

Datrium DRaaS with VMware Cloud on AWS

PRODUCT BRIEF

Failproof Cloud DR for All VMware Workloads

- Protect all your VMware workloads in the cloud and on premises
- Automatically failover from an SDDC in one AWS AZ to another AZ
- Get DR with instant RTO for any vSphere infrastructure on premises or in the cloud

10x More Cost-Efficient Than a Second DR Site

- In steady-state, pay only for backups on S3
- No ongoing cost for hot standby DR sites
- Just-in-time SDDCs provisioned in VMware Cloud on AWS

Instant RTO DR for All Your Cloud and On-Premises VMware Workloads

- Instantly restart workloads in VMware Cloud on AWS from S3 backups without rehydration
- Access 1 million+ immutable backups, recent or years old, for recovery from ransomware or natural disasters
- Restart 1000s of point-in-time consistent VMs

One-Click Failover and Failback

- Avoid complex VM conversions
- Automatic compliance checks
- Fully automated failback

Operational Consistency and Simplicity

- Consistent vSphere experience everywhere
- SaaS-delivered: no install, no admin
- DRaaS, billing, and support from Datrium

Disaster Recovery as a Service

Datrium DRaaS with VMware Cloud on AWS (DRaaS) is a comprehensive Disaster Recovery (DR) service that dramatically reduces costs, keeps data safe and secure, and delivers enterprise-grade failover and failback. DRaaS protects all your VMware workloads running in VMware Cloud on AWS or traditional SAN, NAS, and HCI on-premises infrastructure.

Datrium DRaaS includes Cloud Backup, DR orchestration, and on-demand Software-Defined Data Center (SDDC) site(s) in VMware Cloud on AWS for failover and testing. These capabilities are all provided in one package, delivered as a comprehensive cloud service. Datrium provides fully integrated support and billing for all components, including VMware Cloud on AWS.

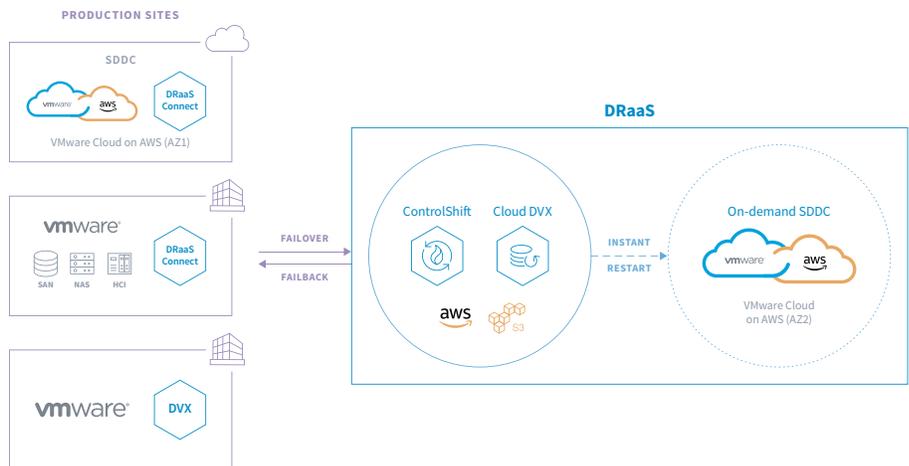


Figure 1 – Datrium DRaaS Components and Disaster Recovery Functions

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Key Features

DR for All Your VMware Workloads

Get DR with instant RTO for all of your VMware workloads wherever they're running. Automatically fail over from an SDDC in one Availability Zone (AZ) to another AZ with DRaaS Connect for VMware Cloud. Use DR with instant RTO for all vSphere on-premises infrastructure, including Datrium DVX as well as SAN, NAS, and HCI systems.

- **On-Demand DR for Your Cloud-Based Workloads**

Get on-demand DR for your cloud-based workloads. Snapshots of running VMs in the active AZ will be stored in the DRaaS repository on AWS S3. In the event of a disaster, these snapshots can be restarted on ESX hosts in a different AZ with instant RTO, all based on well-defined runbook policies.

- **Failproof DR for Non-Datrium On-Premises Infrastructure**

DRaaS Connect for vSphere On Prem extends Datrium DRaaS to any vSphere on-premises infrastructure and provides efficient replication of vSphere snapshots into deduplicated, compressed, encrypted snapshot storage on Amazon S3. It's managed by a DRaaS cloud-based control plane to define VM protection groups and their snapshot frequency, replication, and retention policies. On failback, DRaaS returns only changed blocks back to vSphere and the local on-premises infrastructure through DRaaS Connect.

On-Demand DRaaS – Up to 10x More Cost-Efficient

For the first time, the public cloud is cost-effective for protecting entire enterprise data centers. DRaaS enables failover from low-RPO VM backups in S3 to an on-demand SDDC in VMware Cloud on AWS using DR plans managed by ControlShift. This capability lets you store backups in S3 at low cost, and pay for the DR sites only when you need to test or run DR Plans. DRaaS can provide DR protection that's 10x more cost-efficient. Shut down physical DR sites, eliminate power and cooling bills, cut expenses related to standalone backup solutions, and get access to the broadest range of global DR sites available.

Instant RTO Disaster Recovery for 1000s of VMs from Immutable Backups

You don't need to rehydrate data from backups before recovering your workloads. Even though backups are stored long term on low-cost AWS S3, you get instant RTO for DR. All the backups in S3 are instantly made executable on a live cloud-native NFS datastore mounted by ESX hosts with caching on NVMe flash. Instant recovery from older backups is especially useful for ransomware recovery. Enterprises can recover thousands of VMs from the same point in time to restart their entire data center with instant RTO, unlike any other DR solution for VMware Cloud on AWS.

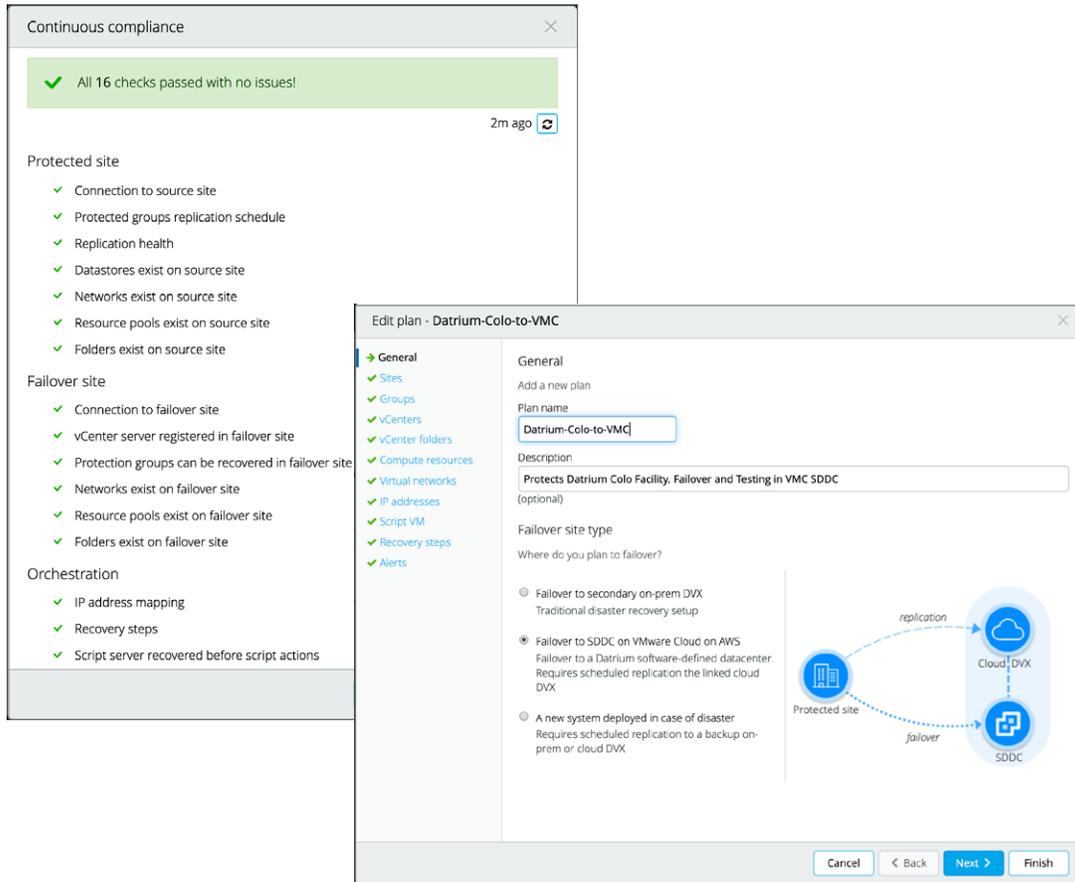


Figure 2 – Views from ControlShift UI Showing Audit Reports and a DR Plan that Includes a VMware Cloud on AWS SDDC

One-Click Failover and Failback

DRaaS automatically checks your DR plan for health and compliance every 30 minutes, so you can be confident your DR is going to work when you need it. Runbook automation makes failover a one-click operation, and automated reporting ensures you're always audit-ready. Failback from public cloud environments presents technical challenges that Datrium is uniquely suited to solve. DRaaS includes backup that has global data deduplication and tracks data changes. It's easy to fail back quickly from public cloud DR sites with minimal egress bandwidth charges because Datrium optimizes the amount of data that DRaaS moves. That kind of failback operation is infeasible with other solutions.

VM-to-Cloud Operational Consistency

The conversion between VM formats is a brittle and time-consuming process. DRaaS relies on vSphere everywhere and never does VM conversions, so you can be sure your vSphere workloads run seamlessly before and after a disaster recovery event. Plus, you can use vCenter to manage your cloud DR site just like your primary protected site.

Furthermore, complex vSphere enterprise environments rely on many other virtualization abstractions which have no immediate analogs in the public cloud: clusters, resource pools, datastores, virtual switches, port groups, etc. vSphere also offers a set of widely used services based on these abstractions that have no equivalent in the public cloud, such as vSphere HA, FT, vMotion, and DRS. With DRaaS, VMs retain their native vSphere format, and you get access to these familiar abstractions and management tools following a failover to the cloud – the same management tools you use on premises with your primary site. DRaaS with VMware Cloud on AWS includes Cloud DVX and ControlShift. These products provide complementary features for unified cloud backup and DR in a single management pane, for both the primary and DR sites, through vCenter.

DATRIUM DRAAS WITH VMWARE CLOUD ON AWS

PRODUCT BRIEF

Modern Solution from One Vendor

With DRaaS, you get a complete solution that delivers comprehensive support, simplified purchasing, and billing. ControlShift DR orchestration and Cloud DVX backup are both delivered as SaaS applications built on AWS and VMware Cloud on AWS. With automated deployment, configuration, maintenance, upgrades, and failure recovery, you can focus on managing your backups and creating and executing your DR plans. You don't have to deal with manual on-premises software installation or multiple vendors.

About Datrium

Datrium delivers failproof DR with instant Recovery Time Objective (RTO) both on premises and in the cloud. For cloud DR, Datrium Disaster Recovery as a Service (DRaaS) with VMware Cloud on AWS delivers one-click failover and failback for all VMware workloads.

About Trustco

Trustco PLC, a DRaaS Select member of the Datrium Global Partner Network, offers UK wide consultancy and deployment expertise for Hybrid Cloud and Data Centre Consolidation projects. Visit www.trustco.co.uk or call us on 0344 880 1999.