UniPrint™ Server
Simply fast and reliable printing for Citrix environments

Nowadays, many organizations have adopted the Server-based Computing (SbC) model – often referred to as application virtualization in the latest industry hype. A common way to deploy the SbC model is using Windows as the platform, and Citrix (XenApp, Presentation and MetaFrame) Servers to deliver applications to the workforce.

Citrix environments provide excellent central management and application distribution capabilities in multiple-user networks. However, administrators managing Citrix environments know that printing can be challenging. In some SbC environments, printer drivers between clients and Citrix Servers do not match consistently across applications, sessions, user locations or client devices. This means IT administrators have to struggle with printer communication errors, printer driver incompatibility issues, and ultimately – poor network performance. They also have to deal with the slow print process caused by large print formats sent across low bandwidth connections, which can bring the user's application access to a halt. All of these challenges can hit businesses where it hurts: productivity.

It doesn't have to be this way.

UniPrint Server provides an easy to install and use, cost-effective, and most of all, reliable printing solution for Citrix/Terminal Server environments. Supporting fat-client printing, the software-based solution features a single Portable Document Format (PDF)-based universal printer driver to simplify printer management, solve bandwidth issues and enhance printing. With UniPrint Server, fast and reliable printing gets a whole lot easier.

how the world prints

UniPrint™ Server

Enhancing Printing Functionality in Citrix SbC Environments

Citrix/Terminal Server environments allow organizations to have excellent central management and application distribution to their workforce. UniPrint Server enhances the printing functionality in Citrix SbC environments, making printing both fast and reliable. With a single universal printer driver, administrators need only to install one printer driver on the Citrix/Terminal Server, regardless of various printer makes or models. Printing in the office, to your home or remote site is seamless to the user. No more printing headaches!

Ease of Administration

Managing printer drivers in Citrix environments can be a challenging task for IT departments. UniPrint Sever is designed to function in any environment, and allows users to print to any printer. Administrators simply need to deploy the software to all client machines through Active Directory. UniPrint Server is highly scalable. New users from any location can be added easily to the network by simply installing the UniPrint Client on the new client device.

Improving Server Stability

UniPrint Server is specifically designed for multiple-user environments. One universal printer driver replaces all manufacturer printer drivers on the terminal server. Printer driver incompatibility is solved, virtually eliminating server instability issues routinely found when printing in Citrix SbC environments.

Optimizing Bandwidth Availability

Large print formats – such as PCL, PostScript and others – sent across low bandwidth connections often slow down the print process, and can bring application access to a halt. With UniPrint Server, print data is compressed by over 90% into PDF-based print jobs. Not only is the print job size significantly reduced, but now users have the added benefits of previewing, e-mailing and archiving the print document in PDF format.
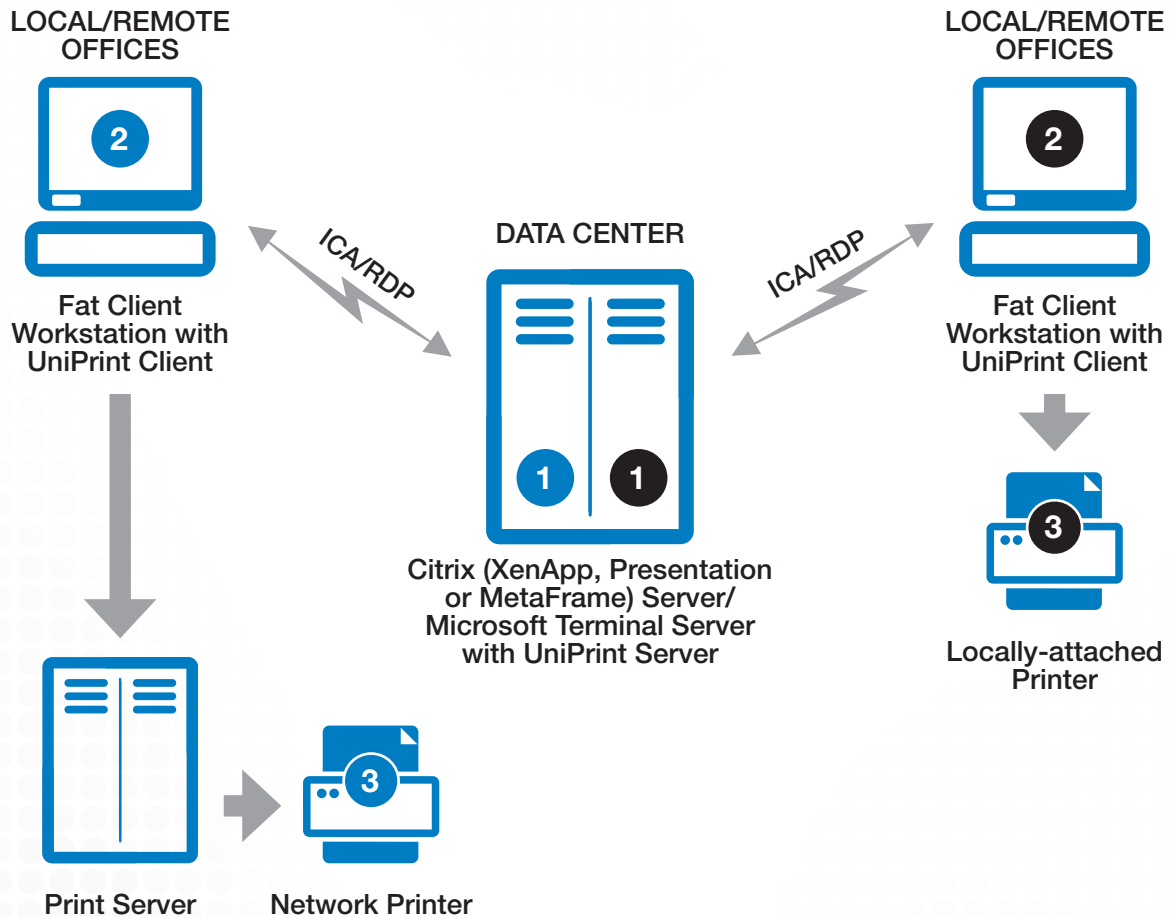
Integrated Product Suite

UniPrint offers a fully-integrated product suite of printing solutions to support all server platforms, operating systems and client platforms. For enterprise-level organizations with complex environments, other UniPrint components can be added to UniPrint Server, allowing for an enterprise-wide printing solution based on a single printer driver.

KEY BENEFITS & FEATURES

- Supports fat clients connecting to Citrix/Terminal Server from local or remote locations
- Enables easy access, fast and reliable printing
- Solves all printer driver incompatibility issues with one universal printer driver

- Simplifies printer management
- Enhances server stability
- Converts print data to PDF files for previewing, e-mailing as an attachment, archiving and printing

How UniPrint™ Server Works

This diagram illustrates the flow of data from application to printer.

LOCAL/REMOTE OFFICES

2

Fat Client
Workstation with
UniPrint Client

ICA/RDP

DATA CENTER

1 **1**

Citrix (XenApp, Presentation
or MetaFrame) Server/
Microsoft Terminal Server
with UniPrint Server

ICA/RDP

LOCAL/REMOTE OFFICES

2

Fat Client
Workstation with
UniPrint Client

3

Locally-attached
Printer

3

Print Server   Network Printer

1 **1** Only one printer driver, UniPrint, is required on each Citrix/Terminal Server, from where users require printing capabilities. When a user prints, the UniPrint Printer Driver converts the print data into a compressed PDF file and sends (over a LAN or WAN, or the Internet) the document to UniPrint Client on the client's workstation via ICA or RDP virtual channel.

2 **2** The UniPrint Client can be configured to print the PDF document automatically, preview, e-mail or save. The UniPrint Client uses the client workstation's native printer drivers to spool print documents.

3 **3** Users can print the spooled documents to network or locally-attached printer.

- PDF conversion saves up to 90% bandwidth consumption
- Easy to install and use, requiring no special training
- Available for 32-bit and 64-bit architectures
- Integrated product suite to allow for the addition of other UniPrint components to build an enterprise-wide printing solution based on a single printer driver

how the world prints

UniPrint™

UniPrint is a recognized leader in the development of software-based solutions for streamlining business processes.

The award-winning UniPrint Suite of Products provides a comprehensive range of enhanced-printing solutions for server-based, virtualized, and mainframe environments, and are compatible with all systems, client platforms and devices.

At UniPrint, we innovate to bring the right solution to our clients each and every time. Our mission is to develop solutions that best fit our clients' business needs, and that has been the key to our success.

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Try UniPrint Server today!

Visit www.uniprint.net for a FREE 30-day trial, and for information on other UniPrint products.