Datrium Cloud DVX is a service that enables cost-effective backup of DVX snapshots in Amazon Web Services (AWS) S3 object stores. Leveraging the power of Automatrix technology, all data transfers are forever-incremental, fully deduplicated, compressed and secure when they’re in the cloud. That reduces cloud costs by up to 10x compared to other approaches that send full backups and don’t support cross-site or system deduplication. Also, all AWS deployment, configuration, management and failure handling is managed for the customer by Cloud DVX, greatly simplifying set-up and ongoing maintenance. Cloud DVX is available as a standalone SaaS offering or as a component of Datrium DRaaS.

### Key Features

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<th>Cloud DVX Features</th>
<th>Specs</th>
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<td>Software licensing</td>
<td>Sold in 5 TB increments with 1, 3, or 5-year subscription options</td>
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| Maximum capacity   | Up to 115TB Note: If installed in a customer-maintained AWS account, the following EC2 instances are required for the indicated capacity limits:  
  • i3.xlarge - up to 30 TB  
  • i3.4xlarge - up to 115 TB |
| Maximum instances per DVX | 10 |

### Restore Speed

- Deduplicated transfers to/from cloud minimize size of data transfer and improve speed
- Granular restores from cloud backup (guest files, virtual disks, VMs, set of VMs)
- Direct restores to primary storage and instant power-on (no rehydration step)

### Efficiency

- Always-on inline deduplication and compression to cloud object storage (AWS S3)
- Forever-incremental replication to the cloud
- Global deduplication across all sites in the cloud (forever-incremental replication to object storage)

### Resiliency

- Automated self-healing from failures in AWS via Lambda automation
- Automatically recover from EC2 or AZ failures

### Management, Analytics, and Support

- Automated deployment and configuration in AWS
- Automated AWS upgrades
- Automated telemetry monitoring and proactive support

### Security

- End-to-end data security from on-premises data center to cloud storage