

Reduce storage costs and build for the future

SUSE Enterprise Storage on HPE Apollo and ProLiant servers

Take advantage of intelligent, software-defined storage management that lets you deliver highly scalable, resilient, and cost-efficient storage that seamlessly adapts to changing demands.

SUSE Enterprise Storage is:

- **Scalable:** From tens of terabytes to petabytes
- **Self-managing:** To optimize system performance with no administration involvement
- **Highly available:** Due to a redundant system design with no single points of failure



The idea economy = expanding data storage demands

Traditional storage architectures are straining under the rapid growth of data, fueled by the expansion of unstructured data, video storage, and the pervasiveness of mobile devices.

Enterprise-class storage subsystems are designed to address storage requirements for business-critical transactional data latencies. However, they may not be an optimal solution for unstructured data and backup/archival storage. In these cases, enterprise-class reliability is still required, but so are massive scale-out capacity and lower costs.

Embrace enterprise-class open source storage

Open source storage software solutions are designed to run on industry-standard server platforms, offering lower infrastructure costs and scalability beyond the capacity points of typical storage systems.

SUSE Enterprise Storage is an intelligent, software-defined storage management solution, powered by Ceph. It enables IT to transform enterprise storage infrastructure to deliver highly scalable and resilient storage that is cost-efficient and able to seamlessly adapt to changing business and data demands.

Solution brief



Key features

SUSE Enterprise Storage provides industry-leading storage functionality, including:

- Self-repairing
- Cache tiering for performance
- Thin provisioning for optimized utilization
- Copy-on-write clones for application rollback
- Erasure coding for space-efficient resilience
- Unified object, block, and file system storage¹
- No disruptive scalability of capacity online
- Heterogeneous operating system access (iSCSI)
- Data at rest encryption
- Rolling upgrades

¹ File system storage offered as a technical preview



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Key solution benefits

Highly scalable and resilient

SUSE Enterprise Storage on HPE Apollo and ProLiant systems deliver a single unified software-defined storage cluster that provides applications with object, block, and file system storage.¹ The cluster is designed with no single points of failure to maximize system resiliency, with unlimited scalability from terabytes to petabytes, and to maximize application availability following hardware failures.

Enhancing enterprise scalability, the latest generation of HPE ProLiant servers and Apollo 4000 family systems feature platform management tools that scale across data centers, server components, and form factors that are optimized for enterprise use cases; hardware platforms where components have been qualified together; and a proven, worldwide hardware support infrastructure.

Reduced IT costs

Traditional storage solutions are expensive to scale in capacity or performance. SUSE Enterprise Storage helps keep capital expenses down by leveraging industry-standard HPE servers and storage. It also reduces IT operational expense with a single tool for managing a storage cluster for your heterogeneous server environment, and helps optimize infrastructure without growing your IT staff by automatically rebalancing data placement without manual intervention.

HPE ProLiant servers further lower your total cost of ownership with simple management and storage tools, along with proven configurations that provide easy remote access and improved energy efficiencies.

Seamlessly adaptable to changing demands

SUSE Enterprise Storage enables you to be highly responsive to emerging business and data needs. It can automatically respond to changing demands with self-managed and self-healing storage that optimizes system performance, and enables you to easily provision and seamlessly deliver additional storage without disruption. Maximum flexibility via industry-standard HPE hardware lets you re-purpose the storage if business priorities change.

The simplified but comprehensive management suite and industry-leading support included with HPE ProLiant servers and HPE Apollo 4000 systems helps increase IT staff productivity and expedite service delivery.

In addition, Hewlett Packard Enterprise offers financing options, services, and a channel network to significantly increase the speed of IT operations and enable IT to respond to business needs faster.

Learn more at
hpe.com/partners/SUSE