



A “NoOps” Approach to optimizing your cloud storage

SpartanNash removes the inefficiencies of manual provisioning with Lucidity Auto-Scaler



77%

Reduction in Azure Disk costs
Increased disk utilization from
17% to 80%

0 Downtime

Auto-expand disks in
120sec to ensure
optimum provisioning

80%

reduction in DevOps efforts
Automated capacity planning &
provisioning with 2-clicks

Summary

SpartanNash modernizes its cloud infrastructure to become truly cloud-ready and adopt the NoOps cloud experience.

With the help of Lucidity, SpartanNash is now automating their cloud storage capacity planning, removing any hassle of provisioning and downtime. It enables them to better optimize their cloud costs, reducing their present Azure disk bill by 77%.

The company's transition from an error-prone manual cloud orchestration to a "NoOps" approach ensures them zero downtime, and drastically reduces DevOps and resources requirements.



Company Overview:

SpartanNash Fortune 500

Headquarters Michigan, US

Revenue \$9.3 Billion

Industry: Food and Grocery retail

Quote: "Lucidity is the first in the space of NoOps and addresses some important challenges for us in capacity management, cost and effort optimization."

Jay Dhakar - Cloud Migration Architect,
SpartanNash



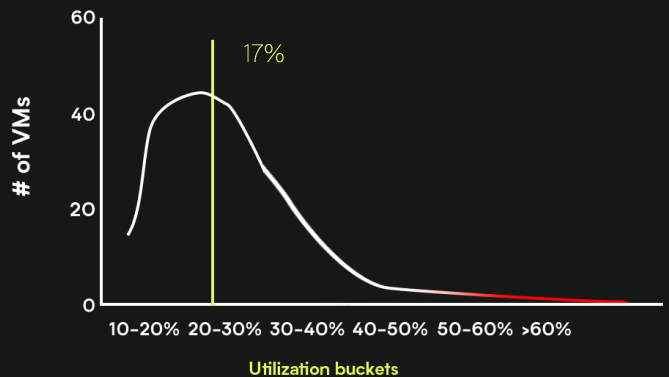
Challenges

Juggling inflated costs and threat of downtime, Managing your cloud storage can be a manually tedious and intensive task. DevOps typically have to balance availability, performance, and cost while managing a cloud storage infrastructure. Doing it manually is no easy feat and bound to have errors.

For SpartanNash, the story was no different. They were stuck between ensuring uptime, handling peak loads and keeping DevOps efforts at a minimum. And to facilitate this approach, they used to keep their disk utilization at 17%, inflating the storage costs.

Key Barriers:

- Technical Limitations
- Tedious DevOps efforts in frequent scaling
- Downtime risks
- Error-prone manual capacity management



In their journey towards becoming cloud ready, these barriers continued creating hiccups as SpartanNash faced numerous complexities running its IT infrastructure. And as a result, they struggled to achieve the promised ROI of moving to cloud.

SpartanNash knew that they were overspending on Azure storage services. Their hands were tied due to the technical and manual provisioning barriers. They wanted an automated orchestration solution that can automate the hassle of provisioning and capacity management.



Jay Dhakar

Cloud Migration Architect

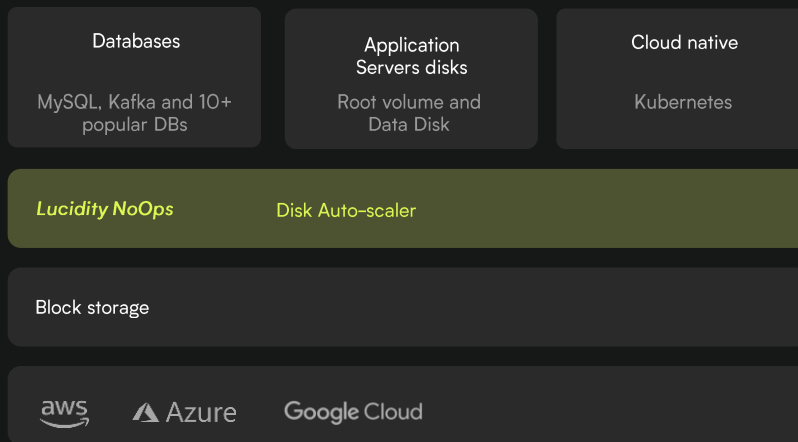


"There is no native functionality provided by the cloud vendors to increase disk without downtime and we cannot shrink a disk when the provisioned capacity is not needed"

Solution

Creating a NoOps Smart storage with Lucidity


For SpartanNash, the goals were clear. They wanted a solution to help them become truly cloud ready, and optimize their cloud storage costs, without the hassles of manual provisioning. This is where Lucidity came in. Lucidity has built an industry-first autonomous multi-cloud block storage Auto-scaler, making your storage economical, reliable and effortless. It creates an orchestration layer on top of your block storage to automate cloud storage management and shield away the hassles of manual provisioning.



The Lucidity Auto-Scaler analyzes SpartanNash's usage metrics to figure out the right storage configuration and keeps tuning it continuously to ensure that the workload always gets the resources it needs.

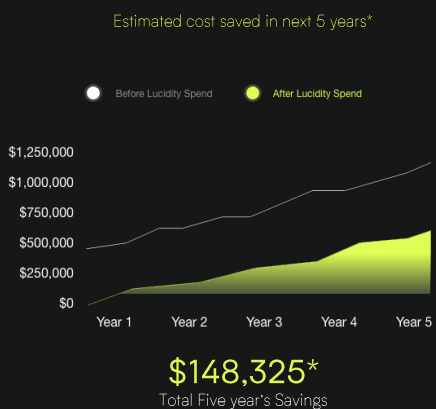


- Ensures an optimum range of 75-80% disk utilization, reducing disk costs by 77%
- Auto-expands the storage in 120 secs ensuring zero downtime even during a sudden surge
- Deployment and maintenance only takes 2 clicks, reducing DevOps efforts by 80%

	Before Lucidity	After  Lucidity	
Storage cost	\$ 35,389 per year	\$ 19,783 per year	49% savings
DevOps time (Days Per month)	1 FTE	0.2 FTE	80% FTE saved
Downtime due to Infrastructure provision	Once every quarter	Nil	Zero Downtime

For one Dev Subscription,

Before Lucidity	After Lucidity
\$2,949 Average Monthly Bill	\$982 Optimized monthly Bill
\$35,389 Estimate Annual Bill	\$19,783 Optimized Annual Bill
	49% Cost Savings



Key highlights

- Each expand operation took an average of 120 seconds
- Each shrinking operation lasted for an average of 1 minute.
- The Auto-scaler operated with a minimal IOPS footprint of 50 IOPS

About Lucidity

Lucidity is a cloud-first software-defined storage NoOps orchestrator. It unlocks cloud block storage capabilities making cloud storage reliable, performant, and economical with zero effort. Lucidity enables cloud optimization even for your legacy applications, as infra ops teams can now unlock cloud-native functionalities for block storage apps without any code changes. Leading Infra, DevOps, FinOps and CIOs alike have all trusted Lucidity in becoming cloud-ready and have adopted the NoOps cloud experience.

Trusted by



Food & Grocery Retail
Fortune 500, US, Rev. \$10B



Conversation Media Platform



Financial Services
India, Rev. \$345M



IP translation & search services
Rev: \$432M



Cloud Services
Rev: \$8.56B