

# Gluster Community Delivers Big Data Solution to Advance Enterprise Analytics

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## *GlusterFS Now Integrated with Intel Distribution for Apache Hadoop Software*

RALEIGH, N.C.--(BUSINESS WIRE)-- [Red Hat, Inc.](#) (NYSE: RHT), the world's leading provider of open source solutions, announced today that it has contributed software to the Gluster Community that integrates the GlusterFS open software-defined storage filesystem with the Intel® Distribution for Apache Hadoop\* software (Intel® Distribution). The resulting code, the [Apache Hadoop Enablement on GlusterFS](#) plugin, delivers a big data analytics solution that easily integrates with existing IT infrastructure. The companies jointly validated the reference architecture integrating GlusterFS with the Intel Distribution.

Red Hat has contributed code to the Apache Hadoop community supporting the Hadoop Compatible File System standard and the Intel Manager for Apache Hadoop can now configure, monitor, and manage GlusterFS as a Hadoop-compatible File System (HCFS). The Hadoop Enablement solution avoids the cost and complexity associated with creating and managing another data silo for analytics. The integrated solution was built using community-driven innovation to deliver an open and interoperable solution.

Combining the performance, security, and manageability of the Intel Distribution with the HDFS API compatibility and disaster recovery capabilities of GlusterFS, the integrated solution supports a scalable, cost-effective infrastructure for big data analytics. The Intel Distribution includes security mechanisms such as query authentication, data encryption, role-based access control, and auditing. GlusterFS maintains data locality as the cluster scales, avoids NameNode bottlenecks and the single point of failure in HDFS, and has built-in disaster recovery with its geo replication feature.

Red Hat sees the evolution of analytics extending beyond Hadoop and traditional business intelligence systems into a comprehensive view of end-to-end big data analytics. Most enterprises try to manage big data from three sources, including business-, machine- and human-generated data through a work flow that includes three types of analytics systems – massively parallel processing, Hadoop clusters, and traditional business transaction processing. This broader view of big data requires a general purpose storage repository such as GlusterFS that can store a variety of data in its native format and serve it to a variety of analytics systems through multiple protocols. An end-to-end view of all the enterprise data and all the enterprise analytics systems offers a more comprehensive way to allow for deep business insights and help drive operational intelligence.

### Supporting Quotes

*Ranga Rangachari, vice president and general manager, Storage, Red Hat*

"Red Hat is excited to extend its long-standing collaboration with Intel to bring Hadoop-based big data solutions to enterprises worldwide. The combination of GlusterFS along with Intel Distribution for Apache Hadoop\* software enables enterprises to cost-effectively turn the three types of big data into actionable information in a truly open and interoperable way."

*Girish Juneja, general manager, Big Data Software, Intel*

"With the integration of Intel Distribution for Apache Hadoop\* software with GlusterFS, the software platform for storing and analyzing big data is now designed to perform with even more scalability and security. The solution enables organizations to grow storage and compute resources at pace with data while protecting their investment in the integrated infrastructure from two of the most respected leaders in open source."

### Additional Resources

Learn more about [GlusterFS](#)

Learn more about [Intel Distribution for Apache Hadoop\\* Software](#)

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