



# UniPrint™ Terminal Server Edition

## Fast and reliable printing for Microsoft Remote Desktop Services

For improved IT system management and application distribution, many organizations use Windows Servers as the platform, and add Microsoft Remote Desktop Services (RDS, formerly Terminal Services) to deliver applications to the workforce.

System administrators managing RDS environments know that printing can be challenging. In some RDS environments, printer drivers between clients and application servers do not match consistently across applications, sessions, user locations or client devices. This means administrators have to struggle with printer communication errors, printer driver incompatibility issues, server crashes and ultimately – poor network performance. They also have to deal with slow print process caused by large print formats sent across

limited bandwidth connections, which can bring the user's application access to a complete halt. All of these challenges can hit business where it hurts: productivity.

It doesn't have to be this way.

UniPrint Terminal Server Edition (TSE) provides an easy-to-install-and-use, cost-effective, and most of all, reliable printing solution for Microsoft RDS environments. Supporting rich-client printing, this software-based solution features a single Portable Document Format (PDF)-based universal printer driver that simplifies printer management, solves bandwidth issues, and enhances printing speed. With UniPrint TSE, fast and reliable printing gets a whole lot easier.

# UniPrint™ Terminal Server Edition

## Enhancing Printing Functionality in Microsoft RDS Environments

Microsoft RDS environments allow organizations to have excellent central management and application distribution to their workforce. UniPrint Terminal Server Edition (TSE) enhances the printing functionality in Microsoft RDS environments, making printing both fast and reliable. With a single universal printer driver, system administrators need only to install one printer driver on the application 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 Microsoft RDS environments can be a challenging task for IT departments. UniPrint TSE is designed to function in any environment, and allows users to print to any printer. Administrators can easily deploy software to client machines through Active Directory group policies. UniPrint TSE is highly scalable. New users from any location can be added to the network by simply installing the UniPrint Client on the new client device.

## Improving Server Stability

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

## Optimizing Bandwidth Availability

Large print formats – such as PCL, PostScript and others – sent across limited bandwidth connections often slow down the print process, and can bring application access to a halt. With UniPrint TSE, print data is compressed by over 90% into PDF 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.

## Integrable Product Suite

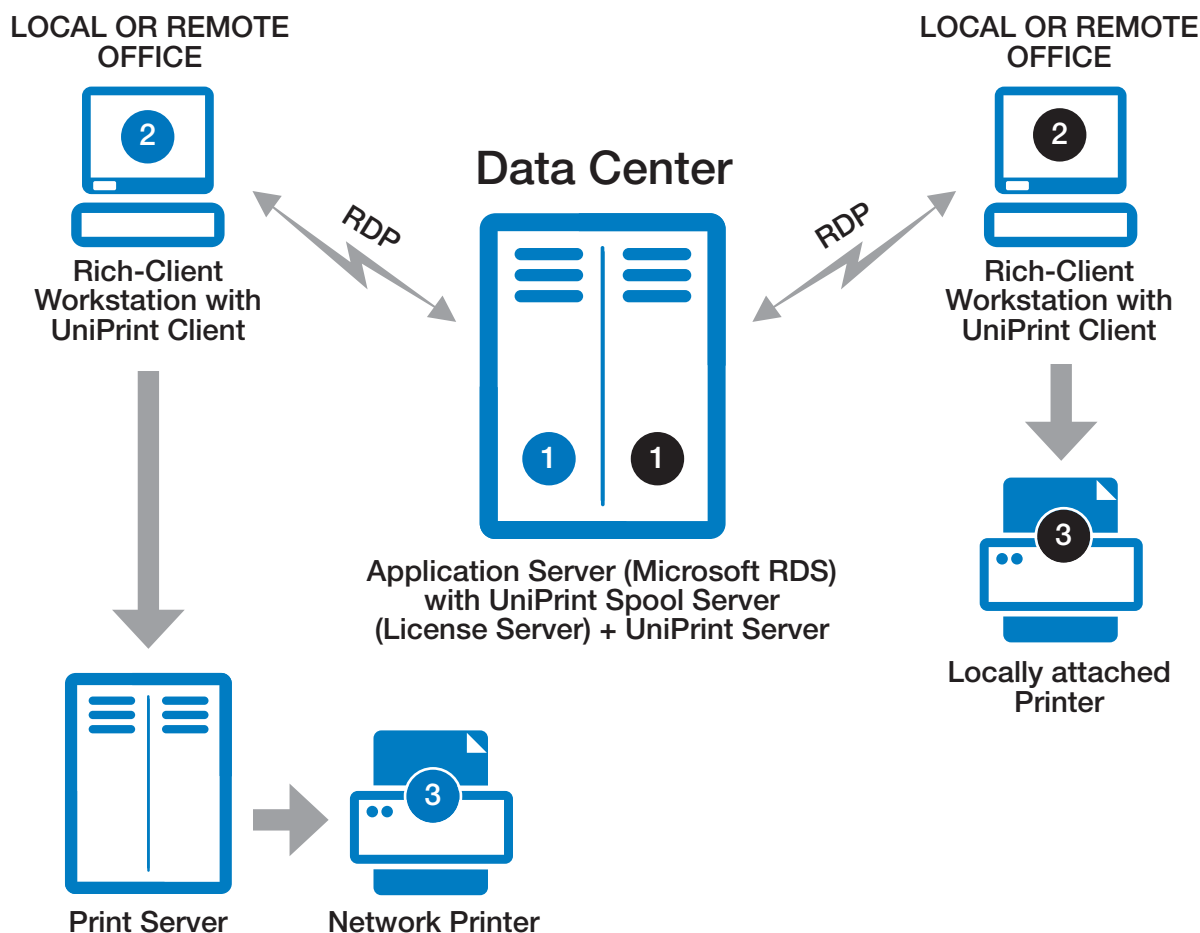
UniPrint offers a suite of printing solutions to support all server platforms, operating systems and client platforms. For enterprise-level organizations with complex environments, additional UniPrint components can be integrated with UniPrint TSE, allowing for an enterprise-wide printing solution based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

## KEY BENEFITS & FEATURES

- Supports rich clients connecting to Microsoft Remote Desktop Services (RDS) 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™ Terminal Server Edition Works

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



- 1** Only one printer driver, UniPrint, is required on each Application 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 RDP virtual channel.
- 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** Users can print the spooled documents to any network or locally attached printer.

- o PDF conversion saves up to 90% bandwidth consumption
- o Easy to install and use, requiring no special training

- o Integrable product suite to allow for the addition of other UniPrint components to build an enterprise-wide printing solution based on a single printer driver



## About UniPrint™

UniPrint pioneered the use of software-based universal printer driver technology to streamline and enhance printing in Server-based Computing (SbC) environments. Today, we are the recognized leader in printing virtualization.

The patented and award-winning UniPrint Suite provides a comprehensive range of enhanced-printing solutions for server-based, virtualized, and mainframe/non-Windows environments. UniPrint solutions optimize printing functionality, minimize printer management, and reduce bandwidth consumption. Using UniPrint, millions of workers in over 70 countries enjoy efficient and seamless printing. UniPrint is proud to be able to help customers in large and small, public and private sector organizations to increase productivity and reduce cost.

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 continued success.

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