



Citrix XenServer

Virtualization, automation and advanced management tools for the datacenter



The legacy model of one server, one application has proven costly, cumbersome and inefficient, and the virtualization of IT assets is fast becoming the standard at most organizations. Virtualization enables IT to transform its operations and do more with less. At the same time, the high entry price of other virtualization technologies has become prohibitive for many organizations. Citrix® XenServer® breaks the standoff by providing customers with a production-ready virtualization platform for free.

Citrix XenServer

XenServer is a free, enterprise-class, cloud-proven and open server virtualization solution that radically reduces datacenter costs by transforming static and complex IT environments into more dynamic, easy-to-manage virtual datacenters. It provides advanced management capabilities to integrate and automate virtual datacenters at a fraction of the cost of other solutions.

XenServer is a complete virtual infrastructure solution that includes a 64-bit hypervisor with live migration, full management console and the tools needed to move applications, desktops and servers from a physical to virtual environment. XenServer allows organizations to create and manage unlimited servers and virtual machines (VMs) that can be run safely and securely from a single management console. Customers that need additional management, availability, integration or automation capabilities can simply upgrade to a premium edition of XenServer to create an enhanced virtual datacenter. The Advanced, Enterprise and Platinum Editions of XenServer offer rich management and automation capabilities that provide full datacenter automation, advanced integration and management, and key performance features.

Based on the open-source design of Xen, XenServer is a highly reliable, available and secure virtualization platform that provides near native application performance and unmatched virtual machine density. XenServer allows for easy server, storage and network setup via an intuitive, wizard-driven utility that delivers *Ten Minutes to Xen*.

With XenServer, customers can create a high-performance, scalable, manageable and flexible virtual server infrastructure on top of which automated, lights out and cloud-ready virtual datacenter services can be delivered. Key features of XenServer include:

Site Recovery

Site Recovery provides site-to-site disaster recovery planning and services for virtual environments. Site Recovery is easy to set up, fast to recover and has the ability to frequently test disaster recovery plans to ensure that they always remain valid.

High availability

XenServer automatically restarts VMs if a failure occurs at the VM, hypervisor or server level. The auto-restart capability allows administrators to protect all virtualized applications and bring higher levels of availability to the business.

Dynamic workload balancing

XenServer improves system utilization and increases application performance by automatically balancing VMs within a resource pool both for initial placement and ongoing operations.

SAP

“We expect that total costs for server infrastructure will be reduced by more than 35 percent because of XenServer. In the future, we will need some 70 percent fewer physical servers. In addition, we will save on administration and energy costs.”

Michael Markl,
Global Service Owner,
SAP IT Infrastructure
Communication Services,
SAP AG

Tesco

“The virtualized RTS environment uses less than half of the energy of the physical bare-metal equivalents, which supports our CO2 targets and means we have already saved a significant amount on our electricity bills.”

Nick Folkes,
IT Director, Tesco

VM protection and recovery

XenServer protects against data loss in case of VM failure by automatically taking regularly scheduled VM snapshots and archiving the images in a specified storage location.

Memory optimization

XenServer reduces costs and improves application performance and protection by sharing unused server memory between VMs on the host server.

Host power management

XenServer takes advantage of embedded hardware features to dynamically reallocate VMs and power on and off hosts as demand for workloads fluctuates.

Distributed virtual switching

XenServer includes the tools to create a multi-tenant, isolated and extremely flexible network fabric that provides for the secure and stateful migration of VMs between on- and off- premise environments.

Lab management with a self-service portal

XenServer reduces the complexity, time and costs of developing, maintaining and delivering applications by providing access to administrator-defined virtual environments that an application owner can provision through predefined workflows.

Citrix Provisioning Services

Citrix Provisioning Services™ reduces storage requirements by creating a set of golden images that can be streamed to both physical and virtual servers for fast, consistent and reliable deployments.

Citrix StorageLink

Citrix® StorageLink™ provides integration with leading network storage platforms which enables storage managers to leverage existing data management tools to maintain consistent management processes for both physical and virtual environments.

XenServer web console

The web-based console allows administrators to access any XenServer VM from any computing device from any location, and delegate access to specific VMs on a per user basis.

Role-based administration

Role-based administration for XenServer improves security and enables delegated access, control and usage of resource pools by maintaining a tiered access structure with varying levels of permissions.

Citrix XenCenter management console

Citrix® XenCenter® provides all VM monitoring, management and general administration functions in a single interface that allows the IT staff to easily manage hundreds of VMs from a centralized, highly available management console that installs on any Windows® desktop.

Linux Magazine

“Does XenServer pass the ‘first impression’ test? Yes. It offers speed, flexibility, scalability, ease of use, and a price that will make your accountant grin.”

Ken Hess,
Linux Magazine

Enterprise Strategy Group

“Anyone who dismissed XenServer in the past as a legitimate player in the enterprise virtualization space clearly owes it to themselves to take a look at this offering.”

Mark Bowker,
Enterprise Strategy Group

Citrix XenMotion

Citrix® XenMotion® eliminates the need for planned downtime by enabling active VMs to be moved to a new host with no application outages or downtime.

Citrix XenConvert

Citrix XenConvert allows for faster setup and migration of physical and virtual servers (P2V and V2V), making the transformation to XenServer nearly instantaneous.

IntelliCache

XenServer uses local storage as a repository for boot images and non-persistent or temporary data to decrease network storage volume and traffic for Citrix® XenDesktop® installations.



Worldwide Headquarters

Citrix Systems, Inc.
851 West Cypress Creek Road
Fort Lauderdale, FL 33309, USA
T +1 800 393 1888
T +1 954 267 3000

www.citrix.com

Americas

Citrix Silicon Valley
4988 Great America Parkway
Santa Clara, CA 95054, USA
T +1 408 790 8000

Europe

Citrix Systems International GmbH
Rheinweg 9
8200 Schaffhausen, Switzerland
T +41 52 635 7700

Asia Pacific

Citrix Systems Hong Kong Ltd.
Suite 6301-10, 63rd Floor
One Island East
18 Westland Road
Island East, Hong Kong, China
T +852 2100 5000

Citrix Online Division

6500 Hollister Avenue
Goleta, CA 93117, USA
T +1 805 690 6400

About Citrix

Citrix Systems, Inc. (NASDAQ:CTXS) is a leading provider of virtual computing solutions that help companies deliver IT as an on-demand service. Founded in 1989, Citrix combines virtualization, networking, and cloud computing technologies into a full portfolio of products that enable virtual workstyles for users and virtual datacenters for IT. More than 230,000 organizations worldwide rely on Citrix to help them build simpler and more cost-effective IT environments. Citrix partners with over 10,000 companies in more than 100 countries. Annual revenue in 2009 was \$1.61 billion.

©2010 Citrix Systems, Inc. All rights reserved. Citrix®, XenServer®, XenDesktop®, StorageLink™, XenMotion®, XenCenter®, Citrix Provisioning Services™ are trademarks of Citrix Systems, Inc. and/or one or more of its subsidiaries, and may be registered in the United States Patent and Trademark Office and in other countries. All other trademarks and registered trademarks are property of their respective owners.