



Quick Start Guide

For Print Server Environments

Released: June 2018
Version: 10

Disclaimer and Copyright Notice

UniPrint.net Corp. makes no representations or warranties with respect to the contents or use of this publication. UniPrint.net Corp. especially disclaims any expressed or implied warranties, merchantability or fitness for any particular purpose. UniPrint.net Corp. reserves the right to make any changes in specifications and other information contained in this publication without prior notice and without obligation to notify any person or entity of such revisions or changes.

© Copyright 1999 - 2018 UniPrint.net Corp. All rights reserved.

Information in this document is subject to change without notice. Companies, names and data used in examples herein are fictitious unless otherwise noted. Other than printing one copy for personal use, no part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purposes, without the expressed written consent of:

UniPrint.net Corp.
1420-3280 Bloor St. W., Centre Tower
Toronto, Ontario
Canada M8X 2X3
(416) 503-9800
Toll Free: (866) 488-3188 (North America only)
www.uniprint.net

Intellectual Property Acknowledgements

UniPrint and UniPrint Infinity are registered trademarks of UniPrint.net Corp. Registration numbers TMA562,455 and TMA857,027 in Canada and filing number 85-663,579 in the United States. UniPrint.net Corp. products are also registered as United States Patent Numbers 7,064,856, 7,265,867 and 7,602,522.

Microsoft, Windows, Windows 2008/2012/2016, Windows Vista, Windows 7/8/10, Microsoft Access, Microsoft Word, Remote Desktop Protocol (RDP), ASP.NET and Active Directory are either registered trademarks or trademarks of Microsoft Corporation.

Citrix, MetaFrame, Presentation Server, XenApp, XenDesktop and ICA (Independent Computing Architecture) are registered trademarks or trademarks of Citrix Systems.

Adobe, Acrobat, Reader are registered trademarks of Adobe Systems Inc.

All other trademarks and registered trademarks are the property of their owners.

Table of Contents

Introduction	1
Installation Scenario	1
Recommended System Requirements	1
Recommended Installation Procedure	2
STEP 1: Install UniPrint Bridge	2
STEP 2: Install UniPrint Print Server	6
STEP 3: Install UniPrint Application Server	8
STEP 4: Install a Test Printer On The UniPrint Print Server	9
STEP 5: Add the Test Printer In A User Session	10
Printing From An ICA/RDP Session	13

Introduction

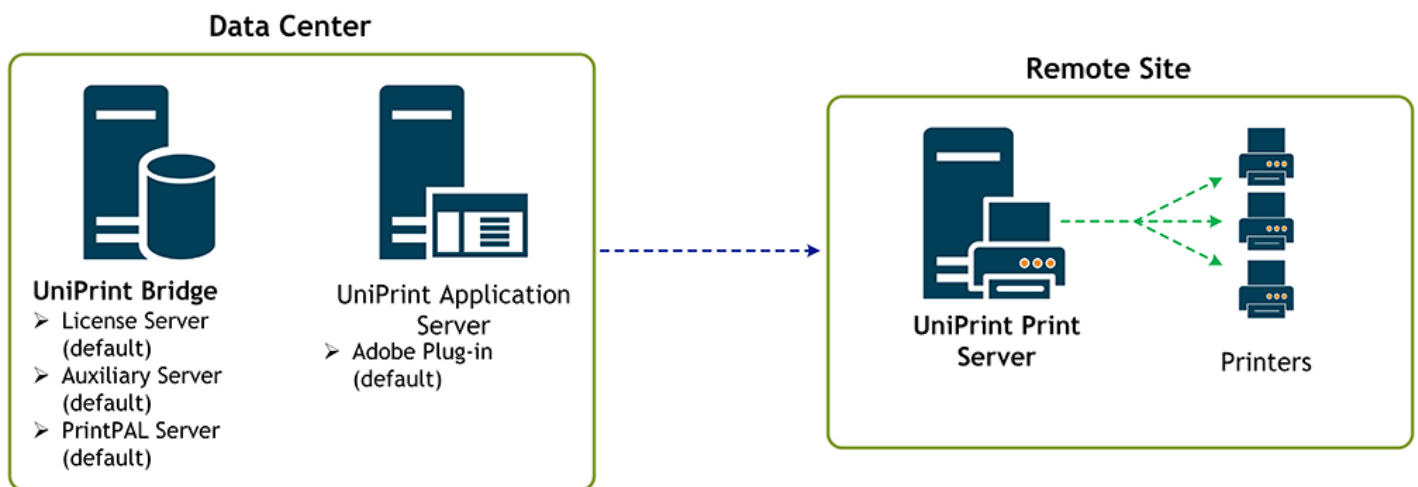
This step-by-step guide is intended for those who want set up UniPrint Infinity with minimal configuration. Only the necessary steps required to start printing from an ICA/RDP session will be covered. For additional assistance on customizing UniPrint Infinity or setting up many of UniPrint Infinity's features such as SecurePrint, Printer Delegation, Printer Profiles, Archiving, Statistics Monitoring and Mobile Printing refer to the [UniPrint Infinity Administrator's Guide](#).



NOTE: To access advanced printer preferences, for example, stapling and hole punching, use Printer Profiles. For more information on setting up and using Printer Profiles, refer to the [UniPrint Infinity Administrator's Guide](#).

This quick start guide is specific to environments that connect to Citrix/terminal servers using thin clients only or a combination of thin and thick clients and that use print servers. Only the components necessary to print through UniPrint Infinity will be installed and only instructions on printing from a user's session will be presented.

Installation Scenario



This scenario requires three servers and one client device. The first server will have UniPrint Bridge with the license server installed. The second server will have UniPrint Print Server installed. The third server will have UniPrint Application Server installed. The fourth computer will act as a client to connect to the application server for testing purposes and therefore does not require any UniPrint software to be installed.

Recommended System Requirements

Server 1: UniPrint Bridge requires one of the following supported operating systems and all of the roles and features listed:

- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- with .NET Framework 4.5 feature installed

Server 2: UniPrint Print Server requires one of the following supported operating systems and all of the roles and features listed:

- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- with .NET Framework 4.5 feature installed

Server 3: UniPrint Application Server requires one of the following supported operating systems:

- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- with Remote Desktop Services role installed
- with .NET Framework 4.5 feature installed

Recommended Installation Procedure



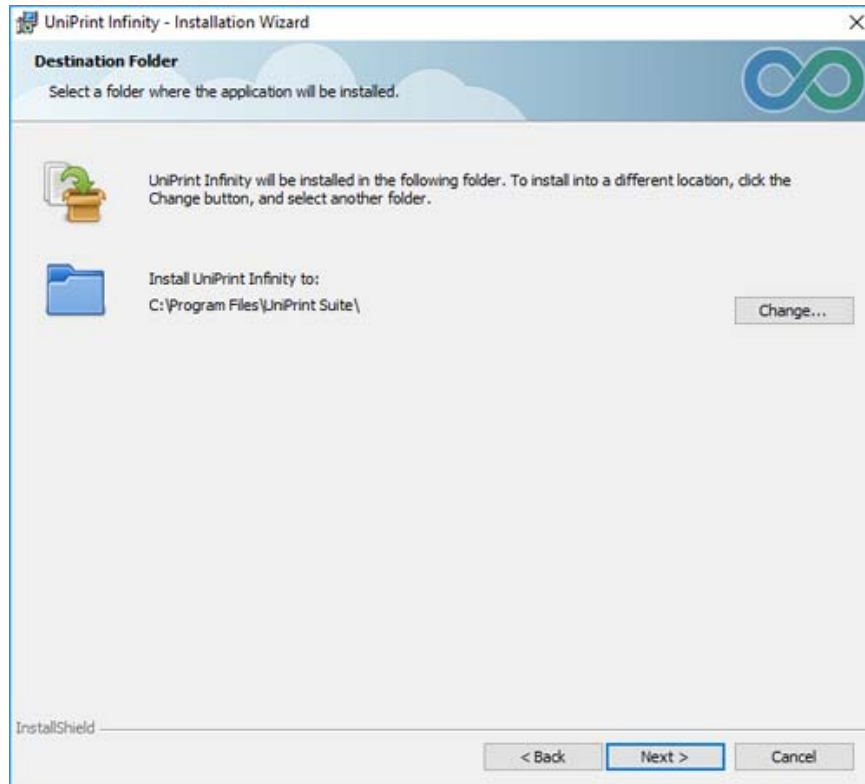
NOTE: The following instructions explain how to deploy UniPrint Infinity in a print server environment using the minimum number of computers. This installation scenario is designed and intended for testing purposes and does not reflect production best practices.

1. Install UniPrint Bridge on Server 1.
2. Install UniPrint Print Server on Server 2.
3. Install UniPrint Application Server on Server 3.
4. Install a test printer on the UniPrint Print Server (Server 2).
5. Add the test printer in a user session. PrintPAL can be used to replace this step. See the [UniPrint Infinity Administrator's Guide](#) for instructions on how to set up PrintPAL.

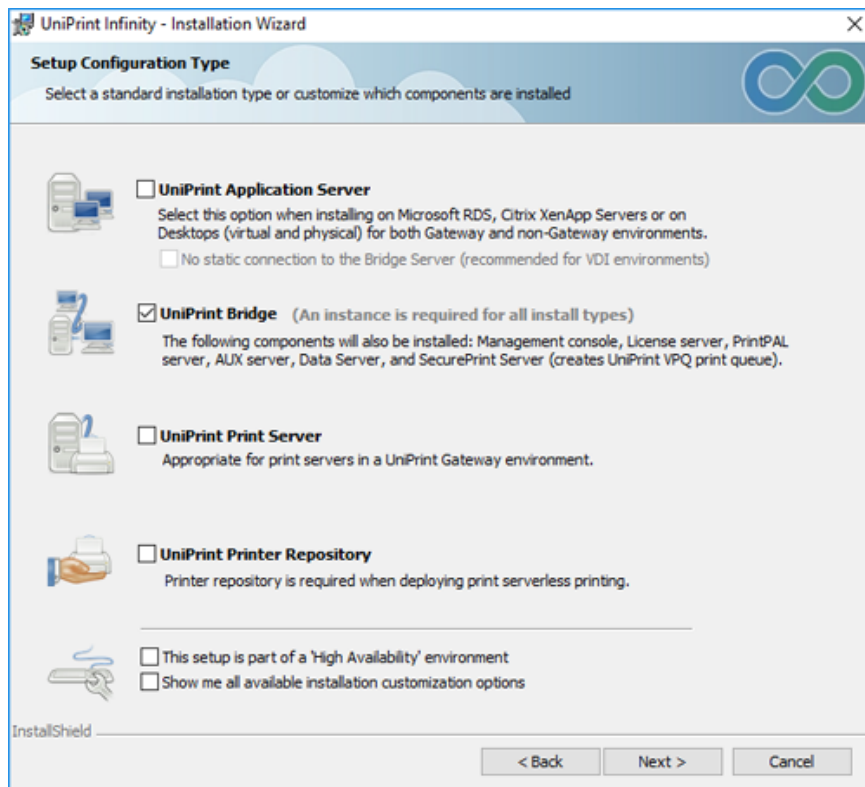
STEP 1: Install UniPrint Bridge


1. On Server 1, run the installation program as an administrator.
2. In the **UniPrint Infinity Installation** dialog box, click **Next**.
3. In the **License Agreement** dialog box, click **I accept the terms in the license agreement** and then click **Next**.

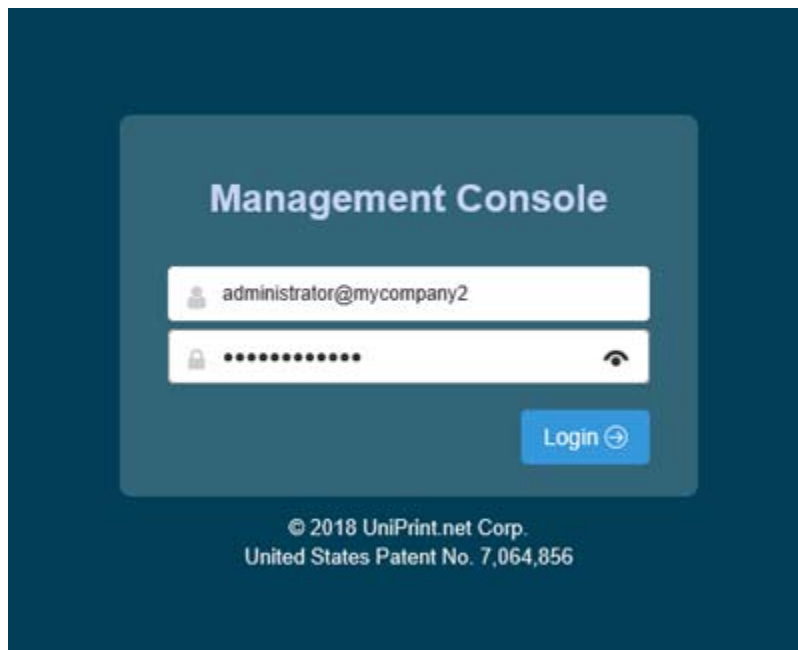
4. In the **Destination Folder** dialog box, click **Next** to accept the default location for the UniPrint program files. Click **Change** to select a different location.



5. In the **Setup Configuration Type** dialog box, select **UniPrint Bridge** and then click **Next**.



6. Some components, for example, the Management Console and SecurePrint, require SQL Server to be installed. Click **Next**.
7. In the **Ready to Install the Program** dialog box, click **Install**. The UniPrint installer will copy files to the destination folder.
8. Click **Finish** to complete the installation.
9. Click  and then click **Management Console**.
10. Enter administrative domain credentials and then click **Login**.



11. At the top of the console, click **All Servers**.

The screenshot shows the UniPrint.net dashboard. In the top right corner, the user is logged in as 'Administrator'. A red box highlights the 'All Servers' menu item in the top navigation bar. The dashboard content includes a 'Licensed' status card, a 'Bridge Server' card for BRIDGEWIN2016, and a 'RECENT ACTIVITIES' section with a list of printer management events.

12. Mouse over the UniPrint Bridge and then click **Info**.

This screenshot shows the same dashboard as above, but with a dropdown menu open for the 'Bridge Server' (BRIDGEWIN2016). The 'Info' button is highlighted with a red box. The dropdown menu lists various server roles: BRIDGEWIN2016 (BRIDGE, LICENSE SERVER, PRINCIPAL, SECUREPRINT SERVER, DATA SERVER, STATISTICS SERVER, ARCHIVE SERVER, APPLICATION SERVER), PRINTWIN2016 (PRINT SERVER, SECUREPRINT COMPONENTS, AIRPRINT PRINTING MODULE, STATISTICS CLIENT, ARCHIVE CLIENT, EMAIL2PRINT, DOCUMENT CONVERSION SERVER), and APPWIN2016 (APPLICATION SERVER).

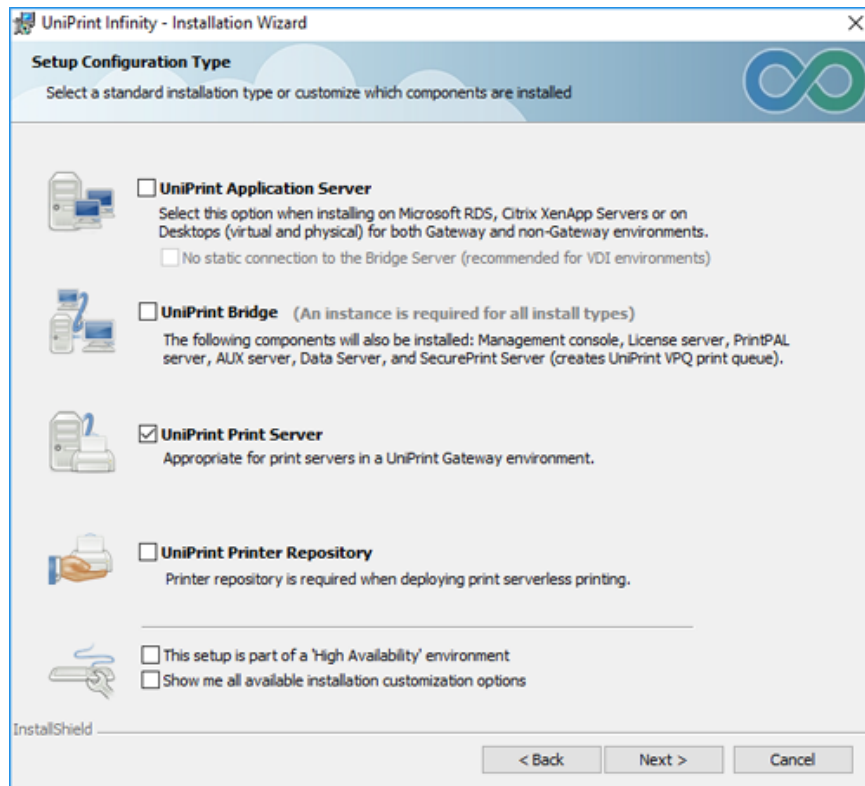
13. Take note of the IP address. This is required when installing the UniPrint Application Server.

The screenshot displays the UniPrint Infinity dashboard. At the top, it shows the user 'Administrator' and the server 'All Servers'. The main dashboard area includes a 'DASHBOARD' header, a 'Licensed' status indicator, and a 'RECENT ACTIVITIES' section with a list of printer management actions. On the right, a 'Servers List' panel is open for 'BRIDGEWIN2016', showing details for various server components. The 'IP address' field is highlighted with a red box, displaying '192.0.2.100'. Other details include 'OS: Windows 2016 Server - Standard Edition' and 'OS Version: 10.0.9200'.

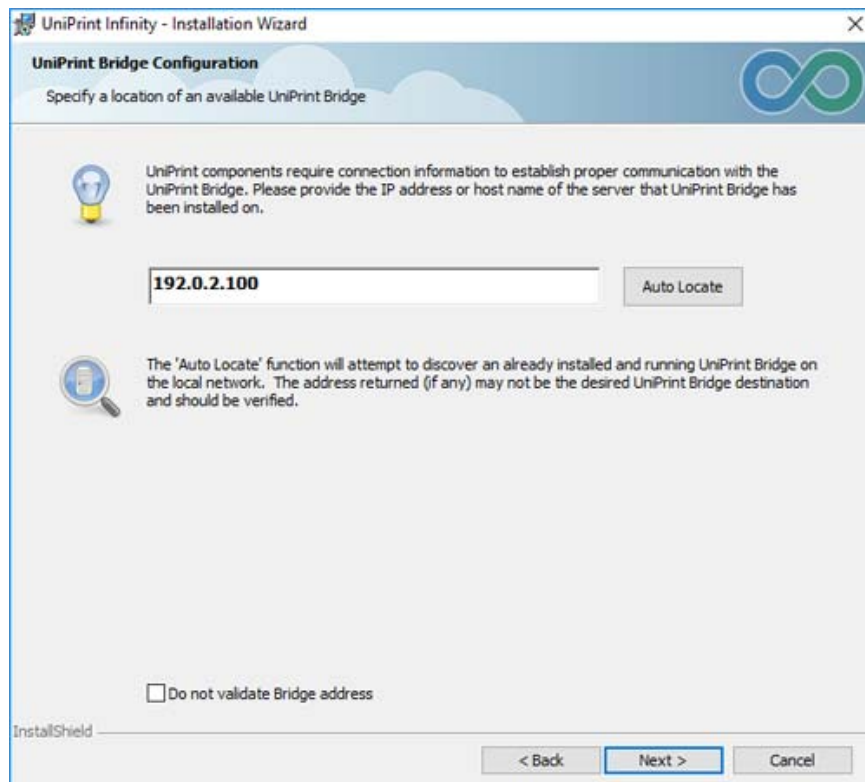
STEP 2: Install UniPrint Print Server

1. On Server 2, run the installation program **UniPrint10_x*_Setup.exe** as an administrator.
2. In the **UniPrint Infinity Installation** dialog box, click **Next**.
3. In the **License Agreement** dialog box, click **I accept the terms in the license agreement** and then click **Next**.
4. In the **Destination Folder** dialog box, click **Next** to accept the default location for the UniPrint program files. Click **Change** to select a different location.

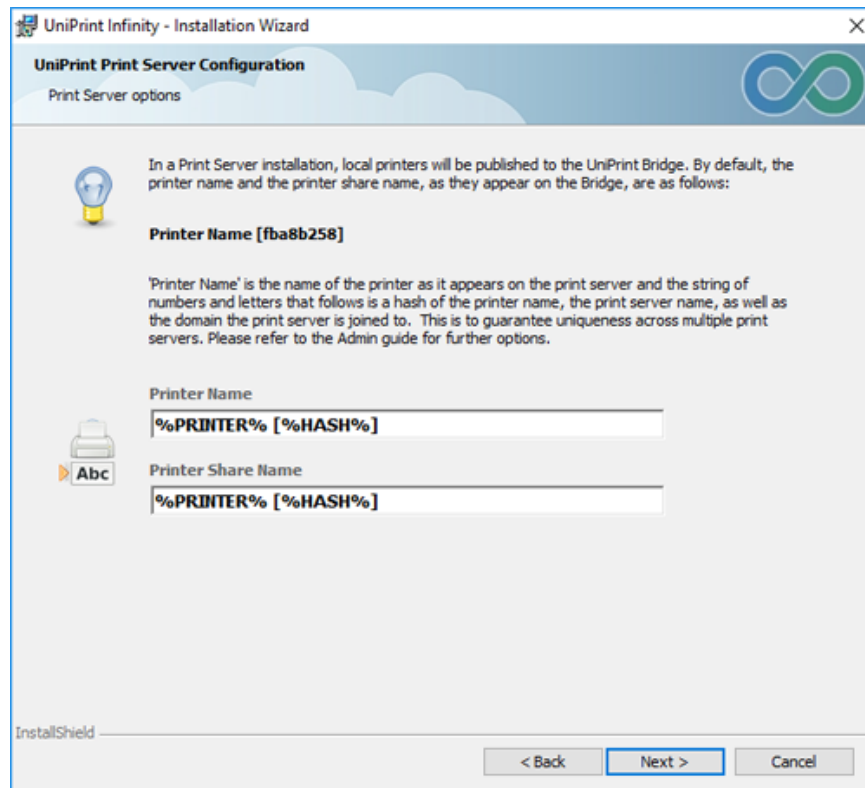
5. In the **Setup Configuration Type** dialog box, select **UniPrint Print Server** and then click **Next**.



6. In the **UniPrint Bridge Configuration** dialog box, enter the **IP Address** of the UniPrint Bridge (License Server) and then click **Next**.



7. In the **UniPrint Print Server Configuration** dialog box, click **Next**.

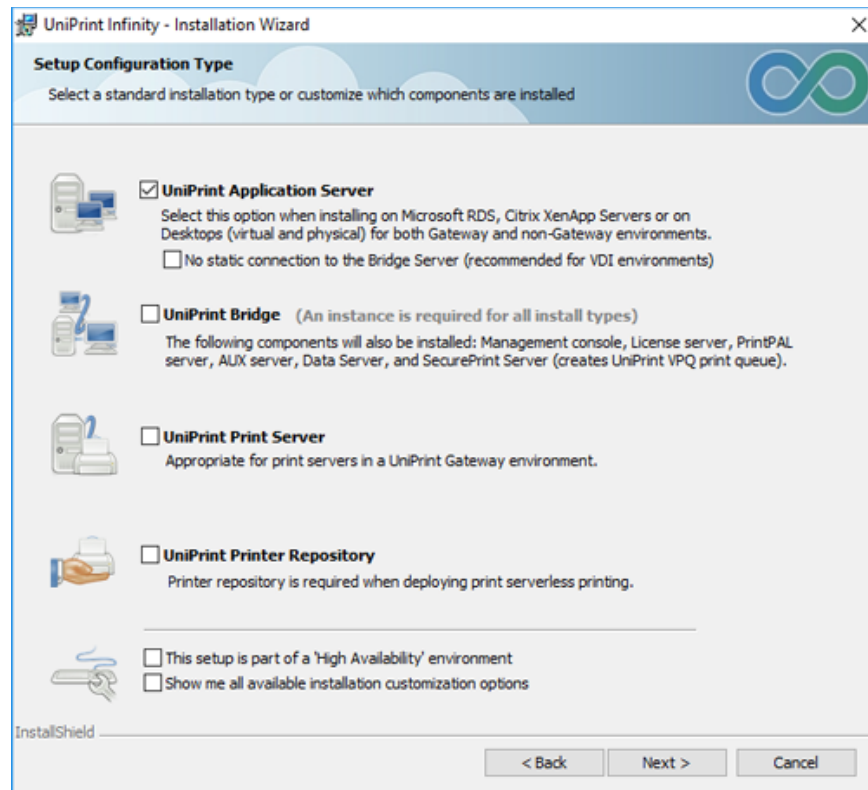


8. In the **Ready to Install the Program** dialog box, click **Install**. The UniPrint installer will copy files to the destination folder.
9. Click **Finish** to complete the installation.

STEP 3: Install UniPrint Application Server


1. On Server 3, run the installation program **UniPrint10_x*_Setup.exe** as an administrator.
2. In the **UniPrint Infinity Installation** dialog box, click **Next**.
3. In the **License Agreement** dialog box, click **I accept the terms in the license agreement** and then click **Next**.
4. In the **Destination Folder** dialog box, click **Next** to accept the default location for the UniPrint program files. Click **Change** to select a different location.

5. In the **Setup Configuration Type** dialog box, select **UniPrint Application Server** and then click **Next**.

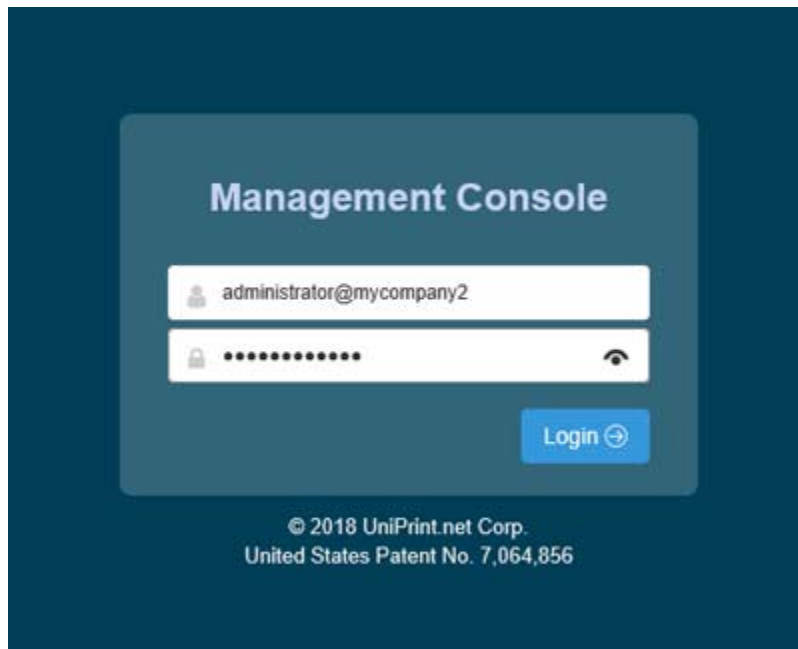


6. In the **UniPrint Bridge Configuration** dialog box, enter the **IP Address** of the UniPrint Bridge (License Server) and then click **Next**.
7. In the **Ready to Install the Program** dialog box, click **Install**. The UniPrint installer will copy files to the destination folder.
8. Click **Finish** to complete the installation.

STEP 4: Install a Test Printer On The UniPrint Print Server


1. On the UniPrint Print Server (Server 2), open **Print Management**.
2. Add a printer to the local print server by following the printer manufacturer's instructions for installing their printer driver.
3. On the UniPrint Bridge, click  and then click **Management Console**.

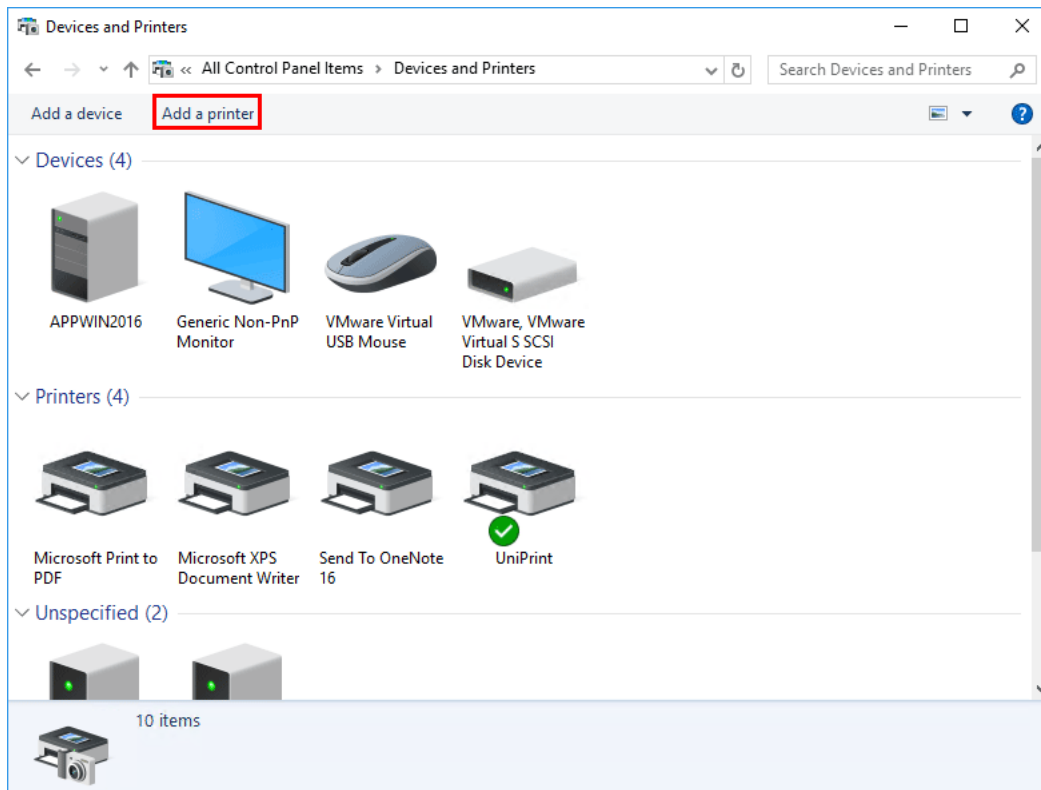
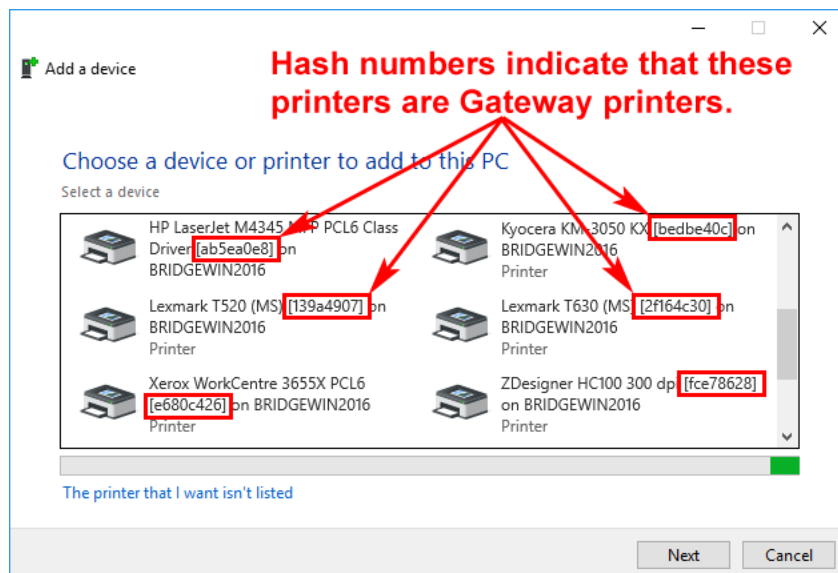
4. Enter administrative domain credentials and then click **Login**.



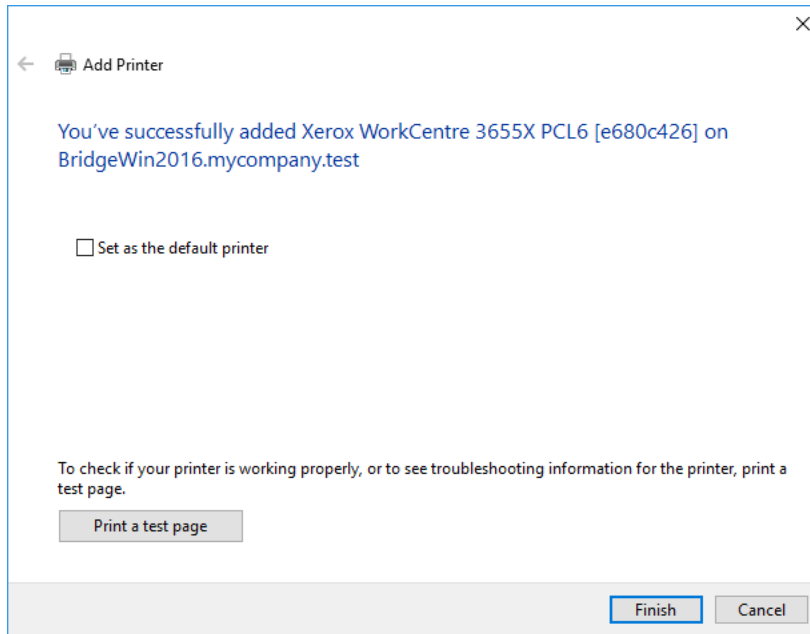
5. Under **Properties & Settings**, click **Printers**.
6. Ensure that the test printer appears as type **Gateway**.

STEP 5: Add the Test Printer In A User Session

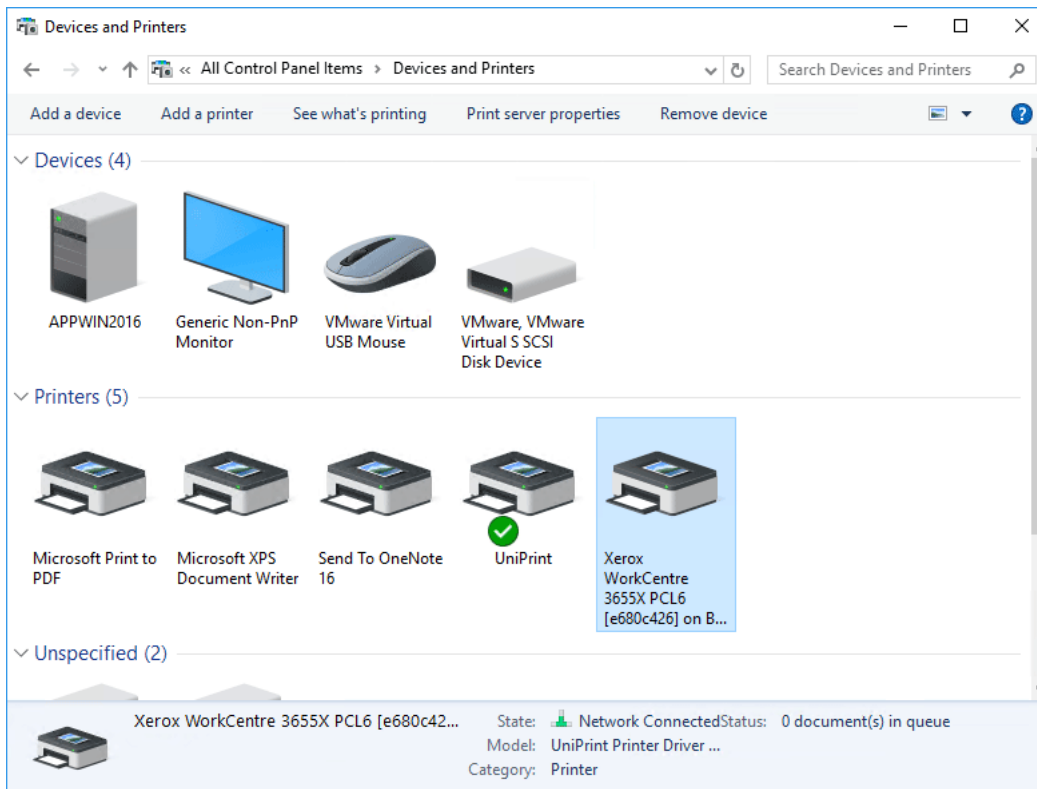
1. From a client device, log onto the application server as you normally would through RDP or ICA to access applications.
2. Click  and then click **Control Panel**. Double-click **Devices and Printers**.

3. Click Add a Printer.**4. Click to select a Gateway printer which are usually indicated with hash numbers. Hash numbers are used to ensure that each Gateway printer is unique and for users they are good indicators that the printer is indeed a Gateway printer.****5. Click Next.**

6. If you want this printer to be set as the session default, select **Set as default printer** and then click **Finish**.

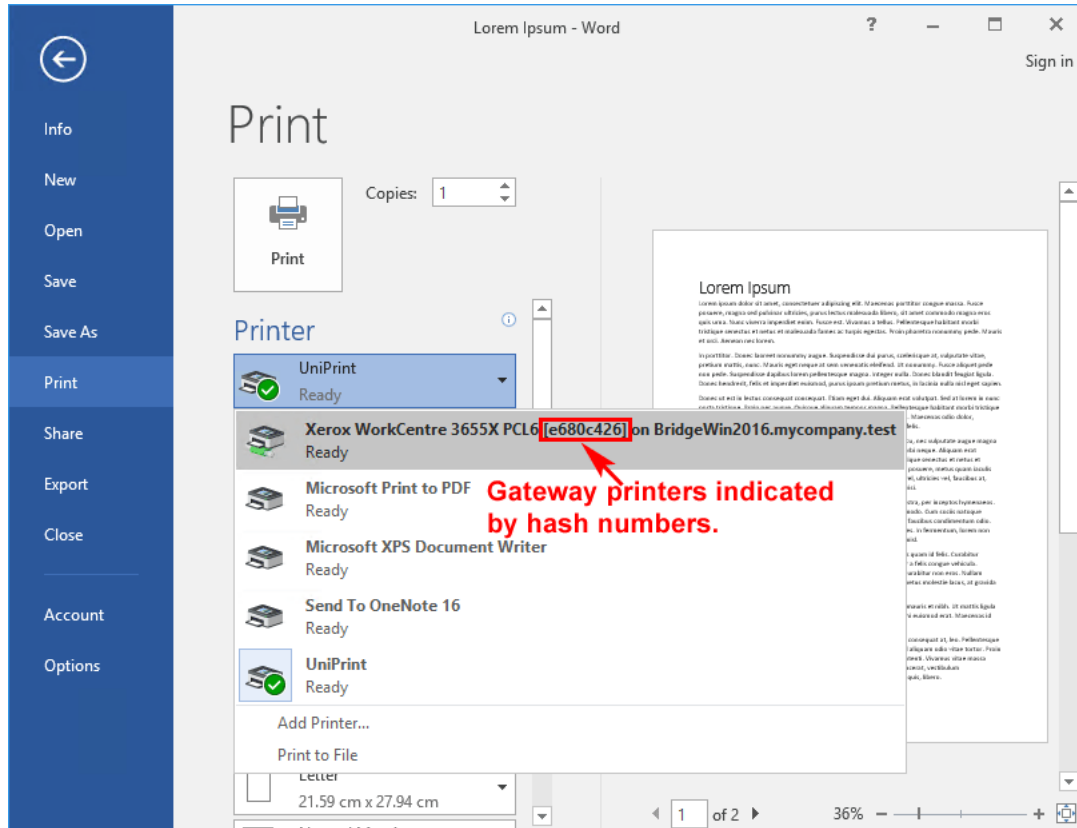


7. The Gateway printer is now added to the session and is available for printing.



Printing From An ICA/RDP Session

1. From a client device, launch an ICA/RDP session by logging onto the application server as you normally would to access applications.
2. Open an application from which to print, for example, Microsoft Word.
3. Print from the application. For example in Microsoft Word 2016, click the **File** tab and then click **Print**.
4. Select the test **Gateway** printer (one with the hash numbers).



5. And then click **Print**.

- After 15 days from installation, the demo license will expire and any documents printed will have a watermark across each page. To remove this watermark, contact sales@uniprint.net to request an extended demo license or to purchase UniPrint Infinity.

