

# **UniPrint Administrator's Guide**

## **UniPrint Client for Mac Version 4.0**

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UniPrint, a division of GFI Business Solutions, Inc.

1 Eva Road, Suite 309

Toronto, Ontario

Canada M9C 4Z5

(416) 503-9800

Toll Free: (866) 488-3188 (North America only)

[www.uniprint.net](http://www.uniprint.net)

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## Document Revision History

Date	Notes
July 16, 2009	First release.
August 17, 2010	Added UniPrint Suite 7.0.1 features and updated screen shots. Updated all references of Terminal Services to Remote Desktop Services and Citrix ICA Client for Mac has been updated to Citrix Online Plug-in for Mac. Updated screen shots to Mac OS X Snow Leopard 10.6.3.



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## Introduction

The UniPrint Client software is installed on Macintosh computers running server-based sessions where UniPrint is installed. When a user prints using the UniPrint printer driver, a PDF document is created and sent to the Macintosh computer. UniPrint Client monitors for incoming print jobs and then processes them using Preview. These print jobs (PDF files) can then be printed automatically, previewed or saved using options available in Preview.

The latest version of UniPrint Client can be downloaded for *free* from [www.uniprint.net](http://www.uniprint.net).

## How the UniPrint Client Works

UniPrint Client uses one of two methods to receive print jobs:

1. Drive Mapping
2. Pasteboard

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### NOTE

For the Pasteboard method, ensure that the **Mac Client** protocol is enabled on the UniPrint Server machine. For more information, see ["UniPrint Management Console Settings" on page 7](#).

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By default both options are enabled. If the **Enable Drive Mapping** option is selected, when the UniPrint Client is launched, it creates a virtual disk on the user's desktop called **UniPrintDrive**. This is where print jobs are transferred to from the application server. This virtual disk should *not* be ejected or the file UPClient.config located in this virtual disk will be removed and UniPrint will not function properly.

If an ICA/RDC session is launched *before* the UniPrint Client is started, the session will not recognize the **UniPrintDrive** virtual disk drive and print jobs can *not* be received using the drive mapping method.

While the UniPrint Client is in memory, it constantly monitors the **UniPrintDrive** virtual disk drive for print jobs received from the application server. If it finds a print job, it will open the print job using Preview.

When the UniPrint Client is closed or if the **Enable Drive Mapping** option is deselected, the virtual disk **UniPrintDrive** is ejected.



## Installation and Configuration

### Minimum System Requirements

UniPrint Client 4.0 supports the following UniPrint products:

- UniPrint Server Version 6.1.5 or later or UniPrint VDI Edition 6.1.5 or later.

UniPrint Client 4.0 requires the following:

- Mac OS X 10.4 or later.
- Microsoft Remote Desktop Connection Client for Mac and/or Citrix Online Plug-in for Mac.

### Installing UniPrint Client

1. Log on to the Macintosh computer with administrative rights.
2. If you are using Safari, the downloaded UniPrint Client virtual image file is saved to the desktop unless you specified a different location in the **Preferences** dialog box of Safari. Double-click the virtual image file called **UniPrint Client for Mac 4.0.1.dmg**.
3. Click **Agree** to accept the license agreement terms and conditions.
4. The virtual disk, **UniPrint Client 4.0.1 Installer**, should appear on your desktop.



5. In the **UniPrint Client 4.0.1 Installer** dialog box, drag the **UniPrint Client** folder to your **Applications** folder.



6. Once **UniPrint Client** appears in the **Applications** folder, close the **UniPrint Client 4.0.1 Installer** dialog box.
7. Drag the **UniPrint Client 4.0.1 Installer** virtual disk to **Trash** to eject it.
8. In the **Applications** folder, open the **UniPrint Client** folder.
9. Double-click the **UniPrint Client** application icon to launch the client.

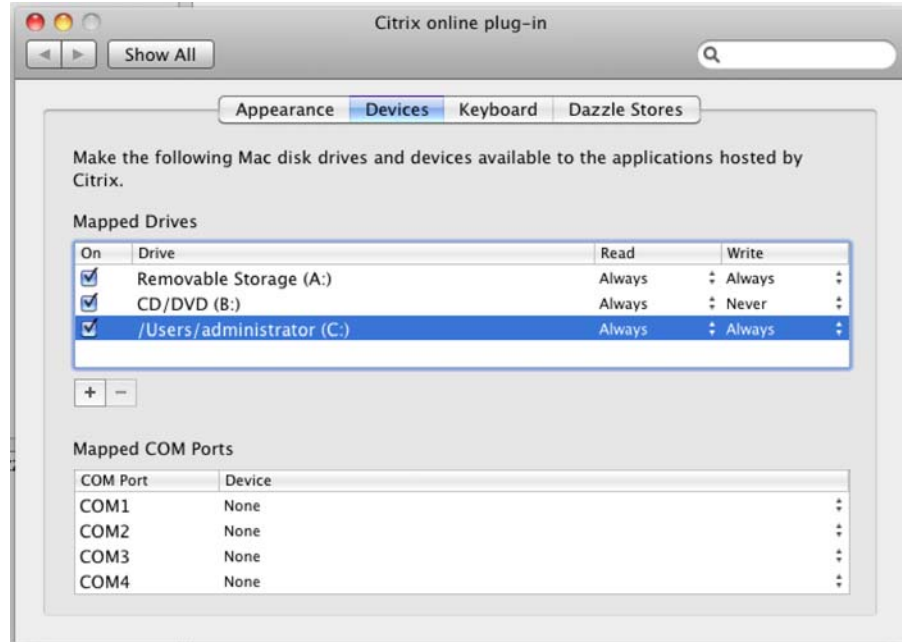
## Configuring the User Environment

If there are multiple user accounts on a Macintosh, they must have the proper settings in the ICA/RDC clients. The following steps need to be performed under each user account. Users do not need to have administrative rights to use the UniPrint Client.

### ***Citrix Online Plug-in Settings***

To use the drive mapping method to receive print jobs, do the following:

1. In the **Applications** folder, click **Citrix** and then double-click **Dazzle**.
2. Ensure that the **On** check box is selected beside the user directory and that **Read** and **Write** permissions are set to **Always**.



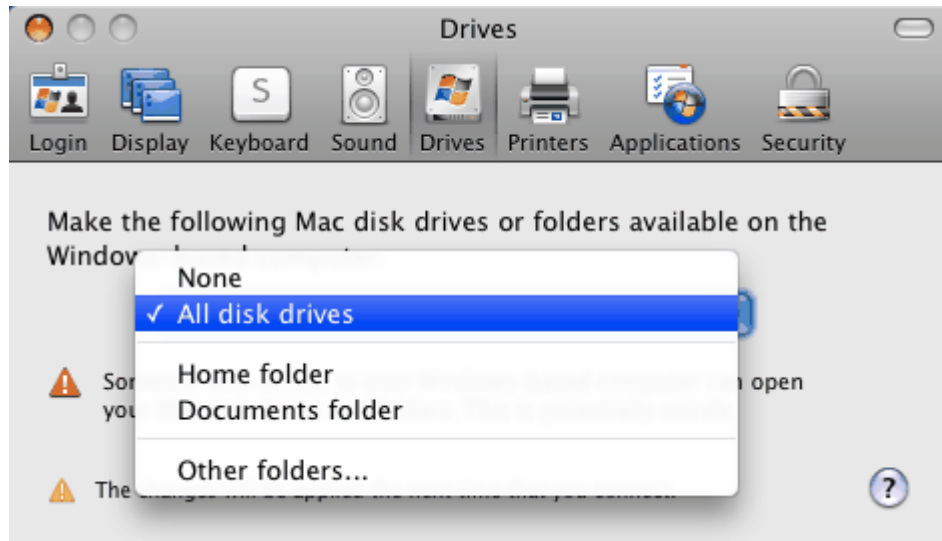
Drive mapping is enabled by default.

### ***Microsoft RDC Client Settings***

To use the drive mapping method to receive print jobs, do the following:

1. In the **Dock**, click the **Remote Desktop Connection** icon.
2. In the menu bar, click **RDC** and then click **Preferences**.

3. Click **Drives** and ensure that **All Disk Drives** is selected.



## Uninstalling UniPrint Client

To uninstall the UniPrint Client:

1. In the **Dock**, click the **UniPrint** icon.
2. In the menu bar, click **UniPrint Client** and then click **Quit UniPrint Client**.
3. In the **Applications** folder, drag the **UniPrint Client 4.0** folder to the **Trash**.

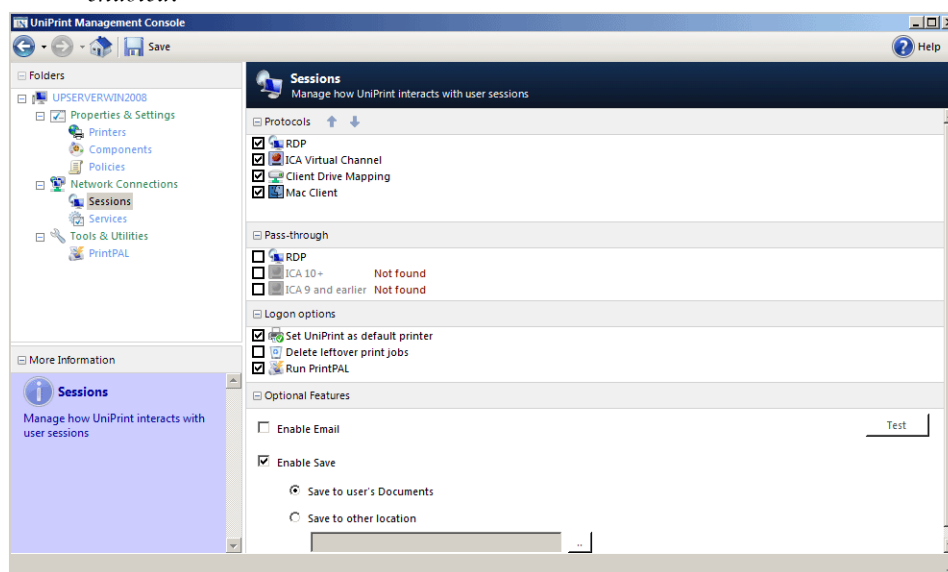
## Server Configuration

### NOTE

This version of UniPrint Client is only compatible with UniPrint Server 6.1.5 or later and UniPrint VDI Edition 6.1.5 or later.

## UniPrint Management Console Settings

1. Log in to the UniPrint Server with administrative rights.
2. Click **Start**, click **All Programs**, click **UniPrint Suite** and then click **UniPrint Management Console**.
3. Under **Network Connections**, click **Sessions**.
4. Under **Protocols**, ensure that both **Client Drive Mapping** and **Mac Client** are selected. *NOTE: By default Mac Client is disabled, however, for the Pasteboard print job transfer method, Mac Client must be enabled.*



5. Click **Save**.

### NOTE

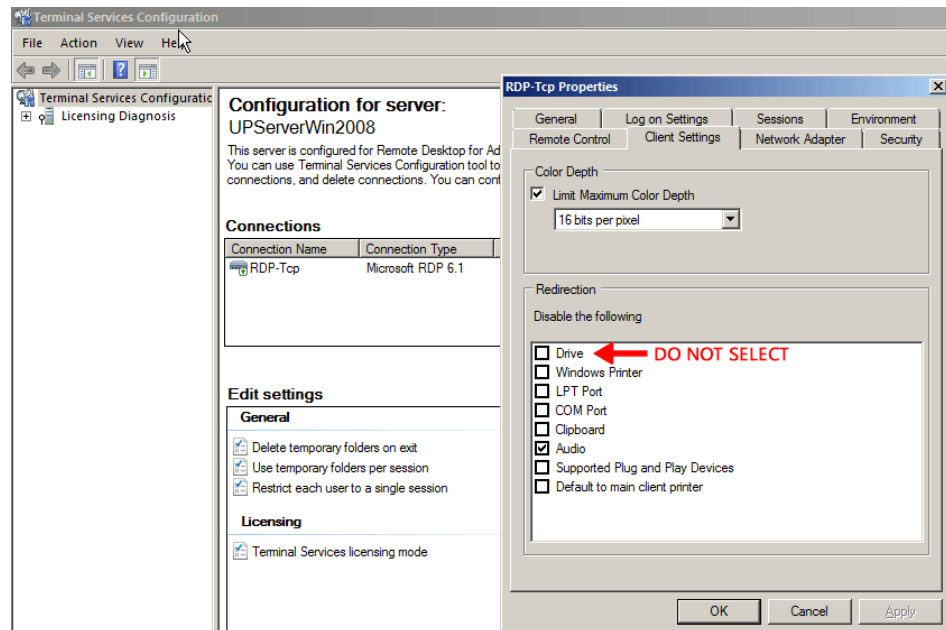
By default **Mac Client** is the last option in the list. If this order is changed, any protocol set after **Mac Client** will not function properly.

## Client Drive Mapping

### NOTE

Client drives do not need to be connected, however Client Drive Mappings on the Server *must not* be disabled if you wish to use the drive mapping method to receive print jobs.

1. Log in to the UniPrint Server.
2. Click **Start**, point to **Administrative Tools**, **Terminal Services** and then click **Terminal Services Configuration**.
3. Double-click **RDP-Tcp** and/or **ICA-tcp** connection.
4. Click the **Client Settings** tab.
5. Under **Disable the following**, ensure that **Drive** is *NOT* selected.



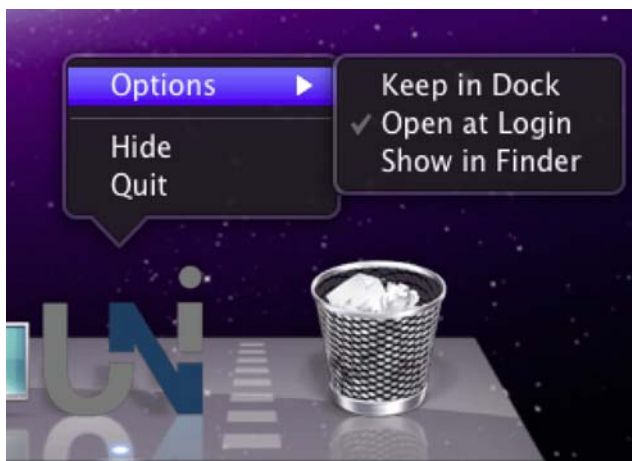
6. If a third-party software is used to lock down the server, ensure that client drive mapping has *NOT* been disabled.

## Configuring UniPrint Client

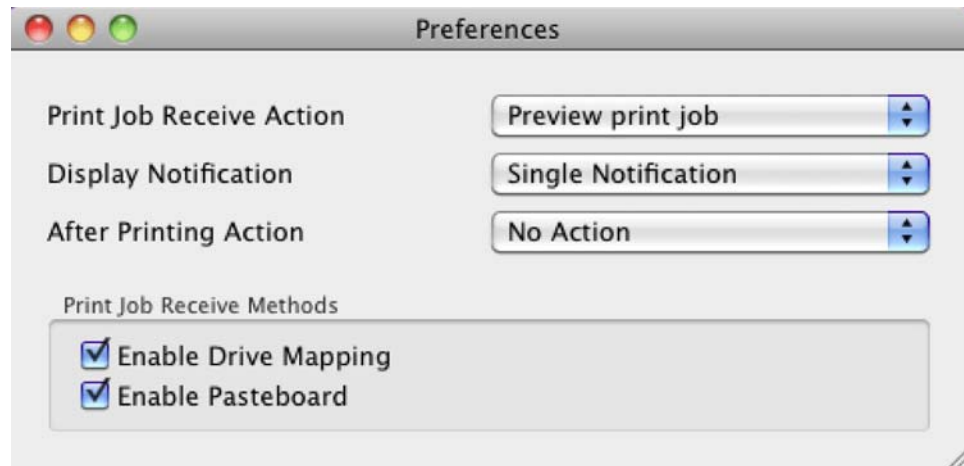
To use the UniPrint Client within an ICA/RDC session, print to the **UniPrint** printer. Within a few seconds, depending on network speed and print job size, the UniPrint Client will detect the print job and load it in Preview.

### Starting UniPrint Client

Initially, UniPrint Client needs to be launched manually. To have UniPrint Client launch automatically when a user logs in, right-click the **UniPrint** icon in the **Dock**, click **Options** and then click **Open at Login**.



## Preferences



To access UniPrint Client preferences, do the following:

1. In the **Dock**, click the **UniPrint** icon.
2. In the menu bar, click **UniPrint Client** and then click **Preferences**.

### ***Print Job Receive Action***

<b>Preview print job</b>	Displays the print job in Preview where users have access to options available in the Preview.
<b>Display print dialog only</b>	Instead of previewing the print job, only the <b>Print</b> dialog is opened, allowing users to select printer specific options.
<b>Print directly to printer</b>	Print jobs are sent directly to the default printer defined on the Macintosh without previewing it first.

### ***Display Notification***

<b>Single Notification</b>	If enabled, when a print job arrives on the Macintosh, the <b>UniPrint</b> icon in the <b>Dock</b> jumps up and down <i>once</i> .
<b>None</b>	No action in the <b>UniPrint</b> icon.



## After Printing Action

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### NOTE

These options apply only if **Preview print job** is set as the **Print Job Receive Action**.

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**No Action** If enabled, the print job remains loaded in Preview until the Preview window is closed manually.

**Close Preview** If enabled, Preview closes after the user clicks **Print**.

## Print Job Receive Methods

**Enable Drive Mapping** If selected, UniPrint Client receives print jobs through RDC or ICA Client Drive Mapping virtual channel, provided that:

- Both server-side and client-side options are enabled. For more information, see [Chapter 2: "Configuring the User Environment" on page 4](#) and [Chapter 3: "Client Drive Mapping" on page 8](#).
- UniPrint Client is loaded into memory *before* starting an ICA/RDC session.

**Enable Pasteboard** If selected, UniPrint Client receives print jobs by pasting the content to Macintosh's Pasteboard.

## Quit UniPrint Client

To quit UniPrint Client, do the following:

- In the **Dock**, click the **UniPrint** icon.
- In the menu bar, click **UniPrint Client** and then click **Quit UniPrint Client**.



## Contact and Support

### UniPrint Support

Contact us if you experience any problems with the UniPrint Client for Mac 4.0 product.

**North America    Hours of Operation**

06:00 – 19:00 Eastern Time (UTC -5)  
Monday to Friday

**Toll Free Phone Number (North America only)**

(866) 488-3188 option 3

**Phone Number**

(416) 503-9800 option 3

**Europe, Middle East, and Africa    Hours of Operation**

11:00 – 24:00 Coordinated Universal Time (Greenwich Mean Time)  
Monday to Friday

**Phone Number**

(44) 0134 420 6144

**E-mail**    [support@uniprint.net](mailto:support@uniprint.net)

### Office Location

**Head Office**    UniPrint, a division of GFI Business Solutions Inc.  
1 Eva Road, Suite 309  
Toronto, ON M9C 4Z5  
Canada

**Phone Number**

(416) 503-9800

**Toll Free Phone Number (North America only)**

(866) 488-3188

