

Gluster Community Ships GlusterFS 3.7 Software-defined Storage Software

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New data protection and performance features give users storage for extreme data portability and mobility

RALEIGH, N.C.--(BUSINESS WIRE)-- The [Gluster Community](#) today announced the general availability of GlusterFS 3.7 open software-defined storage software. Feature-packed with performance and data protection capabilities, GlusterFS 3.7 delivers effective storage in data-intensive, high availability (HA) enterprise IT environments.

GlusterFS 3.7 includes new data protection features, such as:

Bitrot detection identifies disk errors that silently corrupt data, by signing all files/objects in the volume, verifying data periodically, and logging anomalies.

Erasur-coded volumes provide a flexible, durable alternative to traditional replicated volumes for capacity-optimized use cases.

GlusterFS 3.7 also includes several new performance and data availability features, such as:

Advanced NFS [support including Parallel NFS \(pNFS\)](#) and [Network File System version 4 \(NFSv4\)](#) for Gluster volumes, including NFSv4 delegations (experimental feature) and lease locks, reducing client-server interactions, and enabling increased file operation performance in many scenarios.

Highly-available NFS with NFSv4 delivers enhanced resource monitoring and active-active failover capabilities using [NFS-Ganesha](#).

Performance enhancements based on a new multi-threaded model results in overall reduced re-balance times at large scale and improved storage cluster elasticity. Multi-thread events handle metadata-intensive use cases, including small file workloads and various unstructured data use cases.

Efficient object count underpins the inode quota feature. Optimized lookup of directory object count enables an efficient quota capability based on number of files in a directory hierarchy.

Volume tiering (experimental feature) provides policy-based movement of data between fast and slow media tiers, enhancing performance for many small file workloads. Default configuration provides cache tiering for hot files automatically based on file access patterns.

Supporting Quote

Tom Callaway, manager, software engineering, Open Source and Standards, Red Hat

"Congratulations to the Gluster Community for delivering a rich set of new features and capabilities in the new GlusterFS 3.7 scale-out software-defined storage solution. We thank the growing number of Gluster Community participants from organizations and companies around the world for their tremendous contribution that brings advanced security and data availability in the newest release of GlusterFS."

Additional Resources

Download [GlusterFS 3.7](#)

Read the GlusterFS 3.7 [release notes](#)

About the Gluster Community

The Gluster Community uses community-driven innovation to enable organizations to deploy GlusterFS, an open software-defined storage fabric and platform for extreme data portability and mobility. Using common off-the-shelf hardware and a stackable user interface, GlusterFS delivers large, distributed storage for media streaming, data analysis, and other data- and bandwidth-intensive applications. Free and open source software, GlusterFS supports many petabytes of data through its unified, poly-protocol scale-out filesystem architecture. To interact with the Gluster Community on Twitter, follow [@Gluster](#). For more information about the Gluster Community visit www.gluster.org.

About Red Hat, Inc.

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