



Fact Sheet

HP CloudSystem Simplifies Management of Hybrid Cloud Environments

Overview

Enterprises and service providers are adopting cloud computing to speed innovation, increase agility and lower operating costs. They are building hybrid cloud environments that include services from private, public and managed clouds. However, enterprises are challenged to manage these hybrid environments without being locked into a specific technology choice, limiting their flexibility.

HP has extended its [HP Converged Cloud](#) strategy with enhancements to [HP CloudSystem](#), the industry's first complete, integrated and open cloud platform, to simplify the management of cloud services regardless of underlying technology. Based on [HP Converged Infrastructure](#) and [HP Cloud Service Automation](#) software, HP CloudSystem enables clients to easily build, manage and secure hybrid cloud environments.

HP CloudSystem now supports Red Hat open source Kernel-based Virtual Machine (KVMs) technology, in addition to virtualization technologies from HP, Microsoft and VMware. It also supports physical provisioning for HP server blades. To provision and manage KVMs, HP has incorporated OpenStack technologies directly into HP CloudSystem, so clients get the flexibility of an open solution without the complexity of integrating it into their environment. Current HP CloudSystem users can quickly add KVM support without disrupting management of cloud services. This increased flexibility enables clients to manage varying cloud requirements for cost effectiveness, security and availability.

Simplify the management of cloud resources with cloud bursting

HP CloudSystem simplifies management of hybrid delivery environments with new options to broker service delivery across multiple clouds from a single, integrated point of control.

Leveraging unique cloud bursting capabilities, HP CloudSystem provides instant access to additional capacity on an as-needed, pay-as-you-go basis, enabling clients to easily manage uneven service demands, such as retailers expanding operations to handle increased sales during busy holiday seasons.

New CloudSystem-to-CloudSystem bursting technology enables clients to easily share resources within their own company, increasing the ability to use resources more efficiently. Additionally new bursting connector allows service providers to become HP CloudSystem "bursting" destinations to deliver pay-as-you-go capacity to any HP

CloudSystem customer. These new options complement existing out of the box bursting from HP CloudSystem to HP Cloud Services, Amazon EC2 and Savvis.

Speed time to innovation with new HP Cloud Maps

HP introduced 50 additional [HP Cloud Maps](#), which reduce the time needed to create new cloud services for enterprise applications from months to minutes.⁽¹⁾ The HP Cloud Map portfolio now offers more than 200 maps, including [HP Data Protector](#), which increases reliability and scalability of backups in an HP CloudSystem environment. These prepackaged application templates create a customized catalog of application, database, middleware and infrastructure services ready for push-button deployment, enabling clients to deliver applications and services in a reliable, repeatable manner. As a result they save administration time as well as accelerate the development of complete service offerings.

HP CloudSystem also delivers new capabilities for advanced cloud deployments, providing clients:

- Meet service level agreements with a highly available cloud management platform that ensures cloud service availability even in the event of failures available as part of CloudSystem and in [HP Cloud Service Automation](#) 3.1.
- Enhanced security of cloud services through integration with [HP Tipping Point](#) network and cloud intrusion prevention system and threat management solutions.
- Improved application deployment success rates as high as 95 percent⁽¹⁾ through integration with [HP Continuous Delivery Automation](#) (CDA 1.1) software, enabling clients to deliver high-quality cloud services without delays, using a single tool that automates the application release process.

Pricing and availability

The next version of HP CloudSystem with the new enhancements will begin shipping early in 2013. An entry HP CloudSystem including server, storage and networking infrastructure with HP cloud management software starts at \$300,000.⁽²⁾

(1) Based on HP internal testing.

(2) Estimated U.S. street prices. Actual prices may vary.

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