Ease Your IT Burden With Intelligent Storage

Eliminate Manual Storage Troubleshooting With AI and Predictive Analytics

Today's IT managers battle a rising tide of storage volumes threatening business agility with bottlenecks and downtime. The problem? Enterprises are drowning in the estimated 160 zettabytes of data that will be created by 2025.[1] They are also ill prepared to accommodate the 60% of the global GDP that will be digitized by 2022.[2] Companies that aren't equipped to meet these storage demands risk losing competitive standing. As many as 79% of executives say those who don't embrace big data will lose their competitive position — in fact, 83% say they have already embraced big data to gain a competitive edge.[3]

What's holding businesses back? IT managers are spending more time managing storage volumes than optimizing data for business advantage. For example, two in five data professionals now spend more than half of their work week on tasks unrelated to data analysis — and 44% say more than half of their team's work week is spent collecting, integrating, and preparing data, while 31% say their teams spend 21 or more hours a week on data housekeeping.
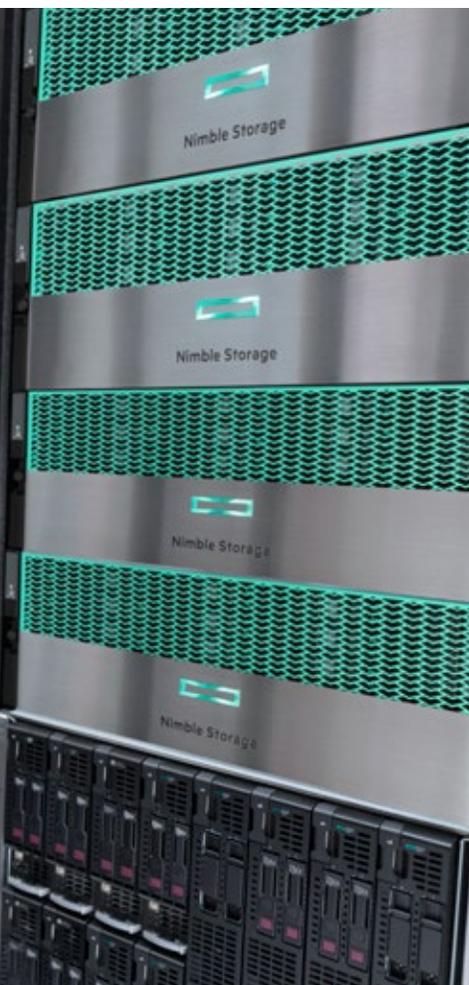
More than half of a data professional's work week is spent on data housekeeping instead of optimization and analysis.[4]

Storage Management: From Complex to Autonomous
The manual oversight of storage management is driving many companies to investigate the use of artificial intelligence (AI) with storage solutions to automate routine tasks and troubleshooting. The shift to intelligent storage volumes driven by machine learning and analytics frees IT staff to focus on business initiatives instead of housekeeping tasks. Additionally, the automated, AI-driven data insights deliver much-needed intelligence to the business.

HPE Nimble Storage for predictive analytics. HPE Nimble Storage is a flash-accelerated solution that integrates with the HPE InfoSight analytics engine to predict and prevent up to 86% of storage problems before they can impact the business.[5] The value of this storage approach can be seen in the complexity of mitigating storage trouble tickets, as 54% of storage bottlenecks occur deep within the stack, where they are time consuming to identify and repair.

Multicloud efficiency for data mobility. Advantages of AI-driven HPE Nimble Storage can be seen in the management of cloud storage volumes. As more companies embrace the public cloud for scale and economy, the inability to optimize storage between the data center and cloud resources creates a bottleneck. HPE Nimble Storage is architected with a multi-cloud flash fabric that lets data center managers migrate and manage data between on-premises and cloud locations for improved mobility that supports users and applications.

Prescriptive Management Benefits and ROI

Predictive insights produced by HPE Nimble Storage are gained from analytics gathered across 12,000 instances of app problems across 7,500 customer environments.[6] Once deployed, HPE Nimble Storage provides prescriptive resolutions to storage problems autonomously. This intelligence eliminates most of the manual oversight associated with ensuring storage reliability for dispersed data center environments running mixed workloads with different requirements for performance. This allows data center managers to:

- Identify storage issues early
- Reduce storage impact on users and applications
- Eliminate the need to respond to repetitive issues
- Continually improve performance and availability of storage volumes

Advantages of HPE Nimble Storage Configured With HPE InfoSight

Fewer Storage Tasks[7]

- 79% lower IT operational costs
- 73% fewer trouble tickets
- 85% less time spent resolving storage-related trouble tickets
- 69% faster time to resolution for level 3 events

Competitive and Operational Advantage[1]

- 99.9999% data availability
- 65% faster time to market
- 79% reduction in storage OpEx
- 20X reduction in cloud storage costs

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[1]HPE, "Make Your Storage and All of IT Smarter," Nov 2018.
[2]IDC, "IDC FutureScape: Multiplied Innovation Takes Off, Powered by AI," Oct. 2018.
[3]Forbes, "10 Charts That Will Change Your Perspective of Big Data's Growth," May 2018.
[4]Digital Analytics Association, "TMMData, creator of flexible data integration and preparation platform Foundation, partnered with the Digital Analytics Association," Nov 2017.
[5]HPE, "HPE InfoSight Storage" web site, accessed Jan 2019.
[6]HPE, "Machine Learning Boosts Application Uptime," accessed Jan 2019.
[7]ESG Research Insights, commissioned by HPE Nimble Storage, "Assessing the Financial Impact of HPE InfoSight Predictive Analytics," Sept 2017.

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