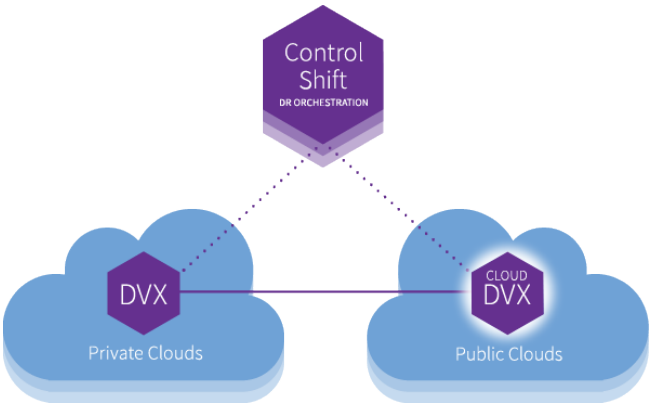
Datrium Cloud DVX

Cloud Backup Vault for DVX and DRaaS

DATASHEET



Key Benefits

Autonomous

- SaaS-simple
- Use automatically from DVX on-prem or Datrium DRaaS

Safe and Cost-Efficient

- Encrypted in flight, at rest
- Immutable data, isolated from ransomware
- Dedupe and compress across originating sites and over the wire for storage and WAN optimization
- Store on S3 for low cost

Fast

- Much faster WAN-based VM or guest file recovery through dedupe-based WAN optimization

Simplified Online Access to Offsite Backup Images

An essential part of Datrium's Automatrix platform, Cloud DVX provides an on-demand, integrated, autonomous offsite store for backup and DR images on AWS S3 low-cost storage. It's offered as software as a service on AWS using your own credentials, or as part of Datrium DRaaS. It uses the same software as the on-prem DVX system.

Storing backups offsite is a required fundamental of IT data protection. Cloud is becoming the natural place to put them. Cloud DVX overcomes the historic obstacles to cloud backup management, enabling simple and automated recoveries of VMs, guest files, or whole data centers.

- **Autonomous:** Cloud DVX is managed as part of an on-prem DVX or Datrium DRaaS, so you can ignore the complex cloud infrastructure it requires – we manage it for you.
- **Safe and Cost-Efficient:** By using Automatrix universal dedupe and compression for S3 and WAN optimization, it lowers storage cost/terabyte/month, and it minimizes egress costs during recovery. Its built-in security eliminates the need for a cloud VPN for backup use. It enables the 3-2-1 model of Data Protection for Datrium: 3+ copies, 2 media types (DVX on prem, S3 on cloud), 1 of which is offsite (S3 on cloud).
- **Fast:** For VM recoveries to an on-prem DVX, WAN replication will be much faster than software which lacks on-wire dedupe or sends full backups.

Autonomous

From a DVX, simply ask for a Cloud DVX site to replicate to, enter your credentials and AWS region, and go. At that point, it's just like having a second DVX for safe protection group replicas, with up to 1.2M VM snaps per instance, supported by a global catalog. Cloud DVX uses autonomous, serverless methods to self heal, update automatically, and review telemetry with Datrium Support.

Safe and Cost-Efficient

Automatrix products all dedupe across all storage and replication bandwidth. This means that storage consumption is minimized, and it also means bandwidth is minimized, which is especially important for egress costs from the cloud. So there are no secondary full backups to store, send or retrieve. This power grows with multisite fan-in: if multiple sites replicate to one Cloud DVX, they replicate only the unique data across themselves. This can result in a TCO that is 3x-10x lower than competitive backup approaches.

Service Platform

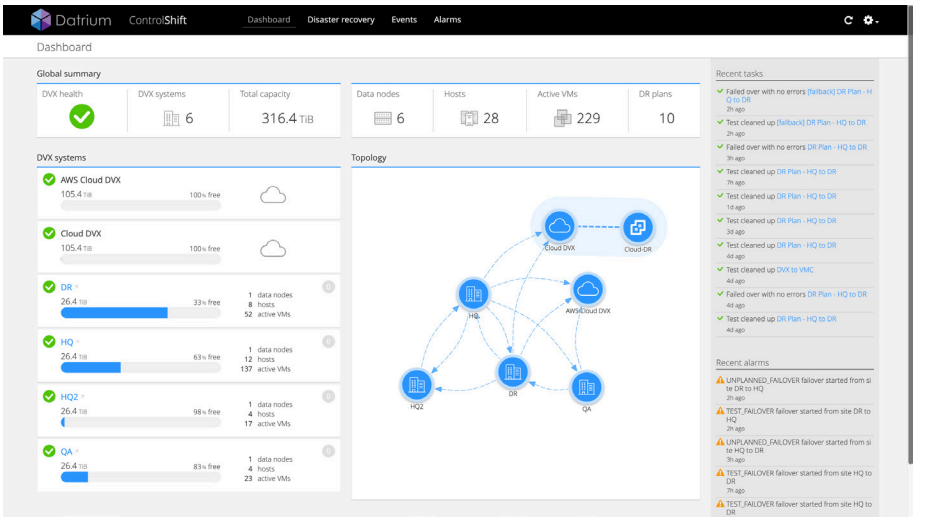
Clouds Supported

- AWS
- For DRaaS: VMware Cloud on AWS

Credential/Billing Options

- AWS
- Datrium direct

In addition, all Automatrix products natively encrypt all data on WANs, using FIPS 140-2 validated SSL, eliminating the need for costly public cloud VPN services. This ensures data security while eliminating ingest network costs. Cloud DVX stores immutable snapshots safely isolated from ransomware, and it performs strong validation of data integrity and recoverability multiple times per day.



Cloud DVX is simply another source for recoveries, using ControlShift

Fast

Because of universal dedupe and compression for WAN optimization, only unique data segments are transferred between sites. This is especially powerful during recovery, as shown in the diagram above. When compared with approaches that do not offer this capability, transfer times are significantly improved.[1]

The Bottom Line

With Cloud DVX, cloud-based backup vaulting is invisible, cost-efficient, safe, and fast. With global data efficiency, granular object management, end-to-end security, and massive consolidation of on-premises infrastructure into a single converged cloud data plane, customers can realize dramatic total cost of ownership savings while meeting their RTO, RPO, and DRaaS RCO SLAs.

Datrium Cloud DVX Quick Specifications

Public Cloud	Amazon Web Services
Specifications per Cloud DVX Instance	Resources: EC2 - 1 i3.xlarge (up to 29 TB usable) or 1 i3.4xlarge (115 TB usable), S3 standard, DynamoDB
Instances and Fanning	Each on-prem DVX can have up to 10 replication targets, split among Cloud and on-prem DVXs. There can be as many as 10 Cloud DVXs per on-prem DVX in the same or different AWS regions. Up to 10 originating on-prem DVXs can replicate to a Cloud DVX instance.
Data Efficiency	Global dedupe and compression across originating streams, systems, and objects within a Cloud DVX store. Forever incremental snapshots. Synthetic fulls.
Retrieve Granularity	Guest Files, Virtual Disks, OVAs, ISOs, or Virtual Machines
Security	Always-on SSL for WAN replication, S3 envelope encryption (AWS). No VPN required.

[1] Based on amount of data transfer needed from cloud to on-premises (in case of HCI backup, fully hydrated from secondary to primary system at 10x speed). Data reduction assumptions: Datrium - 3x local, 1.5x cloud; HCI - 2x local, 1x cloud; HCI Backup - 3x local, 1x cloud