

## FROSTBYTE WITH RED HAT GLUSTER STORAGE

FLEXIBLE, SCALE-OUT NAS FILE 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 optimized for Red Hat® Gluster Storage. Red Hat Gluster Storage provides proven, file-based storage for massive, high-performance scale-out. 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 simplified administration.
- Leading storage file system for virtual machine images, persistent container storage, big data analytics, media and entertainment, nearline and archival storage, and disaster recovery.
- 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 Gluster for:

### | File-based storage

Storage is presented as a single, POSIX-compatible, global namespace. No need to rewrite applications.

### | Elastic scalability

Grow or shrink storage volumes without down time. Easily scale to tens of petabytes.

### | Reliability and availability

Data protection options include synchronous n-way file replication, asynchronous geo-replication, erasure coding, snapshots, and bit-rot detection.

### | Security

Supports security-enhanced Linux (SELinux) enforcing mode with secure sockets layer (SSL) in-flight encryption.

### | Simplified administration

Use the command-line interface or the easy-to-use graphical dashboard for administration and monitoring. Volumes are self-managing and self-healing, reducing operational

### | Performance

Files are algorithmically distributed across members of a volume, making them easy to retrieve and eliminating single points of failure and I/O bottlenecks. Performance scales linearly with additional storage servers.

### | Compatibility and accessibility

Volumes can be accessed through the high-performance Gluster native client as well as industry standard network file system (NFS) and server message block (SMB)/common internet file system (CIFS) protocols. Hadoop Distributed File System (HDFS) compatibility can eliminate data movement overhead.



## 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](http://www.penguincomputing.com/frostbyte). For pricing on your specific configuration, contact a representative by email at [sales@penguincomputing.com](mailto: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](http://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](http://www.redhat.com).

© 2017 Penguin Computing, Inc. Penguin Computing, the Penguin Computing logo, Scyld, Scyld ClusterWare, Scyld Cloud Manager, Scyld Cloud Workstation, Relion, Altus, Penguin Computing On-Demand, POD, Tundra, Arctica, and FrostByte are trademarks or registered trademarks of Penguin Computing, Inc. Red Hat and the Shadownan logo are trademarks or registered trademarks of Red Hat, Inc. or its subsidiaries in the United States and other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries. Java is the registered trademark of Oracle America, Inc. in the United States and other countries. The OpenStack word mark and the Square O Design, together or apart, are trademarks or registered trademarks of OpenStack Foundation in the United States and other countries, and are used with the OpenStack Foundation's permission. Red Hat, Inc. is not affiliated with, endorsed by, or sponsored by the OpenStack Foundation or the OpenStack community. All other trademarks are the property of their respective owners.