



## Citrix XenServer

Virtualization, automation, and advanced management 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 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 an enterprise-class, cloud-proven, and production-ready virtualization platform for free.

## 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

## 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 a virtual environment. XenServer allows organizations to create and manage unlimited servers and virtual machines 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*.

## Datacenter automation

With XenServer, IT professionals can automate key IT processes to improve service delivery and business continuity for virtual environments resulting in time and money savings, and more responsive IT services.

## Advanced integration and management

With the premium editions of XenServer, customers can leverage advanced functions for deep integration between physical and virtual resources, and more granular management of virtual environments.

## High-performance virtual infrastructure

With the XenServer base platform, customers receive a scalable, manageable, and flexible virtual server infrastructure.

# Key features

## 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 virtual machines if a failure occurs at the virtual machine (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.

## Automated workload balancing

XenServer improves system utilization and increases application performance by automatically balancing virtual machines within a resource pool. Workload balancing intelligently places VMs on the most suitable host in the resource pool by actively monitoring application requirements and matching them to available hardware resources.

## Host power management

XenServer takes advantage of embedded hardware features to lower datacenter electricity consumption. As demand for IT services fluctuates, XenServer dynamically adapts to the new server requirements. VMs can be consolidated and underutilized servers can be powered off as server and application requirements diminish. In response to higher demands, XenServer can power up more servers to handle the new workload.

## Lifecycle management

XenServer reduces the complexity, time, and cost of developing, maintaining, and delivering applications by providing access to administrator-defined virtual environments through a predefined set of workflows.

## Memory optimization

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

## 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 application 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. Key data management processes can be instantiated from a single StorageLink interface.

## 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

## Role-based administration

The role-based administration functions of XenServer improve security and enable delegated access, control, and usage of XenServer pools by maintaining a tiered access structure with varying levels of permissions.

## Citrix XenCenter management console

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

## Citrix XenMotion

Citrix® XenMotion® eliminates the need for planned downtime by enabling active virtual machines 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. As a P2V or V2V tool, XenConvert can convert a server or desktop workload to a XenServer virtual machine.



### 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](http://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®, StorageLink™, XenMotion®, XenCenter®, and 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.