

Casio Creates Cost-effective Virtualized Storage Infrastructure with Red Hat and IBM

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Combination of Red Hat Enterprise Virtualization, Red Hat Storage and IBM System X servers improves IT performance, simplifies management and halves storage costs for the multinational electronics giant

SAN FRANCISCO--(BUSINESS WIRE)-- Red Hat, Inc. (NYSE: RHT), the world's leading provider of open source solutions, and IBM (NYSE: [IBM](#)) today announced that Casio Computer Company Ltd., Tokyo, Japan, has realized significant results in IT efficiency, performance and cost savings with a solution comprising Red Hat Storage, Red Hat Enterprise Virtualization and [IBM System x servers](#). By combining virtualized industry-standard servers with open software-defined storage, Casio now has a highly available and agile storage solution that can accommodate heavy data workloads by scaling to petabytes.

Casio Computer Co., Ltd., established in 1957, is one of the world's leading manufacturers of consumer electronics and business equipment solutions including calculators, mobile phones, cameras, musical instruments and watches. The company previously used monolithic proprietary storage hardware and software that became extremely expensive because the operation and maintenance had to be entrusted to the vendor.

Casio, with the help of premier IBM Business Partner Lightwell Ltd. Co., deployed Red Hat Storage into its existing infrastructure comprising Red Hat Enterprise Virtualization and IBM System x3650 servers to cut its high storage costs and to avoid inflexible vendor lock-in. IBM System x servers with Red Hat solutions were used to provide the backbone for the virtualized environment to offer reliability and support for new digital capabilities focused on increasing sales and visibility of Casio's clock, digital cameras and tablets products.

Red Hat Storage acts as a data-store of Red Hat Enterprise Virtualization, the open datacenter virtualization solution built on industry-leading performance of the Kernel-based Virtual Machine (KVM) hypervisor. Within two years, Casio slashed its storage costs in half by integrating the internal storage disks of multiple servers and using it as one large storage pool that is accessible through the virtualized server. The Red Hat Storage management console also provides a simplified and unified way to manage both the storage and virtualized server environments for optimized performance.

Supporting Quotes

Kazuyasu Yamazaki, group manager of the IT Infrastructure Group at Casio Information Service, Co., Ltd.

"By deploying Red Hat Storage with Red Hat Virtualization running on IBM x series servers, we were finally able to build a storage environment at a low cost while using commodity servers. Our costs, including various procurement costs and operating fees, fell to less than half of what we had been spending before implementing Red Hat Storage. And, our IT usage was by no means optimal or efficient. We were locked in by vendors' proprietary storage hardware technologies, so we couldn't manipulate the system ourselves."

Adalio Sanchez, general manager, IBM x86 and PureSystems Solutions

"Companies like Casio understand that virtualization is a business decision, providing them a competitive advantage by improving overall system utilization, increasing efficiency and lowering costs. IBM's System x servers are specifically designed to provide the resiliency, flexibility, performance, economy, and ease of installation and operation that are essential to any virtualization solution."

Ranga Rangachari, vice president and general manager, Storage and Big Data, Red Hat

"Red Hat is pleased to assist Casio in slashing its storage costs and improving IT performance by deploying the powerful combination of open virtualized storage running on standard servers. The integrated management capabilities of Red Hat Storage and Red Hat Enterprise Virtualization enables Casio to easily fine-tune their infrastructure and help decrease the time to results."

Additional Resources

Full [Casio Success Story](#)

More about [Red Hat Storage Server](#)

More about [Red Hat Enterprise Virtualization 60-day, fully supported evaluation](#)

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Forward-Looking Statements

Certain statements contained in this press release may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements provide current expectations of future events based on certain assumptions and include any statement that does not directly relate to any historical or current fact. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: risks related to delays or reductions in information technology spending; the effects of industry consolidation; the ability of the Company to compete effectively; the integration of acquisitions and the ability to market successfully acquired technologies and products; uncertainty and adverse results in litigation and related settlements; the inability to adequately protect Company intellectual property and the potential for infringement or breach of license claims of or relating to third party intellectual property; the ability to deliver and stimulate demand for new products and technological innovations on a timely basis; risks related to data and information security vulnerabilities; ineffective management of, and control over, the Company's growth and international operations; fluctuations in exchange rates; and changes in and a dependence on key personnel, as well as other factors contained in our most recent Quarterly Report on Form 10-Q (copies of which may be accessed through the Securities and Exchange Commission's website at <http://www.sec.gov>), including those found therein under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations". In addition to these factors, actual future performance, outcomes, and results may differ materially because of more general factors including (without limitation) general industry and market conditions and growth rates, economic and political conditions, governmental and public policy changes and the impact of natural disasters such as earthquakes and floods. The forward-looking statements included in this press release represent the Company's views as of the date of this press release and these views could change. However, while the Company may elect to update these forward-looking statements at some point in the future, the Company specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this press release.

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