



Fact Sheet

HP Expands AppSystems Portfolio for Better Insight

HP delivers on Big Data analytics to improve resource utilization, customer choice

Overview

Increasingly, organizations are actively investigating the value that Big Data analytics can deliver to them. However, many lack the expertise to deploy and configure a scale-out computing model for optimal performance and resource utilization. They are further challenged by the risks involved when moving from pilot deployments to live production.

To solve these challenges, HP has expanded its [HP AppSystems](#) portfolio to offer improved customer choice and performance of [Apache™ Hadoop™](#), [HP Vertica Analytics Platform](#) and [Autonomy eDiscovery](#) environments built with [HP Converged Infrastructure](#).

Increased performance, management with Apache Hadoop

The expanded [HP AppSystem for Apache Hadoop](#) solution enables clients to quickly deploy analytics to address the growing volumes and sources of data within the enterprise. The preconfigured, factory-integrated rack offering includes software from Cloudera—the leading Hadoop distribution vendor—and cluster management tools from HP, tested by some of the largest hyperscale computing projects for over a decade. Built on HP Converged Infrastructure, the solutions provide lower administrative overhead and seamless scalability.

With the ability to rapidly configure, deploy and manage large Hadoop clusters, clients can now focus on extracting insight from their data, rather than spending time on engineering the infrastructure platform.

Additional benefits include:

- Increased management with HP AppManager for Hadoop, a monitoring tool that provides continual optimization of hardware and software by constantly collecting data from various components and analyzing metrics to ensure there are no performance issues.
- Faster deployment in about 30 minutes ⁽¹⁾ with [HP Insight Cluster Management Utility](#) software to rapidly deploy clusters of any size with push-button simplicity.

- Improved performance by supporting up to five times⁽²⁾ the memory per node with [HP ProLiant Generation 8 \(Gen8\) DL380 servers](#).
- Increased optimization with Cloudera Manager, a software that delivers deep visibility into and across Hadoop to manage cluster resources at the application level, allowing clients to more easily measure service level agreements.

[HP Roadmap Service for Hadoop](#) helps organizations plan the deployment of the Hadoop platform. With best practices, organizational considerations and HP reference architecture, the new service develops a roadmap for successful planning and deployment for Hadoop, including risk and mitigation strategies. [HP Support Services](#) also are available.

High-performance analytics with HP AppSystem for Vertica

[HP AppSystem for Vertica](#) accelerates time to value with high-performance, massively scalable analytics at each layer of IT infrastructure—server, storage, network and management. These improvements allow organizations to scale seamlessly while adding capacity as their analytics needs for Big Data evolve.

[HP AppSystem for Vertica](#) now combines HP Converged Infrastructure with the next generation of the HP Vertica Analytics Platform to deliver dramatically improved scalability and performance over traditional business intelligence and enterprise data warehouse systems. Clients can derive faster insight and value from their data with the simultaneous loading and querying of data, enhancing performance with high availability while significantly decreasing operating costs. Organizations also can achieve:

- Optimized storage footprint by using HP Vertica Analytics Platform to compress data, reducing overall storage costs while speeding access up to 90 percent.⁽³⁾
- Improved analytic queries achieved up to 1,000 times faster⁽⁴⁾ by storing columns rather than rows, as well as by caching data in memory modules.
- Accelerated time to deployment with pre-integrated HP Vertica Analytics Platform 6.1 for Big Data analytics.
- Increased performance with [HP ProLiant Gen8](#) servers that provide intelligent technologies to automate tasks and significantly improve uptime.

Reducing risk with HP AppSystem for Autonomy eDiscovery

With the exponential growth of electronically stored information, traditional methods for compliance and risk have become expensive and are fraught with risk. Electronic Discovery requires scalable infrastructure and advanced tools to control the data volume in legal [HP AppSystem for Autonomy eDiscovery](#) with new, built-in analytics, workflow automation and real-time dashboard reporting capabilities reduces cost and risk for clients, including:

- Streamlined legal discovery operations for faster deployment with the new plug-and-play eDiscovery appliance, allowing organizations to gain control of their electronically stored information for critical litigation and regulatory issues.

- Improved analytics that quickly determine the amount of exposure, allowing organizations to rapidly respond, thereby protecting themselves and their brands.
- Reduced legal spend by more than 50 percent⁽⁵⁾ by pinpointing potentially relevant documents and reducing unnecessary legal review.
- Increased simplicity with the ability to comprehend data through conceptual context-based searches across all file types in more than 140 support languages.
- Enhanced compute power in less space featuring automated energy optimization and integrated life cycle automation using HP ProLiant Gen8 density-optimized servers.

Availability

HP AppSystem for Apache Hadoop, preloaded with Cloudera software, is now available for preorder and will begin shipping later this month. HP AppSystem for Vertica and HP AppSystem for Autonomy eDiscovery will be available in early 2013.

(1) Based on internal testing, deployed 800 nodes in 30 minutes.

(2) HP ProLiant Gen8 DL380P with 768GB memory vs. Oracle Sun Fire X4270 M2 with 144GB memory.

(3) Based on internal testing in customer environment; details: www.vertica.com/wp-content/uploads/2011/01/VerticaCaseStudy-Comcast.pdf.

(4) Based on internal testing in customer environment; details: www.vertica.com/wp-content/uploads/2012/11/Cardlytics_CaseStudy.pdf.

(5) Based on [The IT Manager's Guide to E-Discovery 2011](#), published by the Information Risk Executive Council. This survey reports that insourcing (eDiscovery software) can lead to cost savings of up to 67 percent.

© 2012 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.