ONE-DESKTOP

# Low-cost PC refresh with SoC thin clients

*Now more than ever, tightening of corporate budgets is forcing IT to balance business-critical projects against routine operational projects, such as the annual PC refresh process. Replacing an aging PC with a thin client is a proven approach for reducing costs, but when those cost savings are paired with innovations in desktop virtualization and improvements in thin client system-on-a-chip (SoC) technology, the transition to thin clients becomes even more attractive.*

A number of business drivers are reinvigorating the trend of virtualizing desktops with thin clients:

- **Extending the PC refresh cycle:** Organizations recognize that extending the life of older PCs may result in short-term savings but in the long term, the costs of supporting and managing older hardware significantly outweigh these savings.

- **Low-cost design of SoC technology:** Although PC costs have been dramatically declining, SoC thin clients hit a price point substantially lower than any PC by combining all the individual computing components of a PC into a single chip.

- **Evolution of desktop virtualization technology:** Dramatic advances in desktop virtualization technology are making virtual desktops easier to deploy, simpler to manage and, in many cases, more cost-effective than distributed PCs.

- **High-performance user experience:** As part of these advancements, the virtual desktop user experience from a low-cost SoC thin client has been enhanced to deliver performance equivalent to that of a high-end PC.

Building on its industry leadership in desktop virtualization, Citrix has partnered with strategic SoC thin client vendors to deliver high-performance, low-cost thin clients for a complete and highly cost-effective desktop virtualization solution. Through the Citrix® HDX™ System-on-a-Chip initiative, Citrix worked with device manufacturers to certify that their low-cost SoC thin clients integrate with its desktop virtualization technology. This process also ensures that any Citrix HDX Ready thin client delivers a high-definition user experience.

## Desktop virtualization with low-cost SoC thin clients

In this solution based on Citrix XenApp® desktop virtualization technology, a low-cost SoC thin client is the endpoint device for accessing a server-based virtual desktop hosted in the datacenter. This virtual desktop can be accessed by a SoC thin client as well as other mobile devices including tablets and smartphones, making the solution even more versatile.

XenApp and other Citrix components, described below, are integrated to create this solution for delivering a low-cost, high-performance virtual desktops experience:

**CITRIX®**

## Citrix XenApp

XenApp is a flexible, on-demand virtual desktop and application delivery platform that delivers the best possible user experience in even the most challenging network conditions. XenApp provides industry-proven desktop virtualization in which each user is granted individualized access to a centralized Microsoft® Windows Server® desktop instance. Desktop virtualization with XenApp is based on Remote Desktop Shared Hosted (RDSH) technology, where multiple user sessions connect to a single server with access to an isolated instance of a Windows Server desktop.

XenApp, also a feature of Citrix XenDesktop®, makes it easier than ever to realize the cost savings, management optimizations and excellent user experience associated with deploying desktop virtualization with SoC thin clients.

## Citrix Receiver

Citrix Receiver™ is an universal thin client that runs on virtually any device operating platform, including Windows®, Mac® , Linux®, iOS® and Android®. This is the one client you need to access the Windows PC from any device, whether you are looking for method of supporting mobile devices or deploying a flexible workstyle initiative.

## Citrix NetScaler Gateway

NetScaler Gateway™ is a secure application and data access solution that gives administrators granular application- and data-level control while empowering users with remote access from anywhere. IT administrators gain a single point of management for controlling access and limiting actions within sessions based on user identity and endpoint device. The results are better application security, data protection and compliance management.

## Citrix StoreFront Services

StoreFront Services provides self-service subscription to desktops and applications via an enterprise app store, giving users convenient access to all the apps they need. Also, these apps follow them on all the devices they use for a consistent interface and enhanced experience.

For more technical information on this solution, read the *Key Project Design Guide for Low-cost PC Refresh with SoC Thin Clients*.

### Key benefits

- By sharing computing resources and isolating each user session independently, XenApp can scale to support a large number of users on a single physical server, making it an easy-to-manage, cost-effective desktop virtualization solution.
- With optimized hardware-based acceleration, SoC thin clients can deliver the same high performance user experience of devices costing much more.
- The complete solution that includes XenApp and SoC thin clients can also reduce power consumption, cooling, and desktop management, freeing up budget and time for other IT initiatives.
- This low-cost desktop virtualization solution delivers a high-performance virtual desktop experience from a set of pre-certified low-cost thin clients.

About ONE-DESKTOP
ONE-DESKTOP is a leader in Desktop as a Service (DaaS) and managed cloud solutions that empower enterprises with high performance and reliable, scalable, and secure designs.

**About Citrix**

Citrix (NASDAQ:CTXS) is the cloud computing company that enables mobile workstyles—empowering people to work and collaborate from anywhere, accessing apps and data on any of the latest devices, as easily as they would in their own office—simply and securely. Citrix cloud computing solutions help IT and service providers build both private and public clouds—leveraging virtualization and networking technologies to deliver high-performance, elastic and cost-effective services for mobile workstyles. With market-leading solutions for mobility, desktop virtualization, cloud networking, cloud platforms, collaboration and data sharing, Citrix helps organizations of all sizes achieve the kind of speed and agility necessary to succeed in an increasingly mobile and dynamic world. Citrix products are in use at more than 260,000 organizations and by over 100 million users globally. Annual revenue in 2012 was $2.59 billion. Learn more at www.citrix.com.