

SPEC SHEET

Datrium DVX is the first and leading disaggregated HCI (DHCI) solution providing the highest performance for virtual workloads, fastest recovery time with integrated backup and DR, smallest footprint from always-on security, and no storage management overhead.

This table lists key features powered by DVX software.

Enterprise Storage Performance, Scaling, and Efficiency	Included
Non-disruptive hyperscalar performance scaling with hosts	1-128 hosts
Non-disruptive hyperscalar capacity scaling with data nodes	1-10 data nodes
Bring own host & flash (NVMe, SSD) or turn-key Datrium Hosts	✓
Mix cross-vendor rack or blade servers in one DVX system	✓
Local supercache of all data on host for low latency reads (up to 32 TB raw per host)	✓
High performance & throughput with sequential writes to SSD or Disks	✓
Always-on inline deduplication on local supercache	✓
Global deduplication of all data on data pool	✓
Always-on inline compression on local supercache and data pool	✓
Enterprise Resiliency	
Stateless hosts and workload isolation (no east-west traffic)	✓
Uninterrupted VMs on all SSD failures per host (peer cache mode)	✓
Always-on inline erasure coding (dual parity for double failure protection)	✓
Online field-replaceable redundant controllers, power supplies, battery backup on data nodes	✓
End to end network path monitoring & aggregation (DVX Adaptive Pathing)	✓
Online non-disruptive software & firmware upgrades	✓
Management, Analytics, and Support	
HTML 5 standalone DVX User Interface	✓
VM-based management via Integrated vCenter UI plugin (HTML 5 & Web Client)	✓
Integrated VM-centric analytics & monitoring on DVX User Interface	✓
Datrium Proactive Support (24/7 phone, NBD or 4HR parts) with call-home	✓
Rest APIs and Python SDK	✓
Zero data durability impact upgrades of DVX or hypervisor software	✓

DATRIUM DVX SOFTWARE FEATURES
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Enterprise Storage Performance, Scaling, and Efficiency	Included
Supported Operating Systems and Hypervisors (in one DVX system)	
VMware vSphere	✓
RedHat Enterprise Virtualization (RHEV)	✓
Opensource KVM	✓
RedHat Enterprise Linux Bare-metal (Docker containers/PostgreSQL)	✓
CentOS Bare-metal (Docker containers)	✓
Docker container persistent volume (DVX Docker volume driver)	✓
Kubernetes (virtualized on vSphere)	✓
Openshift (virtualized on vSphere)	✓
Converged Backup & DR	
Built-in backup catalog for VM or vDisk snap search (snapstore)	✓
VM, vDisk & Container granular backups via native snapshots with PIT consistency	✓
Policy-based backups using protection groups	✓
Dynamic, wild card based grouping of VMs & files for backups	✓
10-minute snapshot RPO	✓
Instant restarts or clones from native snapshots (zero RTO)	✓
Native Guest File Restores from local or cloud snapshot	✓
Store up to 1 million DVX native snapshots per system	✓
App-consistent snaps for Microsoft SQL & Exchange (DVX VSS agent)	✓
Multi-site (NxM) asynchronous host-based Elastic Replication	✓
Deduplicated, forever incremental replication with time-based throttling	✓
Remote snapshot retrieval from source UI (Cloud or remote DVX)	✓
Datrium Cloud Backup – forever-incremental offsite backup in AWS S3	Separate License Needed
Datrium ControlShift – SaaS DR orchestration (DVX → DVX or DVX → VMwareCloud on AWS)	Separate License Needed
Security	
Support for VMware vSphere lock-down mode (normal and strict)	✓
Software-based Blanket Encryption (FIPS-140-2 validated)	✓
Data encryption in host flash, on the network, and at rest	✓
In-built internal key manager (with support for tenant key rotation)	✓
Dual encryption password capability (password failsafe)	✓
Encrypted DVX lock-down mode for secure transport	✓
Replication over secure connection (SSL/TLS)	✓
Secure host-based Multi-tenancy for files & datastore isolation (multiple datastores)	✓