, Disaster Recovery makes it easy to enable hybrid-aware BC/DR capabilities for broad-scale adoption across the virtualized enterprise.



Disaster Recovery enables hybrid-aware BC/DR capabilities.

Key Features and Capabilities

Self-Service Disaster Recovery Protection

Disaster Recovery enables self-service protection for up to 500 virtual machines per subscription on an as-needed basis. Using vSphere Replication and seamless integration with VMware vCenter, Disaster Recovery delivers simplified entitlement controls to register individual virtual machines with the service and enable recovery in the cloud.

Custom Recovery Point Objectives

Disaster Recovery supports the full range of RPOs allowed in vSphere Replication – 15 minutes to 24 hours. Setting a unique RPO value per virtual machine allows for fine-grained control over replication frequency based on business application priority.

Dependable Failover SLA

Disaster Recovery comes with a compute Service Level Agreement (SLA) of 4 hours (or less) whenever a test failover or live recovery operation is performed per virtual machine. This SLA objective ensures any virtual machine recovered within vCloud Air can be powered on and remotely accessed.

Automated Failover Testing, Planned Migrations and Recovery

Disaster Recovery provides built-in automated workflows to perform failover tests, planned migrations and live recovery per virtual machine. Workflow execution and task management from both vSphere Replication and the vCloud Air Console ensure access to the Disaster Recovery environment at all times.

Elastic Cloud Compute and Storage

Disaster Recovery offers flexible subscription options to support frictionless right-sizing of disaster recovery environments and can expand to support variable change in the number of virtual machines that need to be protected. Capacity elections for cloud computing capacity and storage are reserved to guarantee resource availability at all times. Optionally, one-time compute capacity add-ons may be requested to satisfy short-term failover and recovery requirements without long-term commitments.

Offline Data Seeding

Using vCloud Connector Offline Data Transfer, Disaster Recovery can support large volume data transfers of virtual machines and their data to vCloud Air prior to replicating over.

Private Leased Line Networks

Leveraging vCloud Air – Direct Connect, Disaster Recovery offers the option of private leased line networks to carry replication traffic between a primary data center and vCloud Air up to 1 Gbps.

Flexible Failover Testing

Disaster Recovery includes the option to test various failover scenarios as often as necessary during the service period, by offering a-la-carte failover tests.

How To Buy

vCloud Air Disaster Recovery offers flexible term- based subscription options and convenient feature add-ons, which are expandable to meet your disaster recovery needs as they evolve over time.

	DISASTER RECOVERY (CORE SUBSCRIPTION)
Compute	• 10 GHz vCPU • 20 GB vRAM • Multi-tenant
Storage	1 TB
Network	10 Mbps bandwidth
Public IP Addresses	2 (per 12-month period)
Failover Tests	Unlimited for core subscription term length
Support	• 24 hours/day • 7 days/week • 365 days/year
Subscription Terms	• 1 month • 3 month • 12 month • 24 month • 36 month

	DISASTER RECOVERY (ADD-ON SERVICES)	SUBSCRIPTION TERMS
Compute	• 10 GHz vCPU • 20 GB vRAM • Multi-tenant	Co-term with core subscription
Compute (One month)	• 10 GHz vCPU • 20 GB vRAM • Multi-tenant	One month
Storage Support	• 1 TB • Production	Co-term with core subscription
Network	10 Mbps Bandwidth	Co-term with core subscription
Direct Connect	1 Gbps	Co-term with core subscription
Public IP Address	1	Co-term with core subscription
Offline Data Transfer	11 TB	One-time

Support

VMware makes subscription services support available to all vCloud Air Disaster Recovery 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

Software

- VMware vSphere® 5.1 and above (Essentials + and above)
- VMware vCenter™ 5.1 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 vCloud Hybrid Service web page at http://vcloud.vmware.com.

VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 www.vmware.com