

ScienceLogic improves software developer productivity with Datrium DVX

SCIENCELOGIC CASE STUDY



Technology
www.sciencelogic.com

Challenge

Service disruptions hindered developers, but investing more in XtremIO wasn't in the budget.

Results

- 100% uptime since the move to Datrium DVX
- Six-figure annual savings in labor
- 3x deduplication and compression
- Storage configuration in a fraction of the time
- A stable solution for customer-facing services

“Before, we weren't completely confident with our storage provider and that lack of trust had a direct impact on our developers. Datrium keeps up with all the loads we throw at it and we have maintained 100% uptime since installing DVX.”

Scott Hudson
Systems Administrator

Company Challenge

Service Disruption Hinders Progress

As artificial intelligence makes its way into day-to-day business, ScienceLogic leads the way with AI for IT operations (AIOps) for some of the world's largest companies. The company's SL1 solution pulls data from across clients' IT systems to give them actionable insights to resolve and predict problems faster.

Based in Reston, VA, the company runs three data centers with Dell virtualized servers. It's a data- and development-intensive environment with an unusual read/write ratio of 30:70.

“During a typical busy day, our developers effectively re-write our entire dataset,” said Scott Hudson, Systems Administrator, “so the data center must hold up under this load to support our business.”

Given those unique demands, storage has often been a bottleneck. Over time, the company had built a mix of storage devices that included Dell EMC XtremIO, VMware vSAN, Dell EqualLogic, EMC VNX and NetApp.

As ScienceLogic began reaching the limits of its capacity, the infrastructure became less stable. At least once a quarter, service disruptions would halt developers for up to two days – a five-figure-a-day disruption that threatened deadlines.

With a substantial investment in XtremIO, the company preferred to move loads there but had run out of space. Adding more simply wasn't in the budget.

Results

Converged Infrastructure that Keeps Pace

ScienceLogic found a win-win solution in Datrium's Automatrix platform, which converges primary storage, backup, DR, encryption and mobility. Not only could it handle the loads, but it also fit the company's budget. After Datrium DVX exceeded expectations in a trial, ScienceLogic deployed the solution for its entire development environment and a new data center.

“Stability is critical in our software-as-a-service (SaaS) solution. If our monitoring software isn’t working as it should, it impacts clients’ businesses and ours. We’re confident that Datrium is a stable place for our customer-facing solution.”

Scott Hudson
Systems Administrator

With Datrium autonomous data services, the company gained 3X the deduplication and compression, which provided considerable space for its growing data needs. It also delivered all the throughput needed to handle writes simultaneously across several hundred databases – making for a much more stable environment.

“Before, we had issues a couple of days a quarter and software projects could fall behind, not to mention the impact of temporarily impeding the progress of our developers,” Hudson said. “Datrium keeps up with all the loads we throw at it and we have maintained 100% uptime since installing DVX.” under one millisecond measured at

Point-and-Click Management

Datrium also lightened the load for Hudson and the rest of the team. From the start, Datrium installed more easily than incumbent solutions. The team could also manage the complete Datrium server and storage solution via vCenter instead of a separate login for storage. Compared to XtremIO, Datrium reduced configuration down to a fraction of the time.

“We point and click and it’s done,” Hudson said. “It’s plug-and-play and much simpler than a standard SAN solution.”

A Stable Place for Customer-Facing Services

As the company anticipates tripling in size, Datrium DVX will be integral to maintaining adequate capacity, performance and stability. Next, ScienceLogic plans to add an additional Datrium DVX for the hosted offering of its SL1 solution.

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About ScienceLogic

ScienceLogic is a leader in IT Operations Management, providing modern IT operations with actionable insights to predict and resolve problems faster in a digital, ephemeral world. Its solution sees everything across cloud and distributed architectures, contextualizes data through relationship mapping, and acts on this insight through integration and automation. Trusted by thousands of organizations, ScienceLogic’s technology was designed for the rigorous security requirements of United States Department of Defense, proven for scale by the world’s largest service providers, and optimized for the needs of large enterprises.

Learn more about Datrium at www.datrium.com.

