

# Citrix XenDesktop

Citrix® XenDesktop® transforms Windows desktops and apps into a cloud service available to any user, any device, anywhere. XenDesktop quickly and securely delivers any type of virtual desktop or Windows, web and SaaS application to any PC, Mac, tablet, smartphone, laptop or thin client—all with a high definition user experience.

Deploy virtual desktops and apps for any use case.

Feature	Function	Benefit	Edition
<b>Desktops</b>			
Pooled VDI desktop	Leverages a single OS image to create multiple thin-provisioned or streamed desktops. Optionally uses a Personal vDisk to maintain application, profile and data differences that are not part of the base image for a persistent "personal" desktop replacing the need for most dedicated desktops.	Scalable, easy to manage virtual desktop environment. Allows admins and users to install applications not included in the base image. Single image patch management and more than 65% less storage required as compared to dedicated desktops.	All Editions
Dedicated VDI desktop	A single desktop virtual machine per user exists on a host in the datacenter allowing users to access their own individual desktop apps and data, and make customizations through any device.	Offers a persistent Windows desktop experience with maximum flexibility.	All Editions
Hosted shared desktop (RDS or terminal server-based desktop)	Multiple user sessions sharing a single, locked-down Windows Server environment running in the datacenter and accessing a core set of apps. 6-10X more desktops per host as compared to VDI.	Provides locked down, streamlined and standardized environment with a core set of applications. Designed for task workers using low intensity applications. Lowest TCO model.	Enterprise and Platinum
Local—Type 1 client hypervisor (XenClient)	Create, render, and update desktop images in the datacenter, then deliver them as a client-side VM to a XenClient™ enabled PC or laptop. Full offline use of a virtual desktop while maintaining the advantages of centralized, single-image management and synchronized updates with the datacenter. Multiple VMs can be run locally in complete isolation.	Extends the benefits of centralized, single-instance management to laptop fleets by abstracting hardware drivers and dependencies.	Enterprise and Platinum
Local—desktop streaming	An excellent choice for shared workstation environments with similar hardware configurations. A single provisioning server can create, manage and stream a desktop OS on demand to thousands of diskless workstations on a LAN for local execution.	Excellent choice for shared workstation environments where OS refreshes are frequent such as in computer lab environments.	Enterprise and Platinum
Physical desktop	Deploy a single image to workstations and blade servers in the datacenter to run graphics-intensive, 3D applications on native OS, or provide secure mobile access to an office-based physical desktop from any remote device or location.	Leverage benefits of HDX™ 3D Pro high performance WAN delivery of graphics intensive applications that run best on native OS. Provides users with desktop-virtualization benefits with Remote PC while IT builds out its desktop-virtualization infrastructure in the background.	Enterprise and Platinum

## Deploy virtual desktops and apps for any use case.

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Feature	Function	Benefit	Edition
<b>Apps</b>			
Application virtualization	Isolates applications from the underlying operating system and from other applications to increase compatibility and manageability.	Allows applications to be streamed to a user's laptop for offline access.	Enterprise and Platinum
Session virtualization	Applications are installed or streamed to servers in the data center and remotely displayed to users' desktops and devices.	Deliver any windows app to any device with high security; only screen updates, mouse clicks and keystrokes traverse the network.	Enterprise and Platinum
VM hosted apps	Applications are hosted on virtual desktops running Windows 7, XP, or Vista and then remotely displayed to users' physical or virtual desktops and devices.	Eases Windows 7 transition and overcomes application compatibility challenges.	Enterprise and Platinum

## Supports any device, anywhere.

Feature	Function	Benefit	Edition
<b>Citrix Receiver™ is a Universal, light-weight and auto updating client that provides integrated access to desktops, applications, and other IT services from any device</b>			
<b>Windows, Mac OS, Linux, Android, iOS, BlackBerry</b>			
Tablets	iPad, Android, BlackBerry		
Thin clients	Linux or Microsoft Windows Embedded supported.		
Smartphones	Android, iOS, BlackBerry		
Zero clients	Zero clients available from multiple vendors.		
Auto update service	Ensures that users have the latest plug-ins and features.	"Zero-touch" updates for users.	
Mobile application developer tools	Mobility SDK Allows IT organization to create new mobile applications and extend custom enterprise applications to take full advantage of the capabilities in any device including GPS, sensors, cameras and even buttons on their devices in the same way that they do with local applications on the device.	Extend virtualized enterprise applications to leverage local smartphone and tablet device capabilities.	

## Delivers a high-definition user experience.

Feature	Function	Benefit	Edition
Multimedia support	Server or client-based rendering of multimedia content including Flash, Windows Media, and AVI multimedia playback over connections with as much as 300 ms of latency.	Deliver rich multimedia applications with “like-local-PC” quality without increasing bandwidth investments and reducing server-side overhead.	All Editions
Unified communications support	Bi-directional audio and video capability is delivered in real time to enable support for leading unified communications solutions from Cisco, Microsoft, Avaya, and Citrix. Point-to-point connections reduce the number of network hops improving app performance while reducing bandwidth.	Deliver real time applications with “like-local-PC” quality without having to increase bandwidth investments.	All Editions
Client drive mapping	Enables folders such as a user’s unique “My Documents” and “Desktop” folders to map to a secure store in the data center instead of a local or other remote store.	Secures corporate data by preventing data from being saved to a local device or other storage location.	All Editions
Multi-monitor support	Connect and use several monitors simultaneously.	Enables users to have their desktops and applications span across multiple monitors and screen layouts.	All Editions
Application multi-tasking	Simultaneous multi-tasking support for multiple apps on any device, anywhere.	Allows users to run multiple applications simultaneously without constant opening and closing of apps.	Enterprise and Platinum
3D graphics business apps support	Optimizes the performance of graphics intensive 2D and 3D applications by leveraging both software and hardware-based rendering to assist with compression, performance and network efficiency.	Deliver rich graphical applications without having to increase bandwidth investments.	All Editions
3D graphics professional applications support	HDX 3D Pro uses advanced server-side GPU rendering of intensive graphics applications supporting both servers blade workstations as GPU pass-through for virtual machines.	Enables technical workers and power users to run professional graphics applications, which typically require more processing resources.	Enterprise and Platinum
USB and peripheral support	Enables simple and seamless use of local resources, including USB peripherals, multiple monitors, USB headsets, webcams, smartphones, smartcards, scanners, and printers.	Enable “like local PC” experience for users with broad array of peripheral types.	All Editions
Session pre-launch	Session pre-launch reduces the amount of time to application launch by creating a session immediately upon user log-in.	Improves productivity and user experience by dramatically reducing the time it takes for users to launch applications.	Enterprise and Platinum
Native device experience on smartphones and tablets	Apps interact with device-specific features like popup keyboard when the user touches into a text entry field. Auto scrolling ensures that the text entry field is visible to the user and not covered up by the on-screen keyboard, and auto zoom to make the picker controls and list boxes easier to use in Windows apps.	Users are more productive when they can interact with their business apps in a similar manner as other tools on the device. No source code changes to the apps are required.	Enterprise and Platinum
Tablet-optimized desktop	Provides enhanced Windows desktop for tablets by reformatting Windows UI so Windows is touch friendly.	Improves productivity and ease of use of Windows on tablets.	Enterprise and Platinum
Fast user profile loading	Loads user profile settings on demand rather than during the logon. Administrators can specify rules for downloading and caching large profile components in the background.	Reduces logon time and accelerates application access time.	All Editions
Roaming user reconnect	Allow users to maintain their apps and desktops while roaming between networks and devices by leveraging Citrix Access Gateway™.	Enables users to continue working where they left off on another device.	All Editions

## Delivers secure self-service apps and data.

Feature	Function	Benefit	Edition
Self-service enterprise-app store	Citrix CloudGateway™ Express offers a simple, single place for workers to access Windows, web and SaaS applications using CloudGateway Express (Windows only) or CloudGateway Enterprise (Windows, Web and SaaS). CloudGateway Enterprise is sold separately.	Single point of access for users and single point of control for IT for Windows, web, SaaS and mobile apps.	Enterprise and Platinum
Follow-me apps	CloudGateway Express delivers end user flexibility to select their own desired Windows apps on one device and seamlessly gain single-click access to the same set of apps on any device.	Users only have to subscribe to their apps one time for all devices.	Enterprise and Platinum

## Transforms IT with open, scalable and proven technology.

Feature	Function	Benefit	Edition
<b>Deployment, Management, and Troubleshooting Tools</b>			
Performance monitoring tool for hosted applications	Citrix® EdgeSight® is a performance and availability management solution for XenApp® and endpoint systems. EdgeSight monitors applications, devices, sessions, license usage, and the network in real time, allowing IT admins to quickly analyze, resolve, and proactively prevent problems.	Monitor SLA performance and provide reporting.	Platinum
Web-based help desk and troubleshooting tool	Desktop Director provides a detailed and intuitive overview of XenDesktop environments. It enables support and helpdesk teams to quickly and seamlessly perform crucial support tasks for their end users while at the same time monitoring and troubleshooting system issues before they become system-critical.	Provides the help desk with a single console to monitor, troubleshoot and fix virtual desktops for thousands of users as easily as for one.	All Editions
Automated desktop provisioning and storage optimization	Create a golden image of the OS and applications to thin-provision VDI and hosted-shared desktops.	Save on storage and management costs.	All Editions
Personalization services	A set enables a broad array of personalizations including user profiles and settings and configuration of individual user disk objects (Personal vDisk) for persisting departmental or user installed applications and data that are separate from the base image.	Deliver VDI and hosted-shared desktops with the same personalized experience provided by physical desktops.	All Editions
Third-party systems management integration	XenDesktop SDK integrates with your existing systems management infrastructure, so you can automate tasks, alerts and reports.	Provides flexibility to leverage the management tools already in use.	All Editions
Microsoft System Center Virtual Machine Manager (SCVMM) support—2007, 2012	Manage virtual-machine infrastructure including XenServer®.	A cost-effective solution certified to scale to 2000 Hyper-V VMs per instance of SCVMM.	All Editions
Microsoft System Center Configuration Manager (SCCM) support—2007, 2012	Manage pooled VDI images and Personal vDisk objects from System Center. SCCM 2007 supports only dedicated VDI configurations.	Leverage policy enforcement, reporting, patch and update processes and tools provided in SCCM 2012.	All Editions

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<b>Security Features</b>			
Policy based access control	Provided by Access Gateway, this determines the appropriate level of access to grant to users based on their role, location, network and device through pre-configured policies.	Tight integration with Citrix Receiver™ for a seamless user interface.	Platinum
Built-in password management	Password Manager enables IT to define and enforce password policies and allows users to reset domain passwords or unlock their Windows account without IT intervention.	Secures application logons and enhances the security of all password-protected Windows applications.	Platinum
Integrated SSL VPN	A full-featured SSL VPN gives users access to any application or network resource. Includes Access Gateway client access license. Access Gateway appliance priced separately.	Tight integration with Receiver for a seamless user experience.	Platinum
Multi-factor authentication	Secure desktop access with tokens and smartcard authentication solutions for added layers of security.	Maximize the security of company IP and other sensitive data.	All Editions
Traffic encryption	Support for Transport Layer Security (TLS), Secure Socket Layer (SSL), and Advanced Encryption Standards (AES).	Ensures that all application-delivery communications are secure.	All Editions
Application activity auditing	Create secure and searchable visual records of user activity in critical applications for regulatory compliance and litigation.	Policy-based recording of user sessions accessing hosted apps. Useful for regulatory compliance and litigation purposes.	Enterprise and Platinum
Centralized data control	Manage data flow so that only screen updates, mouse clicks and keystrokes—not data—traverse the network.	Ensures that only authorized users can connect to XenDesktop.	All Editions
<b>Virtual Infrastructure Interoperability and Optimization</b>			
XenServer® Hypervisor (included)	Create highly scalable, manageable and agile virtual infrastructures with Citrix XenServer, Enterprise Edition.	Best solution for XenDesktop. Includes unique IntelliCache capability to cache common reads and writes to the hypervisor host instead of sending these commands back to central storage for reduced IOPS and storage costs.	All Editions
VMware Sphere, Microsoft Hyper-V (supported)	Support Microsoft and VMware platforms.	Offers easy integration with your existing platform and the flexibility to expand or change your infrastructure at any time.	All Editions
Advanced WAN traffic prioritization	Delivered by Branch Repeater®, offers complete visibility and control over your WAN link by identifying individual application traffic and enabling fine grained prioritization.	Fine grain control over application delivery as well as prioritization control over ICA and non-ICA traffic to ensure SLAs are met.	Platinum
Branch traffic caching	Branch Repeater client caching lets users share a common cache before it hits the network.	Improves user experience at branch locations while increasing the number of users and reducing overall bandwidth.	Platinum

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<b>Virtual Infrastructure Interoperability and Optimization</b>			
Automated protocol tuning	Tune WAN communications for optimal performance based on real time network and traffic conditions through adaptive TCP flow control and multi-level compression techniques.	Lowers latency and network traffic.	All Editions
Multi stream protocol	Traffic prioritization delivered by splitting virtual desktop traffic into 5 different streams—real time, interactive, background, bulk and RTP traffic.	Allows IT to define rules that indicate which types of traffic receive highest priority.	All Editions
Intelligent application load and capacity management	Configure custom load and resource rules to automatically distribute XenApp application workloads to optimize server performance and reserve resources for high-priority activity.	Provides automated load balancing without constant manual monitoring.	Enterprise and Platinum
Automated virtual and physical server provisioning	Option for advanced automated provisioning of both desktop and server virtual machines. Optimized for both storage capacity and I/O load.	Simplifies management of large deployments while reducing the cost and complexity of virtual storage.	All Editions
Multi-site load balancing and failover	Netscaler® Global Server Load Balancing features provide for seamless and intelligent multi-site loadbalancing and failover.	Ensure users can always get to their desktop (NetScaler products sold-separately).	All Editions
High availability	Provide multi-level protection against failures for high availability and seamless failover.	Integrated redundancy design to comply with internal SLAs.	All Editions
Power and capacity management	Create system policies that manage server power consumption and make optimal use of server capacity during peak and off-peak hours.	Automatically brings capacity online to maintain performance and user access and retires capacity when no longer needed.	Enterprise and Platinum



#### About Citrix

Citrix Systems, Inc. (NASDAQ:CTXS) transforms how businesses and IT work and people collaborate in the cloud era. With market-leading cloud, collaboration, networking and virtualization technologies, Citrix powers mobile workstyles and cloud services, making complex enterprise IT simpler and more accessible for 260,000 organizations. Citrix products touch 75 percent of Internet users each day and it partners with more than 10,000 companies in 100 countries. Annual revenue in 2011 was \$2.21 billion. Learn more at [www.citrix.com](http://www.citrix.com).

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