

# Citrix Branch Repeater

## Optimize the delivery of desktops and applications to branch and mobile users

### Key benefits

- **Radically improve user productivity and experience** by accelerating the delivery of applications and desktops to branch and mobile users
- **Dramatically reduce bandwidth requirements** in each location
- **Simplify IT management** by consolidating servers in branch offices
- **Enable IT agility** with flexible deployment options offered by physical and virtual appliances

Citrix® Branch Repeater™ is a branch optimization solution that provides a high definition desktop and application experience to branch and mobile users while dramatically reducing bandwidth costs and simplifying branch infrastructure.

### Features:

#### HDX IntelliCache

- Optimizes delivery across multiple Citrix® XenApp™ and Citrix® XenDesktop™ sessions by locally caching and de-duplicating transmission of common graphics and data within the ICA protocol.
- Stores streamed applications locally in the branch for rapid delivery and synchronizes the application whenever there is an update or a patch available so that branch users always get the latest version.

#### HDX Broadcast

- Optimizes the flow of XenDesktop and XenApp ICA® traffic across multiple connections in a branch by sensing and responding to network and traffic conditions.
- Reduces XenDesktop and XenApp ICA bandwidth consumption by applying optimal compression techniques based on traffic characteristics, infrastructure capabilities and network conditions.
- Orchestrates with XenDesktop and XenApp to participate in the ICA session and provides intelligent acceleration of the ICA protocol by sensing and responding to the network and traffic conditions.
- Allows administrators to define rules that set which types of application traffic or ICA workflows receive the highest priority.



### Application acceleration

- Accelerates any TCP-based application including file transfers, e-mail, ERP, CRM, CAD, data backup and replication, and more.
- Identifies and accelerates the most widely-deployed and troublesome Microsoft applications accessed by branch and mobile users including File Sharing (CIFS), Exchange (MAPI) and SharePoint® (HTTP).
- Integrates Quality of Service (QoS) to prioritize bandwidth and ensure that there is no change in application performance during periods of severe congestion.
- Mitigates TCP performance penalties from network latency and packet loss while simultaneously eliminating redundant WAN traffic.

### Integrated Windows services

- Natively integrates branch acceleration and optimization with essential branch services (file, print, DHCP, DNS, WINS, AD, DFS) powered by Windows Server® 2008 or Windows Server 2003R2.
- Securely deploy an Active Directory database at branch office locations using a Read-Only Domain Controller (RODC).
- Provides a platform for System Center Configuration Manager, Systems Management Server (SMS) and ISA Server 2006 Web Caching, thus eliminating the need for dedicated servers.
- Includes a management pack for Microsoft System Center Operations Manager 2007 and supports Windows Management Instrumentation (WMI) to leverage existing server management tools and expertise.

### Flexible and centralized management

- Enables network administrators and operations teams to easily take control of their entire Branch Repeater infrastructure from a single, unified console.
- Offers one-click configuration replication and software upgrades across multiple appliances. Multiple conduits for day-to-day operation including a web-based GUI and a scriptable command line interface (CLI).
- Generates real-time and historical reports fully understanding system-wide performance gains along with extensive alarm and activity information through the built-in GUI, logs, Syslog and SNMP traps.

### Plug-n-play for any network



- Automatically discovers remote peer appliances and includes application service profiles to instantly identify and optimize common enterprise traffic.
- Preserves full TCP/IP headers, VLAN tags and QoS markings requiring no changes to existing networking equipment, security devices and traffic monitoring tools (NetFlow).
- Offers maximum flexibility with a choice of Inline, WCCP or Policy Based Routing deployment along with the option to deploy appliance pairs spanning redundant WAN links or for network high availability (HA).



### Flexible deployment

- Custom-built hardware appliance provides high performance WAN acceleration for datacenter and branch deployments.
- Software virtual appliance provides flexible datacenter and branch deployment options requiring minimum changes to the underlying network infrastructure. Consolidates hardware thereby reducing hardware costs and energy consumption.
- Plug-in for Citrix Receiver™ provides WAN acceleration capabilities for remote and mobile users. Automatically offloads acceleration and optimization to a Branch Repeater if one is detected on the local network.

### On-demand provisioning

- Increases scalability, performance and availability with on-demand provisioning and de-provisioning virtual appliances

Platforms	Versions	Options
 <p><b>Branch Repeater</b> Deployed in branch offices to accelerate and optimize application delivery to the branch.</p>	<p><b>Branch Repeater 100</b> Compact 1U appliance for WAN links up to 1 Mbps</p>	<p>2-port Copper Bypass NIC</p>
	<p><b>Branch Repeater 200</b> Compact 1U appliance for WAN links up to 2 Mbps</p>	
	<p><b>Branch Repeater 300</b> Compact 1U appliance for WAN links up to 10 Mbps</p>	
 <p><b>Branch Repeater with Windows Server</b> Deployed in branch offices and provides a complete branch-in-a-box by natively integrating branch acceleration and optimization with essential Windows services and management.  <i>Includes a fully licensed and activated version of the Windows Server® operating system.</i></p>	<p><b>Branch Repeater with Windows Server 100</b> Compact 1U appliance for WAN links up to 1 Mbps with choice of Windows Server 2008 or 2003R2</p>	<p>ISA Server 2006 Web Caching (Windows Server 2003R2 only)  2-port Copper Bypass NIC</p>
	<p><b>Branch Repeater with Windows Server 200</b> Compact 1U appliance for WAN links up to 2 Mbps with choice of Windows Server 2008 or 2003R2</p>	
	<p><b>Branch Repeater with Windows Server 300</b> Compact 1U appliance for WAN links up to 10 Mbps with choice of Windows Server 2008 or 2003R2</p>	

Platforms	Versions	Options
 <p>Citrix Repeater 85xx</p>  <p>Citrix Repeater 88xx</p> <h3>Citrix Repeater</h3> <p>Deployed in the datacenter, and accelerates and optimizes traffic to multiple branch offices and remote and mobile users. Repeater appliances also accelerate and optimize traffic between datacenters to speed data replication and enable disaster recovery.</p>	<p><b>Citrix Repeater 8520</b> 1U appliance for WAN links up to 10 Mbps Supports up to 500 Repeater Plug-ins</p>	<p>2-port Copper Bypass NIC</p> <p>2-port Fiber Bypass NIC</p> <p>4-port Copper Bypass NIC</p>
	<p><b>Citrix Repeater 8540</b> 1U appliance for WAN links up to 45 Mbps Supports up to 750 Repeater Plug-ins</p>	<p>4-port Fiber Bypass NIC (Repeater 8820 only)</p>
	<p><b>Citrix Repeater 8820</b> 2U appliance for WAN links up to 155/500 Mbps Supports up to 1,000 Repeater Plug-ins</p>	
<h3>Branch Repeater VPX</h3> <p>XenServer-based virtual appliance deployed in branch offices and datacenters to accelerate and optimize application delivery to the branch.</p>	<p><b>VPX Express**</b></p>	<p><b>Minimum requirements*</b></p> <p>XenServer environment</p> <p>1 GB RAM</p> <p>60 GB disk</p> <p>2 virtual NICs</p>
	<p><b>VPX-2</b> For WAN links up to 2 Mbps</p>	
	<p><b>VPX-10</b> For WAN links up to 10 Mbps</p>	
	<p><b>VPX-45</b> For WAN links up to 45 Mbps</p>	

## Repeater Plug-in for Citrix Receiver

The Repeater Plug-in is deployed on individual desktops and laptops and accelerates application delivery for remote and mobile users.

\*Refer to product documentation for additional information.

\*\* VPX Express is for trial purposes only. Refer to product documentation for additional information.



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### About Citrix

Citrix Systems, Inc. (NASDAQ:CTXS) is the leading provider of virtualization, networking and software as a service technologies for more than 230,000 organizations worldwide. Its Citrix Delivery Center, Citrix Cloud Center (C3) and Citrix Online Services product families radically simplify computing for millions of users, delivering applications as an on-demand service to any user, in any location on any device. Citrix customers include the world's largest Internet companies, 99 percent of *Fortune* Global 500 enterprises, and hundreds of thousands of small businesses and prosumers worldwide. Citrix partners with over 10,000 companies worldwide in more than 100 countries. Founded in 1989, annual revenue in 2009 was \$1.61 billion.

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