Nimble Storage Accelerates Hortonworks Data Platform

Hortonworks

nimblestorage

"Enterprise-level customers are faced with the challenge of managing terabytes of data while also making it actionable and insightful. To minimize complexities and increase the return on investment, enterprises need a storage system that is capable of processing massive amounts of data at scale, while adding layers of data protection through snapshots, consistent backups, timely restores and efficient replication. With Nimble Storage, customers leveraging the Hortonworks Data Platform are now able to deploy a non-disruptive storage system with enterprise-class speed that delivers real-time business insights for faster decision making and sustainable growth."

Radhika Krishnan
VP, Product Marketing and Alliances
Nimble Storage

Modern data architectures process massive amounts of structured, semi-structured, and unstructured data at unprecedented speed, and with a finer level of granularity than ever before. To do that, businesses need a storage infrastructure that delivers performance, capacity efficiency, ease of management, and data protection across a variety of processing methods – from batch and interactive to real-time analytics.

Nimble Storage's Adaptive Flash platform provides the ideal infrastructure for a modern data architecture. Adaptive Flash separates data from compute to deliver the unique performance required by Enterprise Apache Hadoop. Nimble for the Hortonworks Data Platform (HDP) delivers cost-effective performance and capacity, is easy to deploy and manage, and offers integrated data protection.

Unlike traditional storage solutions, Nimble Storage seamlessly offers convergence of data analytics with stored data while streamlining Extract, Transform, Load (ETL) workloads. It eliminates the need to load stored data onto a Hadoop environment as well as the requirement that data must be exported from Hadoop once it has been analyzed.

What Business Challenges are solved?

Cost-Effective Performance

At the core of every Nimble array is its patented Cache Accelerated Sequential Layout (CASL™) architecture. CASL was designed from the ground up to leverage the random read performance of flash, offering the level of performance demanded by Hadoop ETL.
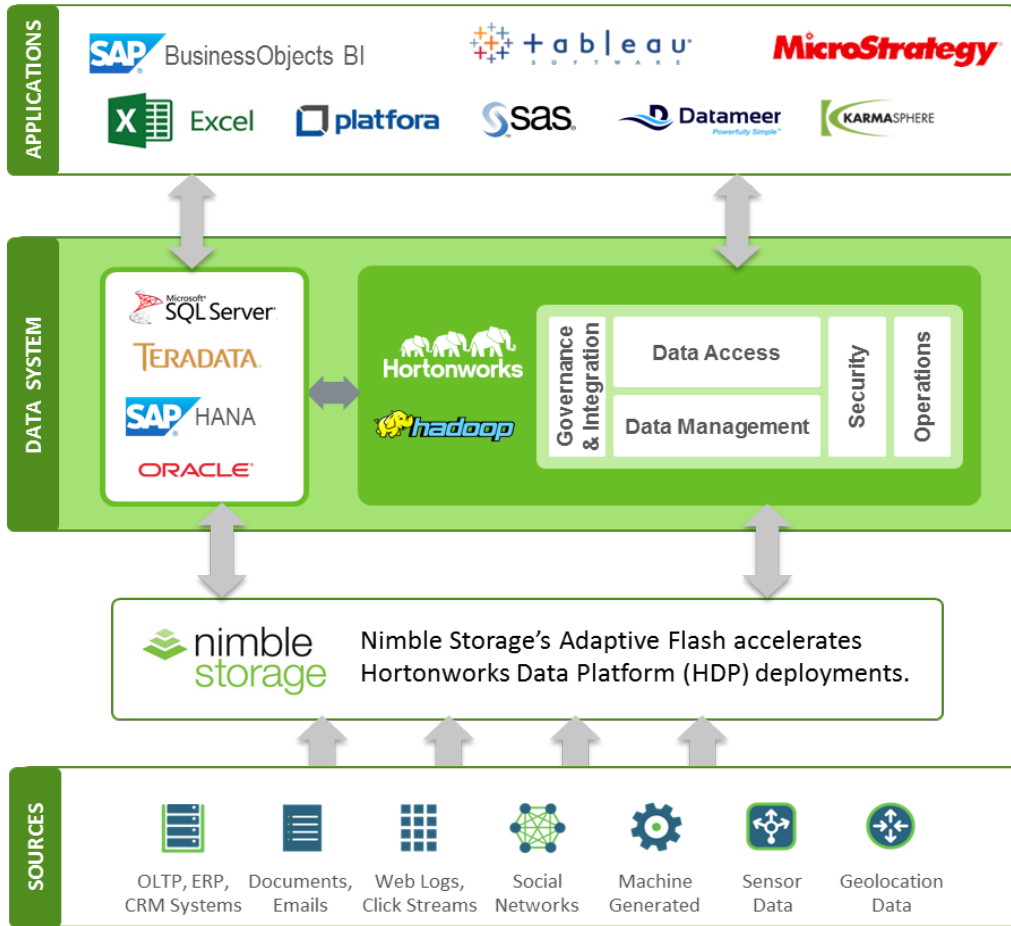
Capacity Efficiency

Nimble's CASL architecture incorporates innovative efficiency features such as inline variable-block compression, offering a 2x improvement compared to traditional storage solutions. Nimble's solutions have achieved greater than "five nines" availability – which gives customers confidence to reduce Hadoop data copies from 3 to 2.

Data Protection

Nimble offers effective data protection for Hadoop environments with frequent snapshots, consistent backups, fast restores, and efficient replication for disaster recovery. Nimble delivers simple and affordable data recovery, eliminating the need for 3-way mirroring.

Nimble Storage in the Modern Data Architecture

Features & Benefits of Combined Solution

Nimble Storage's Adaptive Flash platform dynamically and intelligently deploys storage resources with lightning speed for HDP and Hadoop.

- Enterprise-class flash performance for near real-time business insights.
- Non-disruptive, independent scaling of storage performance and capacity
- Integrated data protection and disaster recovery with frequent and fast backups.

Nimble Storage is a Certified Technology Partner

The Hortonworks Certified Technology Program reviews and certifies technologies for architectural best practices, validated against a comprehensive suite of integration test cases, benchmarked for scale under varied workloads and comprehensively documented.

Hortonworks. We do Hadoop.

Hortonworks is a leading commercial vendor of Apache Hadoop, the open source platform for storing, managing and analyzing Big Data. Hortonworks Data Platform, our distribution of Apache Hadoop, provides an open and stable foundation for enterprises and a growing ecosystem to build and deploy Big Data solutions.

Hortonworks is the trusted source for information on Hadoop, and together with the Apache community, Hortonworks is making Hadoop an enterprise data platform. Hortonworks provides unmatched technical support, training and certification programs for enterprises, systems integrators and technology vendors.

For additional questions, contact:

- Nimble Storage
  www.nimblestorage.com
  (877) 364-6253
- Hortonworks
  www.hortonworks.com
  (855) 8-HORTON