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 $\mathsf{FM2008103001}$  (FollowMe - HP Universal Print Driver (UDP) - Integration Guide -  $\mathsf{en}\text{-}\mathsf{gb})$ 

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## Introduction

## Overview

This integration guide gives an overview of how to install HP Universal Print Driver (UPD) in conjunction with FollowMe. It assumes the user is familiar with Windows printing and has sufficient rights and skills to install Windows print queues.

It should be noted that local administrator rights will be required when installing the HP UPD on your designated server.

This integration guide is based on version 4.1 of the HP Universal Print Driver (UDP) which is available for download from the HP web site. Earlier versions of the UPD may behave differently and therefore we recommend that you use the HP UPD version 4.1 or later when following these recommended installation steps.

To download the latest version of the HP UPD, please visit the HP web site via the link below:

www.hp.com/go/upd

**NOTE:** The HP Universal Print Driver (UDP) is currently available in three flavours which support PCL5, PCL6, or PostScript, respectively. The recommendations in this document apply to all three versions of the UPD unless otherwise stated.



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#### Overview

The UDP Traditional Mode is the recommended method when integrating with FollowMe.

The following steps outline the process to install the driver and configure the driver options (alternatively the HP Driver Pre-configuration tool can be used to pre-configure the UPD before deployment).

#### **Pre-Requisites**

It is required that a v4.1 and above version of the UDP is downloaded ready for installation from the HP web site:

www.hp.com/go/upd

#### Installation Procedure

1) Run the UPD installation package on the designated server / Install Driver. Choose a path for the unzipped driver files and un-Zip the contents.

WinZip Self-Extractor - HPUPD41PCL532.exe	×
To unzip all files in HPUPD 41 PCL 532.exe to the specified folder press the Unzip button.	Unzip
Unzin to folder:	Run WinZip
C:\HP-UPD4_1-PCL5-32 Browse	Close
✓ Overwrite files without prompting	About
	Help

2) Locate and then Run the Installer (Install.exe) from the unzipped folder.





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#### 3) Choose Traditional Mode.



4) Select Local Printer.

Add Printer Wizard
Local or Network Printer The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
C Local printer attached to this computer
Automatically detect and install my Plug and Play printer
C A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back Next> Cancel

5) Select Create a new port, and choose Standard TCP/IP Port for port type





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6) Enter the IP Address or hostname of the Printer/MFP where you would like to map the default driver settings from which later will be used as the same settings for printing directly to FollowMe.

Add Standard TCP/IP Printer Port Wizard	×	Add Standard TCP/IP Printer Port Wizard
Add Port For which device do you want to add a port?		Completing the Add Standard TCP/IP Printer Port Wizard
Enter the Printer Name or IP address, and a port name for the desired device	9.	You have selected a port with the following characteristics.
Printer Name or IP Address: xxx.xxx.xxx	_	SNMP: Yes
	_	Protocol: RAW, Port 9100
Port Name: IP_XXX.XXX.XXX		Device: 195.149.25.44
		Port Name: IP_195.149.25.44
		Adapter Type: Hewlett Packard Jet Direct
		To complete this wizard, click Finish.
<back next=""></back>	Cancel	< Back Finish Cancel

7) Select the HP Universal Print Driver from the driver list.

Add Printer Wizard	
Install Printer Software The manufacturer and model determine wh	nich printer software to use.
Select the manufacturer and model of ye disk, click Have Disk. If your printer is no compatible printer software.	our printer. If your printer came with an installation ot listed, consult your printer documentation for
Printers	
This driver is digitally signed. <u>Tell me why driver signing is important</u>	Windows Update Have Disk
	<back next=""> Cancel</back>

8) Enter the printer name you wish to use, for example FollowMe.

Add Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
FollowMe UPD
Do you want to use this printer as the default printer?
⊙ No
< Back Next > Cancel



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9) Choose if the printer should be shared or not, in a live environment it generally would be.



10) Enter any relevant information for the Location and Comments fields.





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# UPD Driver Configuration

1) Open the Installed UPD Properties.



2) Choose Drive Settings, and select Update Now from the Installed Options/Automatic Configuration drop down list

General     Sharing     Ports     Advanced     Color Management       Security     Device Settings     About
Socially Robinson Strengthere Settings     Socially Robinson
4

3) Open the Installed UPD Properties





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4) Click on Configure Port.



- 5) Select LPR Protocol
  - a. Change the IP Address to the FollowMe Q-Server Address
  - b. Enter the LPR Queue Name
  - c. Click OK
  - d. Ensure LPR Byte Counting Enabled is NOT selected
  - e. Ensure SNMP Status Enabled is NOT selected

Configure Standard TCP/IP	Port Monitor	? ×
Port Settings		
Port Name:	IP_127.0.0.1	
Printer Name or IP Address:	127.0.0.1	
Protocol	,	
C Baw	• LPI	а
Raw Settings Port Number:	9100	
LPR Settings Queue Name:	FollowMe	
LPR Byte Counting Er	nabled	
SNMP Status Enabled	I	
Community Name:	public	
SNMP Device Index:	1	
	OK	Cancel



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### Overview

The UDP *Dynamic Mode* can be used in conjunction with the HP Managed Print Administration (MPA) tool.

The following steps outline the process to configure the MPA.

#### **Pre-Requisites**

It is required that a v4.1 and above version of the UDP is downloaded ready for installation from the HP web site:

www.hp.com/go/upd

Also the Managed Print Administration (MPA) tool should be downloaded and installed from the HP web site:

www.hp.com/go/mpa

#### Installation Procedure

1) Run the UPD installation package on the designated server / Install Driver. Choose a path for the unzipped driver files and un-Zip the contents.



2) Locate and then Run the Installer (Install.exe) from the unzipped folder.





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#### 3) Choose Dynamic Mode.

HP Universal Printing Installer	HP Univers	al Print	ting Instal	ler X
Installation Mode	*	* *	* *	Finish
Select an installation mode for the 'HP Universal Printing PCL 5' driver.			* .	
Setup can install the 'HP Universal Printing PCL 5' driver in either traditional mode or dynamic mode.				
Select an installation mode, then click 'Install',				Printer: HP Universal Printing PCL 6
ITraditional Mode - Creates a regular printer object in your Printers folder. With this mode, you select the destination printer now, and it remains fixed.			7	Status: Printer 'FollowMe UPD' was successfully installed.
Opynamic Mode - Creates a special 'Universal Printer' object in your Printers folder. With this mode, you can dynamically select your destination printer each time you print.			<b>ゆ</b>	Printer installation complete. Click 'Finish' to close Setup.
 	Ø			Finish

#### 4) Using the MPA

- a. Create a Virtual Printer
- b. Enter the IP Address of a Printer/MFD to map the default driver settings for use with FollowMe
- c. Click Add
- \* Alternatively you can use WJA to export the settings to XML

Bhttp://nt-uk-lap-6 - HP Managed Printing Administration - Mozilla Firefox			
IP Managed Printing Administration			
Home Manage virtual printers			
Managed Printer Lists	Create a new virtual printer		
<ul> <li>Create a new list</li> <li>Edit an existing list</li> </ul>	Virtual printers can be used to specify attributes for one or more printers within an MPL, particularly those printers that because of network circumstances cannot be queried for their "real" attributes.		
<ul> <li>Associate with a policy</li> <li>Duplicate an existing list</li> </ul>	Note: the address must be given in TCP/IP or hostname format.		
<ul> <li>Manage MPL view</li> <li>Manage virtual printers</li> </ul>	Address: Add »		
Remove an existing list			
Managed Print Policies			

5) Confirm the Virtual Printer has been created with the correct settings.

http://nt-uk-lap-6 - HP Mana	ged Printing Administration - Mozilla Firefox
🕼 HP Manage	d Printing Administration
ome	Manage virtual printers
Managed Printer Lists     Create a new list     Edit an existing list     Associate with a policy     Duplicate an existing list     Manage MPL view     Manage virtual printers     Remove an existing list	Create a new virtual printer Virtual printers can be used to specify attributes for one or more printers within an MPL, particularly those printers that because of network circumstances cannot be queried for their "real" attributes. Note: the address must be given in TCP/IP or hostname format. Address: Address Address Address Address
User Groups   Help	All existing virtual printers, and their attributes, are shown here. To edit a virtual printer's name, as it appear for selection within this application, simply update the corresponding text field and click the [Done > ] or [Apply] buttons.
	Name         IHP         LassGrüce         INSULTS         143         Address         INSULTS         Name         Insult         Composition         Remove           Uplex         Hard datasi         Input         Output         Supported PDLs         Supported PDLs           Ves         Yes         Yes         TRAV 1         Standard Output Bin         PS: Version 2.1           PCLS         Version 2.0         TRAV 3         PCLS: Version 5.00         TRAV 3           C         Requery this device to update ts capabilities         Supposition         Supposition         Supposition

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6) Edit the MPL required to add the FollowMe print queue.

🕲 http://nt-uk-lap-6 - HP Managed Printing Administration - Mozilla Firefox			
IP Managed Printing Administration			
Home	Edit an existing MPL		
Managed Printer Lists Create a new list Gift an existing list	Select an MPL Name: Follow/Me MPL Next >>		
<ul> <li>Colt an existing list</li> <li>Associate with a policy</li> </ul>			
<ul> <li>Duplicate an existing list</li> <li>Manage MPL view</li> </ul>			
<ul> <li>Manage virtual printers</li> <li>Remove an existing list</li> </ul>			
Managod Print Policies			

- 7) Click Manual Printer Entry
  - a. Enter details for the FollowMe print queue
  - b. Enter Printer Name
  - c. Address: IP Address of the FollowMe Server
  - d. Choose "use device configuration from a Virtual Printer"
  - e. Select the Virtual Printer created previously
  - f. Click Apply

M HP Manage	d Printing Admi	nistration	
🥠 III IIIanage		instrution	
Home	Edit an existing MPL » Follow	Me MPL » Printers	
🖻 Managed Printer Lists	MPL printers		
Create a new list			
<ul> <li>Edit an existing list</li> </ul>	Select one or more printers in the listbox to view/edit printer attributes in the controls below. Changes to printer attributes are <b>not saved</b> to the database until the [Done »] button is pressed.		
Associate with a policy     Duplicate an existing list			
Manage MPL view		Auto printer discovery Manual printer entry Remove printer(s)	
<ul> <li>Manage virtual printers</li> </ul>	Printers:	×	
<ul> <li>Remove an existing list</li> </ul>	(0 total)		
• Managed Print Policies			
🗄 User Groups			
€ Help			
How to			
<ul> <li>Edit an MPL</li> </ul>		V	
Remove printers from an	Printer name:	FollowMe	
WPL.	Address:	195.149.25.152 Query device	
		Replace address with resolved hostname on overv	
	Model name:	FollowMe	
	Physical location:	Virtual FollowMe Queue	
	Comments:		
		Duplex unit installed Hard disk installed	
	Printer group:	(None)	
		New printer group:	
	Cost per page:	,	
		Disable color printing	
		Validate when printing Secure print path	
	Configuration:	Use the device configuration from a virtual printer	
		Alternate address:	
		Virtual printer: HP LaserJet M5035 MFP(195.149.25.	
		Model name	
		HP LaserJet M5035 MFP	
		Duplex         Hard disk         Input         Output         Supported PDLs           TRAY 1         Standard Output Bin         PS: Version 3010.107           Yes         TRAY 2         PCLS: Version 0.11           PCL5: Version 5.00         PCL5: Version 5.00	
		« Hide	



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8) Confirm the printer has been added as expected.

Shtp://nt-uk-lap-6 - HP Managed Printing Administration - Mozilla Firefox		
🍈 HP Manage	d Printing Admi	MPA version sc2,80 Distration Dates VI-1.7 Detabase last updated 14/11/2007 15:28:54
Hama	Edit an existing MPL » Follow	Me MPL » Printers
Managed Printer Lists	MPL printers	
Create a new list	we list with get Select one or more printers in the listbox to view/edd printer attributes in the controls below. Changes to printer attributes are not saved to the database until the [Done +] button is pressed.	
Edit an existing list     Associate with a policy		
Duplicate an existing list		Auto adiator discourse - Manual adiator outor - Domous adiator/d
Manage MPL view     Manage wirtual printers	Distant	Auto printer discovery manual printer enuy remove printer(s)
Remove an existing list	(1 total)	rougwine Frinting
Managed Print Policies		
🗄 User Groups		
🗄 Help		
How to		
<ul> <li>Edit an MPL</li> <li>Remove printers from an</li> </ul>	Printer name:	onkevunz
MPL.	Address:	Ouery device
		Reclace address with resolved hostname on query
	Model name:	
	Physical location:	
	Conments:	
	Deinter mount	Duptex unit installed Hard disk installed
	Printer group.	New strider group:
	Cost per page:	
		Advanced »
	MPL settings	
	Direct URL:	http://nt-uk-lap-6/hpmpl/?mplid=4
	Save as XML:	http://nt-uk-lap-6/hpmpl/?mplid=4&saveAsXML=true
	Refresh rate:	Once per 24 hours
	NeL Dank	« Back Apply Done »