



FrostByte™

FROSTBYTE WITH RED HAT CEPH STORAGE HIGHLY AVAILABLE OBJECT AND BLOCK STORAGE

Overview

Rapidly changing businesses requirements are generating demands for greater data center flexibility, application-tunable features, and web-scale functionality. But traditional, monolithic storage appliances are not equipped to keep up. The Penguin Computing line of FrostByte™ software-defined storage systems, however, was purpose-built to meet the needs of modern workloads. This series of open, Linux-based technology is built on best-in-class hardware and is optimized for Red Hat® Ceph Storage. Red Hat Ceph Storage provides highly available object and block storage. As a result, you can stay agile — and on budget — as your data center grows and organizational needs change.



Features & Benefits

- Best-in-class hardware, engineered for optimal performance and reliability.
- Highly scalable architectures with configurable capacity, data-protection, and simple administration.
- Leading storage filesystem for OpenStack® that is ideal for elastic, web-scale use cases, including cloud infrastructure, databases, media and entertainment, machine data logging, archival and disaster recovery, as well as network function virtualization.
- Available with expert support and SysAdmin-as-a-Service options as well as fully-hosted Storage-as-a-Service, both supported by Penguin Computing Capital.

Choose Ceph for:

Flexibility

Supports object and block storage with application programming interfaces (APIs) for Red Hat Ceph storage native object access protocols as well as OpenStack Swift and S3.

Elasticity

Storage pools are abstracted from hardware, so each can be managed independently. Grow or shrink storage pools without down time and easily scale-out to exabyte capacities.

Reliability and availability

Striping, erasure coding, replication, and snapshots, along with self-healing and automatic rebalancing ensure data protection and resilience.

Simplified administration

Manage and monitor the entire storage cluster from an easy-to-use graphical console, command-line interface, or programmatically.

Performance

Tune with storage policies that reflect service level agreements, performance requirements, and failure

Security

Integrate with authentication and authorization services, such as Active Directory, Lightweight Directory Access Protocol, and Keystone. Limit access at the pool, user, bucket, or data level. Implement cluster-level and at-rest encryption.



System Administration and Managed Hosting Capabilities

Increase the effectiveness of your data center and reduce your expenses with expert professional services, including remote, SysAdmin-as-a-Service. Reduce capital costs even further with managed hosting via Storage-as-a-Service for any of the FrostByte line of storage systems.

Learn More

Choose the FrostByte design that best suits your workload at www.penguincomputing.com/frostbyte. For pricing on your specific configuration, contact a representative by email at sales@penguincomputing.com or call 1-888-PENGUIN (736-4846).

Purchase with Financing

Finance products, services, even soft costs, with Penguin Computing Capital. Choose from options such as no money down, flexible billing choices, extended repayment timelines, and a variety of end-of-term alternatives.

About Penguin Computing

Penguin Computing, Inc. is a 20-year-old, U.S.-based global provider of high-performance computing (HPC), artificial intelligence (AI), and data center solutions with more than 2,500 customers in 40 countries, across eight major vertical markets. Penguin Computing offers a comprehensive portfolio of hardware, software, and services, including solutions based on the Open Compute Project (OCP), as well as financing and top-rated customer support. Penguin Computing products include Linux-based servers, software, integrated, turn-key clusters, enterprise-grade storage, and bare metal HPC on cloud via Penguin Computing® On-Demand™ (POD). Visit us at www.penguincomputing.com.

About Red Hat

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT. Learn more at www.redhat.com.

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