



**FollowMe**<sup>®</sup>

## HP Universal Print Driver (UDP) Integration Guide

Revision: 1.2  
Date: 30<sup>th</sup> October 2008

## Copyright, Disclaimer and Trademarks

---

### Copyright

Copyright 1997-2008 © Ringdale UK Ltd. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or any computer language, in any form or by any third party, without prior permission of Ringdale UK Limited.

### Disclaimer

Ringdale UK Ltd. reserves the right to revise this publication and to make changes from time to time to the contents hereof without obligation to notify any person or organisation of such revision or changes. Ringdale UK Ltd has endeavoured to ensure that the information in this publication is correct, but will not accept liability for any error or omission.

**Note:** Because of the fast pace of software development it is possible that there will be minor differences between the manual and the actual release of the program.

### Trademarks

All trademarks are hereby acknowledged.

## 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](http://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.

## Option 1: UPD - Traditional Mode

### 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 UDP before deployment).

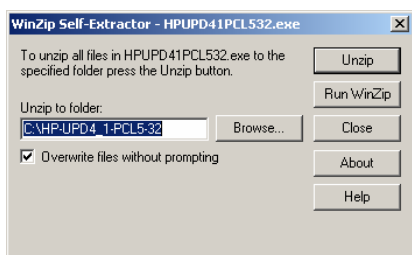
### Pre-Requisites

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

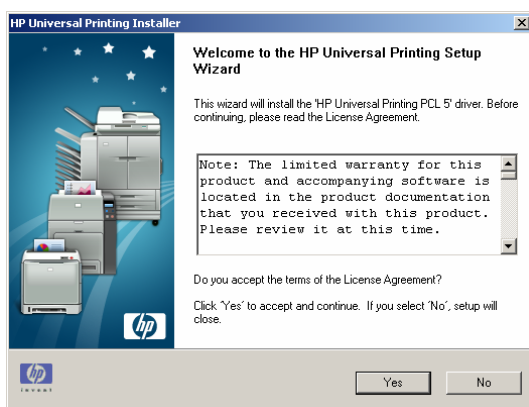
[www.hp.com/go/upd](http://www.hp.com/go/upd)

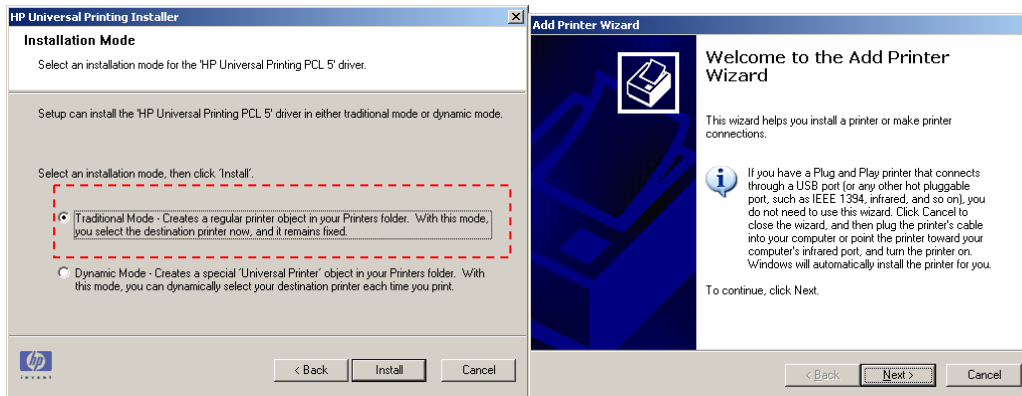
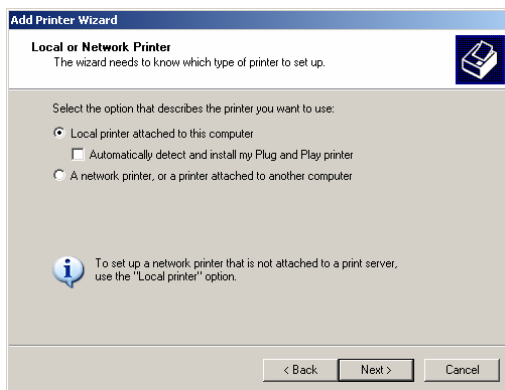
### Installation Procedure

- 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.

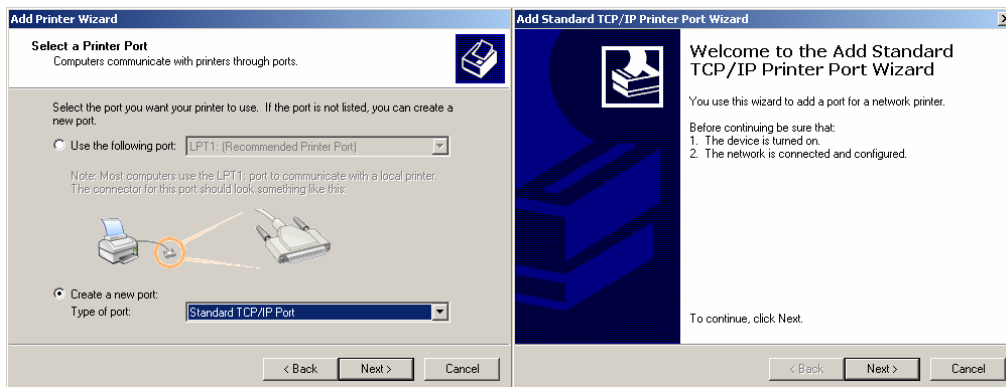


- 2) Locate and then Run the Installer (*Install.exe*) from the unzipped folder.

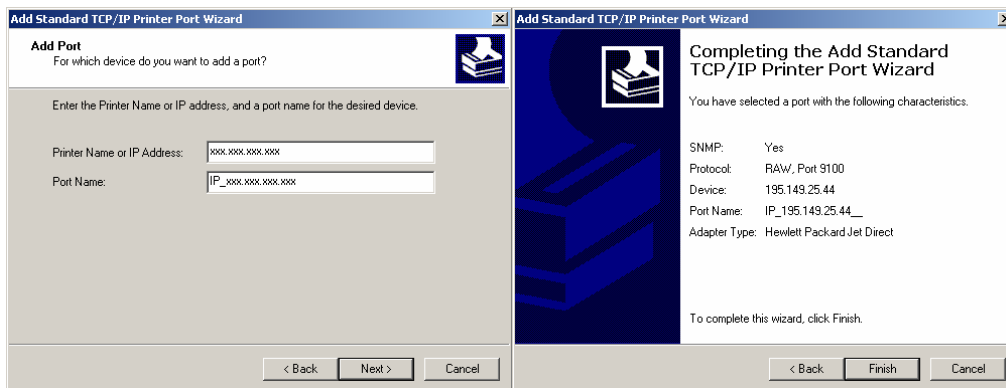


3) Choose *Traditional Mode*.4) Select *Local Printer*.

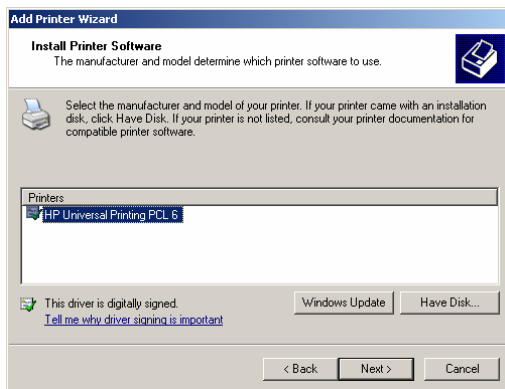
## 5) Select Create a new port, and choose Standard TCP/IP Port for port type



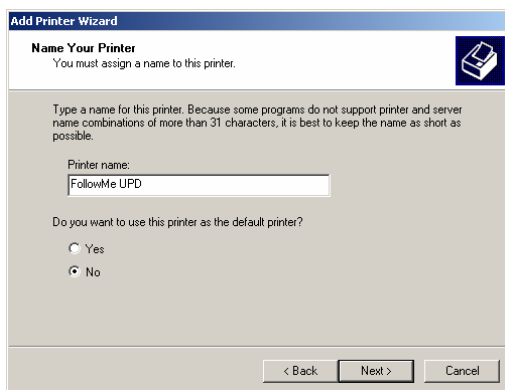
- 6) Enter the IP Address or hostname of the Printer/MFP where you would like to map the default driver settings from which later will be used as the same settings for printing directly to FollowMe.



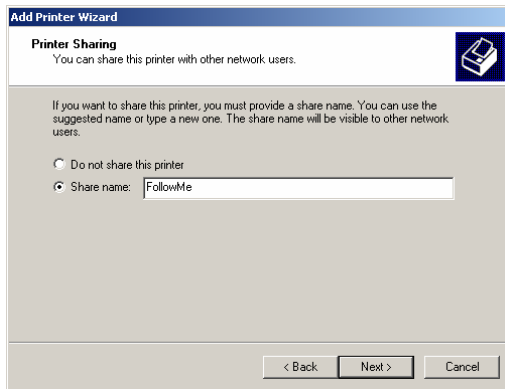
- 7) Select the HP Universal Print Driver from the driver list.



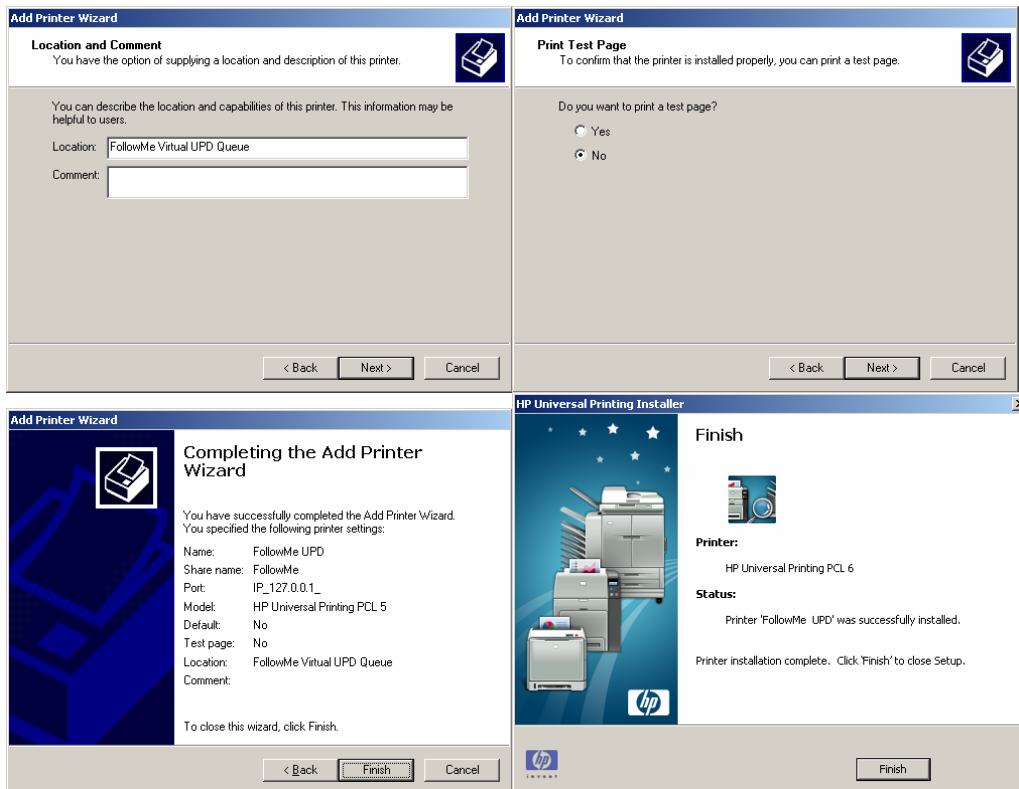
- 8) Enter the printer name you wish to use, for example *FollowMe*.



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

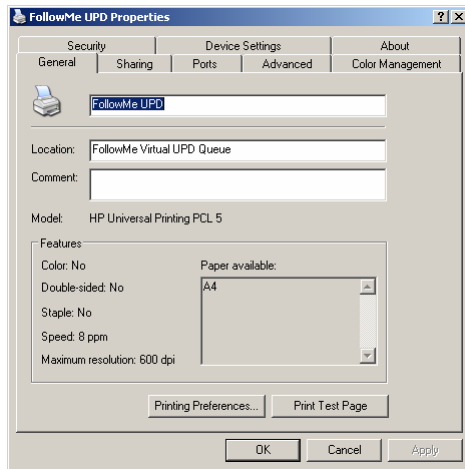


10) Enter any relevant information for the Location and Comments fields.

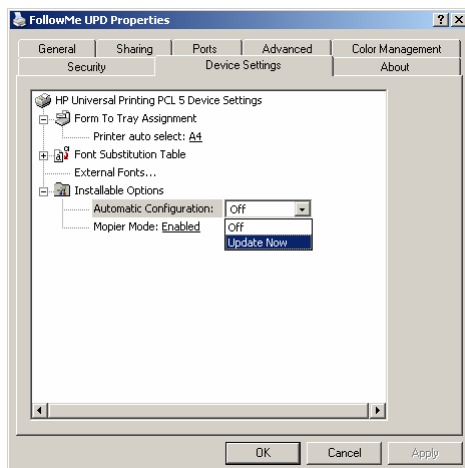


## UPD Driver Configuration

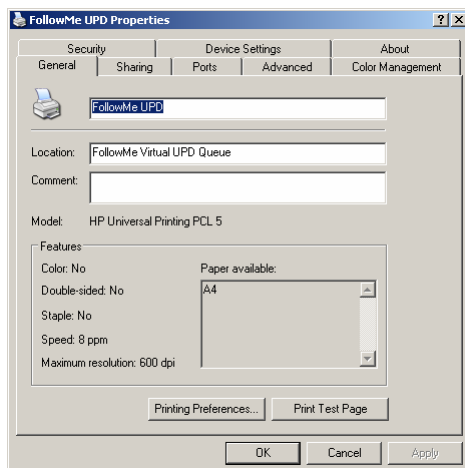
- 1) Open the Installed UPD Properties.



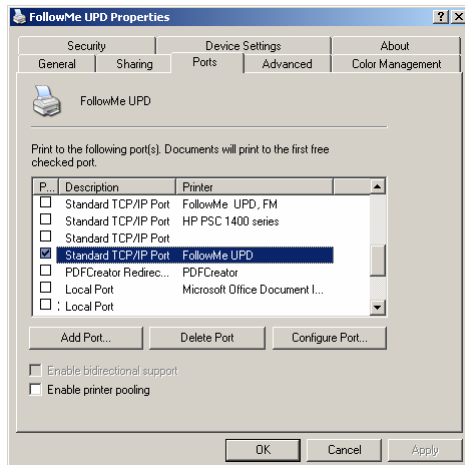
- 2) Choose *Drive Settings*, and select *Update Now* from the Installed Options/Automatic Configuration drop down list



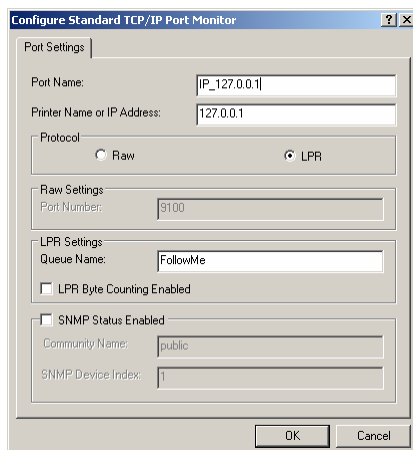
- 3) Open the Installed UPD Properties





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



## Option 2: UPD - Dynamic Mode

### 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:

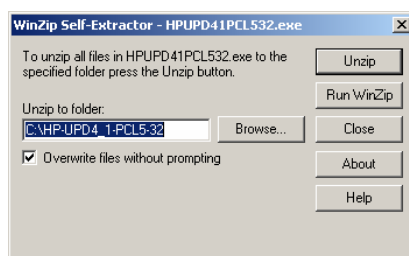
[www.hp.com/go/upd](http://www.hp.com/go/upd)

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

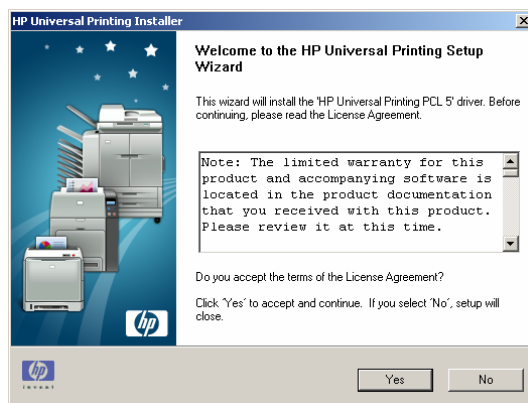
[www.hp.com/go/mpa](http://www.hp.com/go/mpa)

### Installation Procedure

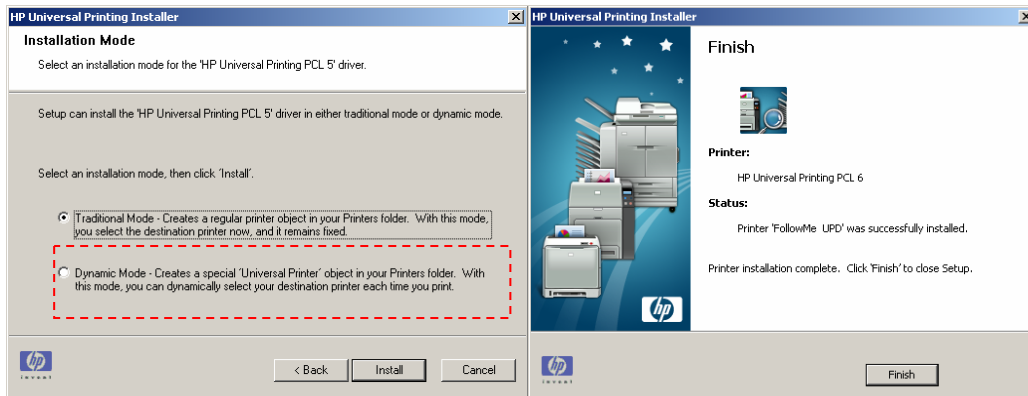
- 1) Run the UPD installation package on the designated server / Install Driver. Choose a path for the unzipped driver files and un-Zip the contents.



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

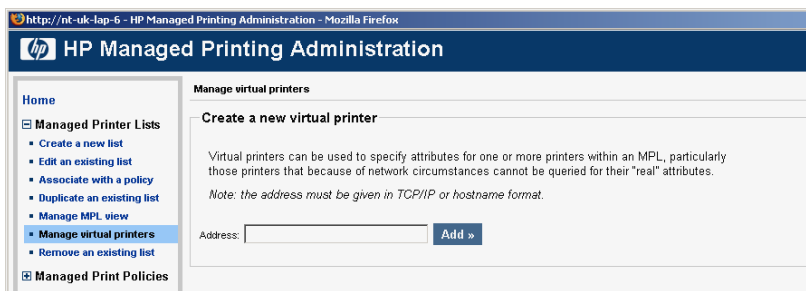


### 3) Choose *Dynamic Mode*.

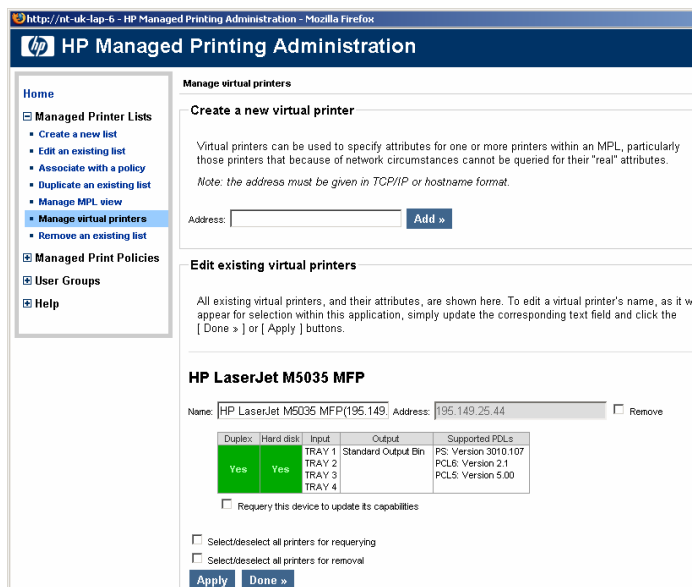


### 4) Using the MPA

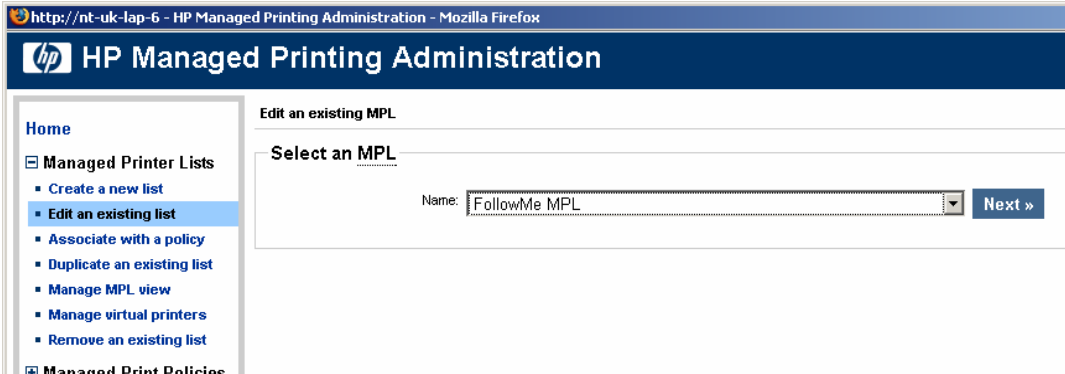
- a. Create a *Virtual Printer*
  - b. Enter the IP Address of a Printer/MFD to map the default driver settings for use with FollowMe
  - c. Click *Add*
- \* Alternatively you can use WJA to export the settings to XML



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



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



http://nt-uk-lap-6 - HP Managed Printing Administration - Mozilla Firefox

## HP Managed Printing Administration

Home

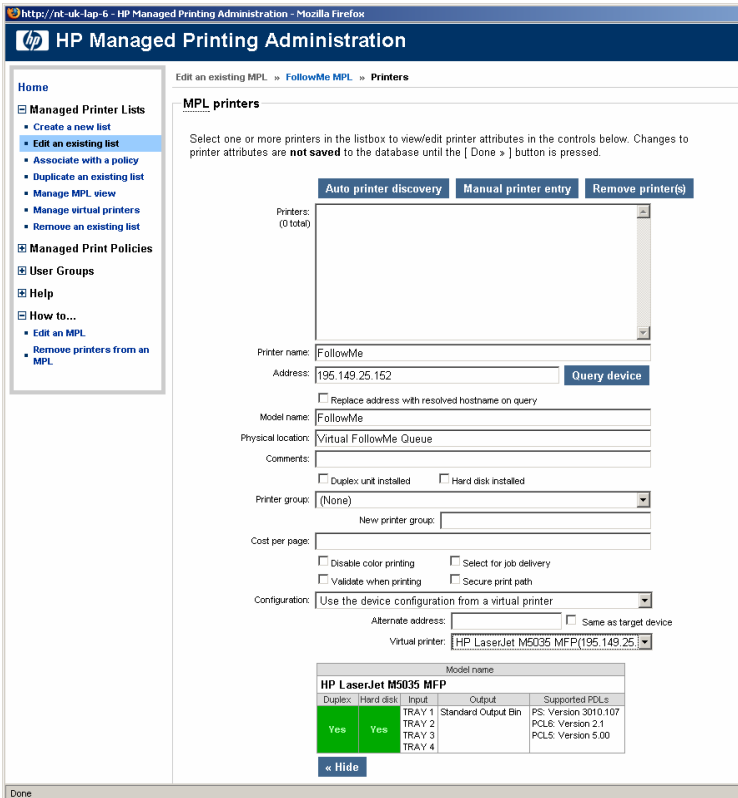
- Managed Printer Lists
  - Create a new list
  - Edit an existing list**
  - Associate with a policy
  - Duplicate an existing list
  - Manage MPL view
  - Manage virtual printers
  - Remove an existing list
- Managed Print Policies

Edit an existing MPL

Select an MPL

Name: FollowMe MPL Next >

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



http://nt-uk-lap-6 - HP Managed Printing Administration - Mozilla Firefox

## HP Managed Printing Administration

Home

- 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
- Managed Print Policies
- User Groups
- Help
  - How to...
  - Edit an MPL
  - Remove printers from an MPL

Edit an existing MPL » FollowMe MPL » Printers

### MPL printers

Select one or more printers in the listbox to view/edit printer attributes in the controls below. Changes to printer attributes are **not saved** to the database until the [ Done > ] button is pressed.

Printers: (0 total)

Printer name: FollowMe

Address: 195.149.25.152 Query device

Replace address with resolved hostname on query

Model name: FollowMe

Physical location: Virtual FollowMe Queue

Comments:

Duplex unit installed  Hard disk installed

Printer group: (None)

Cost per page:

Configuration: Use the device configuration from a virtual printer

Alternate address:  Same as target device

Virtual printer: HP LaserJet M5035 MFP(195.149.25.152)

Model name			
Duplex	Hard disk	Input	Output
Yes	Yes	TRAY 1 TRAY 2 TRAY 3 TRAY 4	Standard Output Bin PS, Version 3010.107 PCL5, Version 2.1 PCL5, Version 5.00

« Hide

Done

- 8) Confirm the printer has been added as expected.

The screenshot displays the HP Managed Printing Administration web interface in Mozilla Firefox. The browser address bar shows the URL: <http://nt-uk-lap-6-HP-Managed-Printing-Administration>. The page title is "HP Managed Printing Administration".

The interface is divided into a left-hand navigation menu and a main content area. The navigation menu includes sections for "Home", "Managed Printer Lists", "Managed Print Policies", "User Groups", and "Help". The "Managed Printer Lists" section is expanded, showing options like "Create a new list", "Edit an existing list", "Associate with a policy", "Duplicate an existing list", "Manage MPL view", "Manage virtual printers", and "Remove an existing list".

The main content area is titled "MPL printers" and shows the configuration for an existing MPL named "FollowMe MPL". The "Printers" listbox contains one entry: "FollowMe Printing". Above the listbox are buttons for "Auto printer discovery", "Manual printer entry", and "Remove printer(s)".

Below the listbox, there are input fields for "Printer name" (containing "0xkeyup"), "Address", "Model name", "Physical location", and "Comments". There are checkboxes for "Replace address with resolved hostname on query", "Duplex unit installed", and "Hard disk installed". A "Printer group" dropdown menu is set to "(None)", and there is a "New printer group" input field. A "Cost per page" field is also present. An "Advanced" button is located below these fields.

The "MPL settings" section includes a "Direct URL" field with the value <http://nt-uk-lap-6?hpmpj?mplid=4>, a "Save as XML" field with the value <http://nt-uk-lap-6?hpmpj?mplid=4&saveAsXML=true>, a "Refresh rate" dropdown menu set to "Once per 24 hours", and an "MPL name" dropdown menu set to "FollowMe MPL". "Back", "Apply", and "Done" buttons are located at the bottom of this section.