



FROSTBYTE WITH THINKPARQ BEEGFS STORAGE FLEXIBLE, HIGH-PERFORMANCE STORAGE SOLUTION

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, is 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 ThinkParQ® BeeGFS® Storage. BeeGFS is ideal for demanding, high-performance, high-throughput workloads found in HPC, life sciences, deep learning and cognitive computing, big data analytics, media & entertainment, financial services, oil and gas, and other data intensive analytics. 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 scalable, high-performance and high-throughput storage, perfect for high-performance computing, artificial intelligence, and data analytics.
- 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 BeeGFS for:

| File System Performance

BeeGFS was designed from the start to meet the performance and throughput demands of High Performance Computing.

| Flexibility

The modular design, native Linux support, and capability of using a wide variety of hardware make the file system incredibly flexible. With numerous tuning options, storage pools, and built-in mirroring, BeeGFS is able to address many workload requirements.

| Scalability

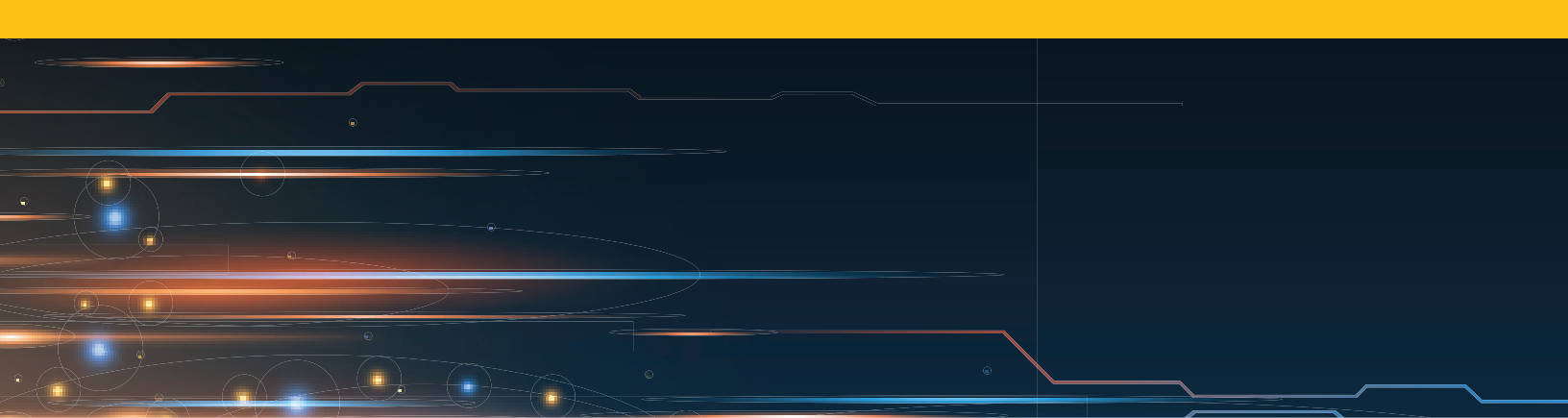
Its scale-out design means the file system can grow cost-effectively to meet business needs, even to exabyte scale.

| Reliability

Built-in replication functions, dynamic network failover, and self-healing make BeeGFS a solidly reliable file system.

| Ease-of-Use

With command-line, API, and a Graphical Administration and Monitoring tool, BeeGFS is designed to be easy to use. And, since the storage is based on the POSIX file system interface, applications do not need to be rewritten or modified to take advantage of BeeGFS.



BeeOND (BeeGFS On Demand)

BeeOND allows on-the-fly creation of a complete, parallel file system instance on a given set of HPC compute nodes with just one command. BeeOND was designed to integrate with cluster batch systems (e.g., PBS, SLURM, etc.) to create temporary, parallel file system instances on a per-job basis. This provides a very fast, buffer while keeping much of the I/O load for temporary, random file access away from the global cluster storage.

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 ThinkParQ

ThinkParQ was founded as a spin-off from the Fraunhofer Center for High Performance Computing by the key people behind BeeGFS to bring fast, robust, scalable storage to market. ThinkParQ is responsible for support, provides consulting, organizes and attends events, and works together with system integrators to create turn-key solutions. ThinkParQ and Fraunhofer internally cooperate closely to deliver high quality support services and to drive further development and optimization of BeeGFS for tomorrow's performance-critical systems. Visit us at <http://thinkparq.com/>