

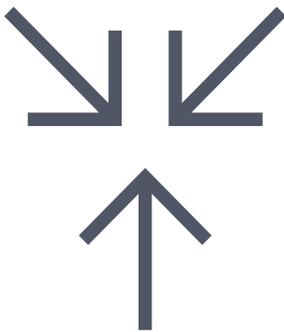
# Datrium Automatrix Platform



## DATASHEET

As IT transforms to deliver with more agility into the On-Demand Economy, it has to change. There are too many products to manage data, and differences increase in multiple clouds. This keeps administrative load too high, limits workload portability, and makes governance across sites nearly impossible.

Datrium Automatrix is the first autonomous data platform to converge the five essential data services - primary storage, backup, encryption, mobility and DR - with a consistent operating experience across multiple clouds. It eliminates product sprawl, workload immobility, and siloed data management to remove the roadblocks to business agility, while optimizing IT investment and mitigating risk.



### Converge and Consolidate for IT Transformation

The cloud-first architecture of AutoMatrix enables the next level of consolidation for IT transformation, including software-defined converged infrastructure and SaaS-based governance services. This is enabled by:

#### Unifying Primary and Backup Capacity

Datrium is a pioneer in the storage of primary and backup data in a single, hyper-efficient matrix. This approach reduces product sprawl, offers industry-leading IO performance, and enables instant restores at the workload level, from 5 minutes ago or from an archived policy group. AutoMatrix ensures resilience across multiple types of cloud platforms.

#### Encrypting and Mobilizing Data

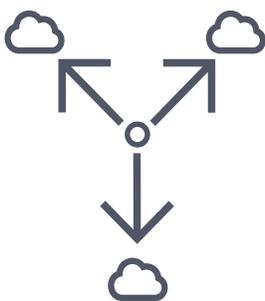
AutoMatrix operating consistency includes simple, efficient, WAN-optimized mobility with universal dedupe. Based on simple workload policies, it also includes end-to-end encryption to secure data in use, in flight and at rest without sacrificing aggressive data reduction.

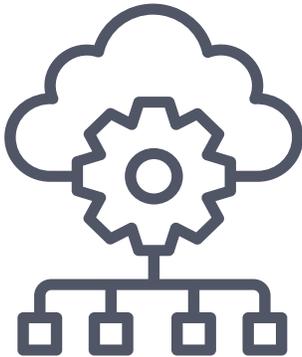
#### Autonomous for Simplicity

Automatrix includes the core policy, indexing, compliance verification, and automation underpinnings to make data management and planning simple across multiple clouds. Through automation, it eliminates storage administration. Each DVX store plays a role, enabling an auditable network of data.

### Make Data as Portable as Workloads

Workload migration to clouds involves many choices. Which cloud? Which native APIs? While each will offer SLA and price advantages, anything unique is a lock-in factor against future portability. While VMware Cloud and Kubernetes are making strides in standardizing compute orchestration, data APIs are still cloud- or function-specific.





Using the power of AutoMatrix on multiple clouds, portability becomes much more straightforward. The hard work has been done to support the most varied platforms: Enterprise networks and commodity hardware. Now, the same Automatrix platform is in regional CSPs, on AWS for VMware Cloud and soon, Kubernetes.

With Datrium Forward software subscription licensing, this investment is portable across clouds, like the workloads themselves.

### Manage Data from Cloud Applications

Providing data governance for one site is a hassle if it is sprawled across multiple systems; it is worse if data is in multiple stacks in multiple clouds. Automatrix is built to enable simple, policy-driven controls across clouds. Within the platform, it includes essential functions such as data indexing and compliance automation to enable simple, global data management apps.

### Rich Functionality Across Clouds

Automatrix interfaces are common wherever it is supported. Its governance automation is consistent. Service apps that rely on it can depend on consistent, rich functionality across sites.

### Controls as Available as the Data

By enabling control apps such as DR orchestration as SaaS, Automatrix allows controls to work independently of the site running your workloads to help ensure application availability. Datrium makes sure the control apps are up and maintained to avoid change-management drift of on-prem software components.

### View From The Outside

When testing resources for mobility across locations, failures can happen anywhere. If power or networking are down, even high-availability systems cannot report back. External visibility from SaaS still can identify blind spots for you.

### Under the Hood: Automatrix Technologies

Powering Automatrix are a number of industry-first technologies, including.

- SaaS-driven application framework to enable ControlShift and other data management applications to follow;
- Workload-centric policy automation and catalogs for built-in backup and DR: native, and distributed for simple scaling and search, for recovery at the VM, container, guest-file or Datacenter level with instant RTO;
- Blanket Encryption, uniquely combining extreme data reduction and encryption in use, in flight, and at rest;
- Split Provisioning, designed for the split of performance and capacity on public clouds, and available on prem in the DVX software-defined converged infrastructure. Split Provisioning is the starting point for Automatrix' convergence of primary and backup storage, while also enabling industry leading performance and resilience at scale.

Learn more about Datrium at [www.datrium.com](http://www.datrium.com).

