

# The Economics of Simple

## The Cost Benefits of Enterprise-Grade Reliability in HPC Storage

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# Simplicity as Innovation

2019 Hyperion HPC Site Survey\*

## Purpose

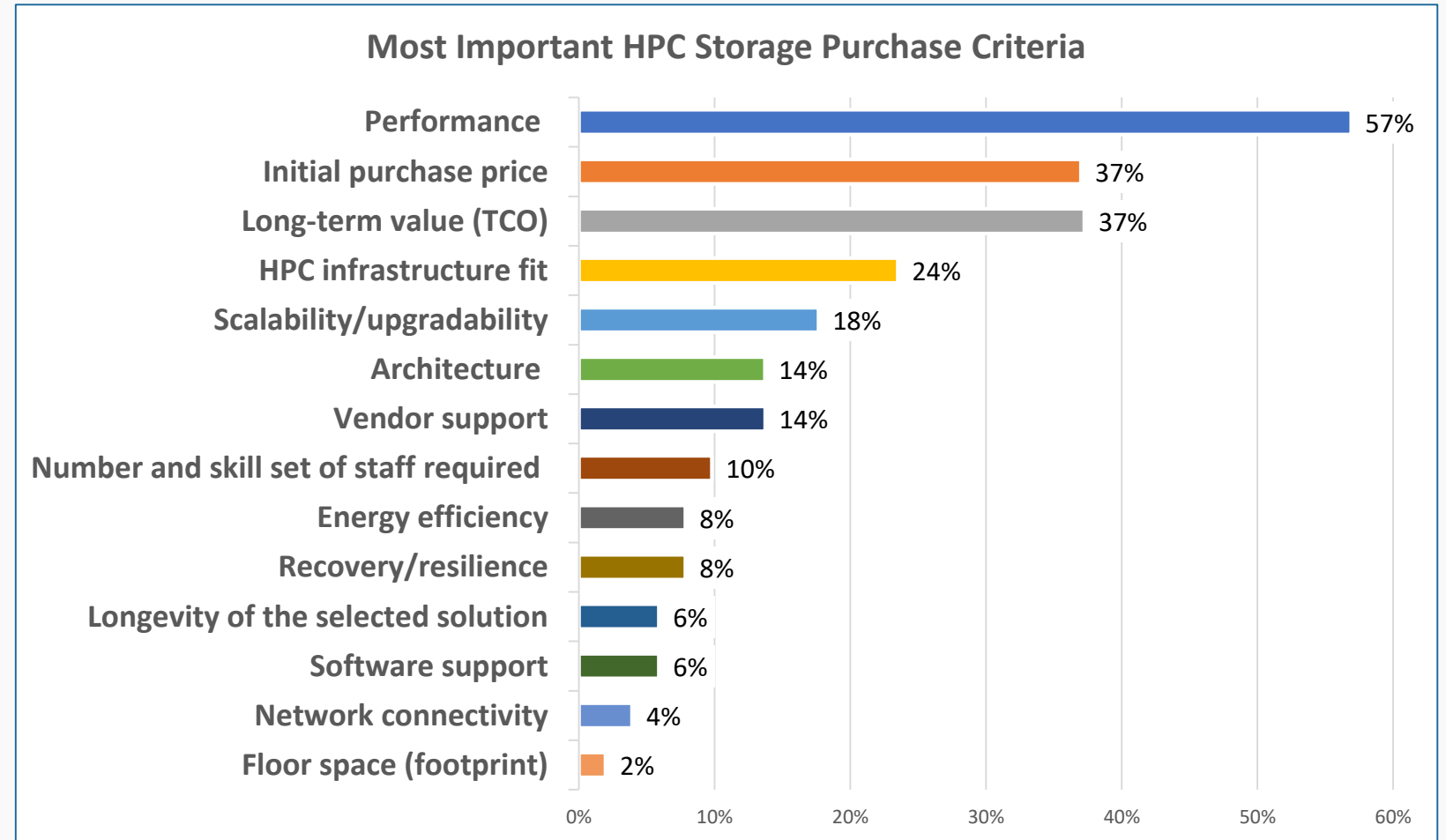
- Identify key challenges in HPC storage deployment, contrast TCO vs. acquisition cost, and determine the benefits of simplified management

## Survey Participants

- Data center planners and managers
- Purchasing decision makers
- HPC storage system managers/users

## Regions Covered

- Asia
- EMEA
- North America

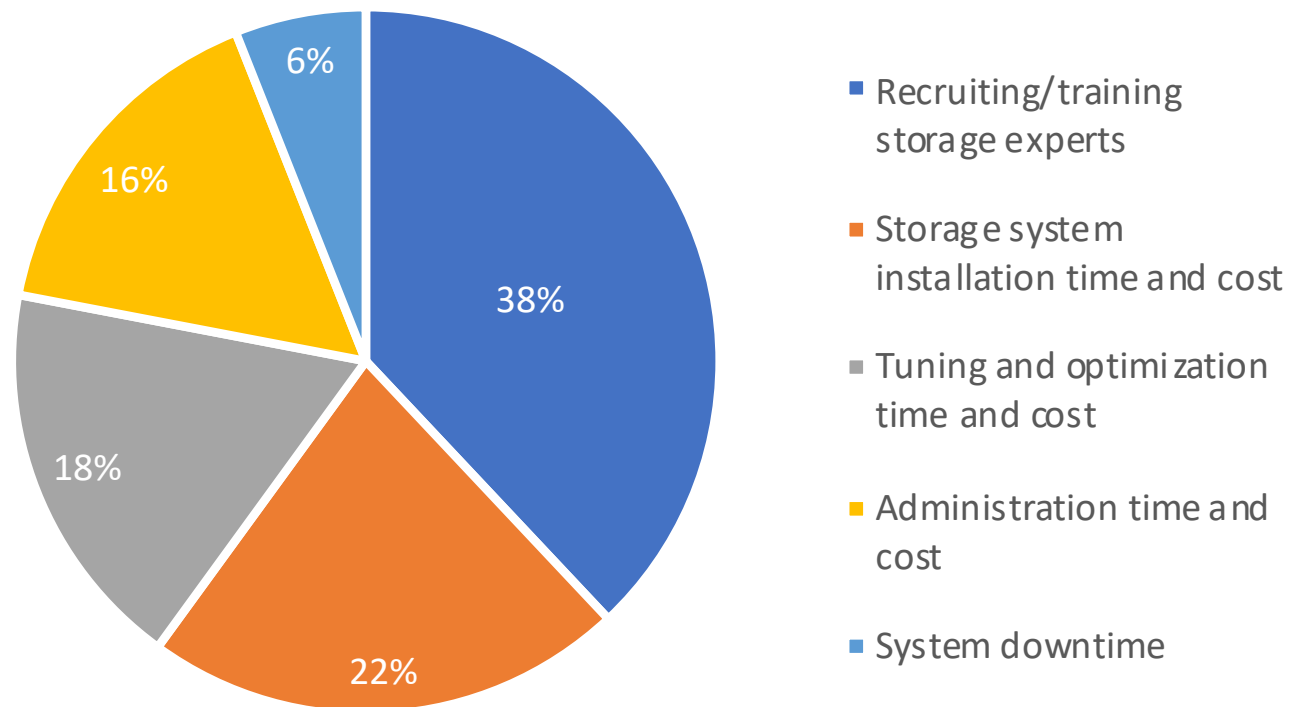


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# Why Is Simplicity Disruptive?

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Most Challenging Storage Infrastructure Operational Aspect (%)



# What Does **Simplicity** Do for the End User?

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**78%**

**Of HPC sites report storage-related issues negatively impact user productivity**

- 42% of HPC sites experience storage failures monthly

**60%**

**Of HPC sites require more than one dedicated person to manage their storage**

- 18% of HPC sites require four or more dedicated staff to manage their storage systems

**32%**

**Of HPC sites using Lustre, BeeGFS, or Spectrum Scale spend more than \$300k annually on storage management staffing**

- 19% spend over \$500k to support storage infrastructure

**25%**

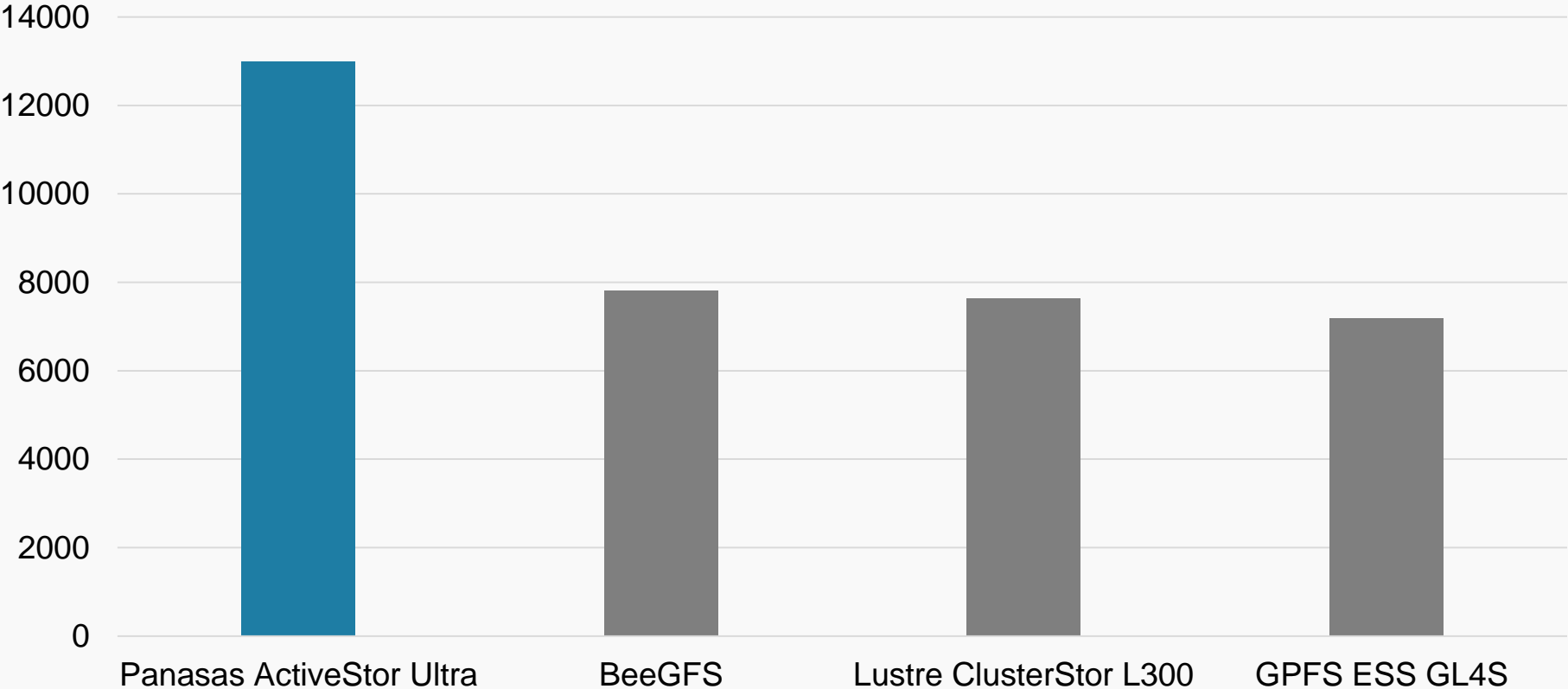
**Of HPC sites estimate a day of downtime costs more than \$100K**

- 10% reporting more than \$500K in downtime costs

# Leadership Performance & Simplicity

No Need to Trade One for the Other

Panasas v. Competition MB/s/100 HDD



# How You Can Help?

Consider What the Impact of Simplicity Can Have on Your HPC Operations

## Highest Performance

Consistently fast regardless of workload.

## Frustration-Free

Set it and forget it.

## Flexibility

Dynamically adapt to changing workloads.



## Lowest IT Support Cost

Competitive acquisition cost combined with lowest cost of operation.

## Reliability

Uninterrupted user experience.

## Timely, Quality Support

Single vendor problem resolution. No finger pointing.



Thank You

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