



# Server Edition Administrator's Guide

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## Introduction

This document covers FinePrint, pdfFactory, and pdfFactory Pro Server Editions (SE). Installing SE on a Windows server provides easy deployment and configuration for multiple users on any Windows client, including Citrix/Terminal Server clients and laptops.

## System Requirements

SE server requirements:

- Windows 2000 Server, Windows Server 2003, Windows Server 2008
- Microsoft Networking with printer sharing
- Terminal Server and Citrix MetaFrame are fully supported in both desktop and single application sessions

SE client requirements:

- 2000, XP, Vista, 7
- Microsoft Networking with printer sharing

## Installation - Server

To install SE on a server:

- download the SE executable file from [www.fineprint.com](http://www.fineprint.com) to your Windows server
- launch the executable file to begin the installation. Admin access to the server is required.

Note: when installing SE in a Citrix or Terminal Server environment, it is not necessary to put the Terminal Server into INSTALL mode. The SE installer will do it automatically if required.

Installing SE on a server does the following:

- installs the SE printer on the server and creates a printer share which clients can access
- installs the full product for use on the server itself

To install on multiple servers:

- Install on each server
- On any one of the servers, access the Licensing tab and click Configure. Type the server names where SE is installed. Doing so allows a user to connect to any of the servers using a single license. A single license database will be created on this server and will be shared among the servers listed.

## Installation - Client

Once SE is installed on the server, clients may install the SE printer using the Add Printer Wizard on the client computer. Terminal Server clients will automatically be able to use the SE printer, since they will inherit the SE printer from the server itself. The command line can also be used for installation:

```
FinePrint 6: rundll32 printui.dll,PrintUIEntry /in /n\\SERVER\fineprt6  
pdfFactory 3: rundll32 printui.dll,PrintUIEntry /in /n\\SERVER\pdffact3  
pdfFactory 4: rundll32 printui.dll,PrintUIEntry /in /n\\SERVER\pdffact4
```

## Installation - Laptop

An SE client installation can be converted to a standalone version that does not require a network connection to operate. To convert an installed SE product from network to local, open the Settings tab on the client and select the “Create New Printer” button. The new printer that is created will be a local printer that does not require network access. To complete the operation, you should delete the old printer (the network connection to the server’s shared printer).

Note: you must have administrative privileges on the client in order to do the “Create New Printer” operation.

## License Management

SE provides license management and monitoring to ensure compliance with internal standards. The Licensing tab contains the license management tools and is accessible to any logged in user with administrative privileges.

The license management tools are accessed from the Licensing tab, as follows:

- open the Printers folder on the server
- right-click on the SE printer and select Printing Preferences

The Licensing tab is accessible from the client workstation administrative privileges by holding down the Ctrl key and selecting the Printing Preferences in the Printers folder.

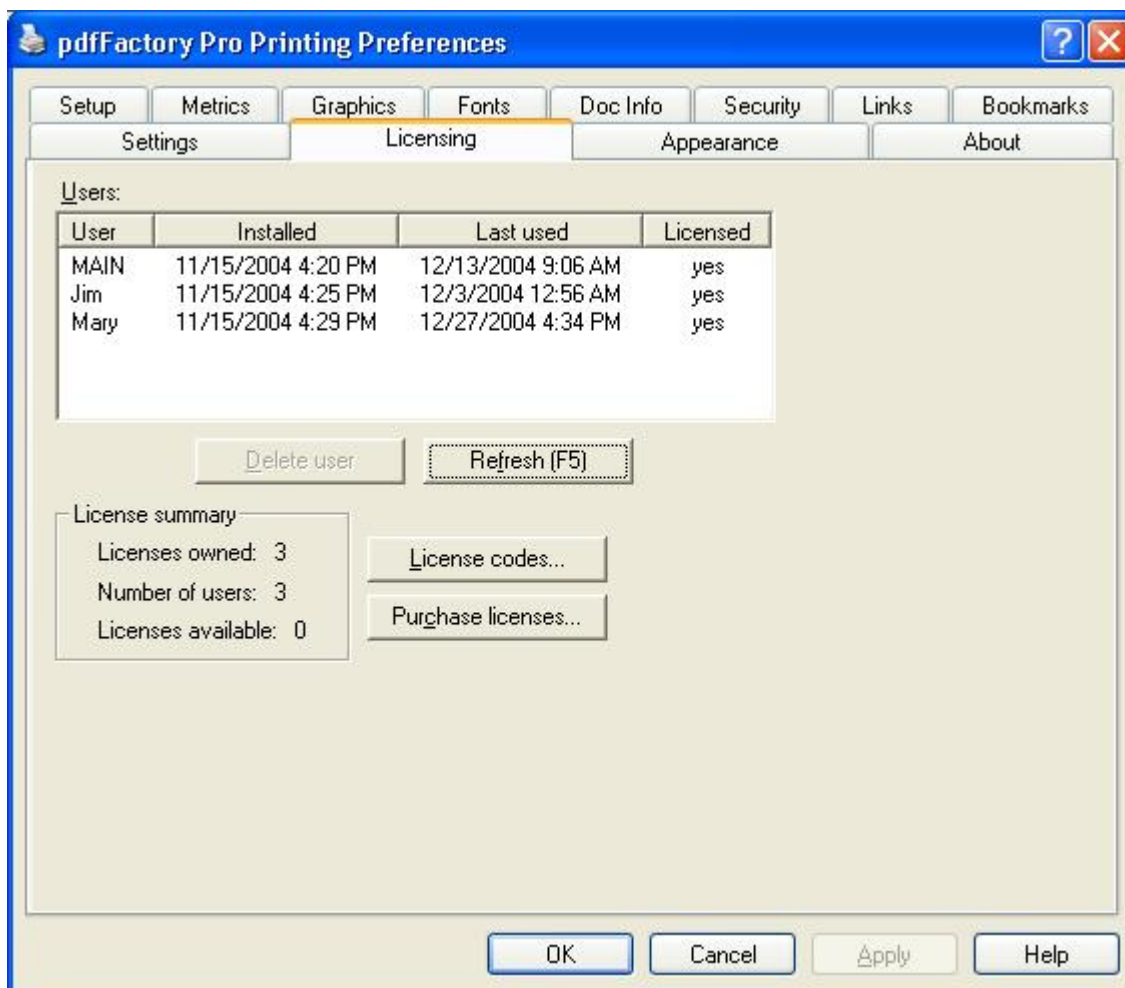


Figure 1 : Licensing tab. Enter license codes and monitor product usage here. Also provides a history of all license codes entered.

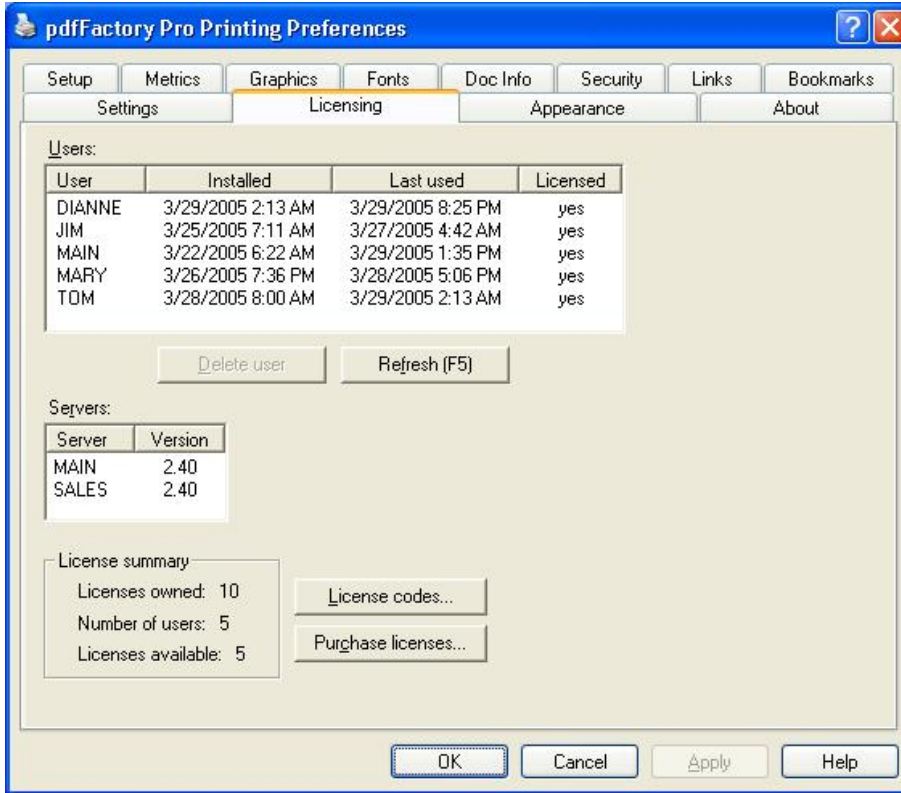


Figure 2: Licensing tab showing multiple servers with SE installed.

## Entering License Codes

When you purchase SE, you will receive a license code which you must enter into the product on the Licensing tab. Once you have entered the code, the server will allocate client licenses as needed to existing clients and to any new clients installed. Licenses are allocated when a client computer prints to its SE printer. If there are more clients using SE than there are purchased licenses, the extra clients will remain trial versions until additional licenses are purchased. You can find more details on the Licensing tab by accessing the Help file using the Help button as shown in Figure 1.

To enter the license code, click the “License codes” button on the Licensing tab and enter the code.

SE allocates its licenses based on the user name of the logged in user. This applies equally for both Terminal Server and standard remote workstations. A single license is allocated to a user that uses the shared printer or accesses any number of terminal servers so that licenses are used efficiently.

## Recovering Licenses

Allocated licenses are recovered and returned to the available pool in either the following ways:

- SE client is uninstalled (requires admin privileges)
- A user is deleted using the “Delete user” button

## Settings Propagation to Clients

Changing SE settings in the Printing Preferences dialog on the server will cause corresponding changes on the client computers. Examples include:

- pdfFactory security settings
- pdfFactory directories for saving PDFs
- FinePrint/pdfFactory Pro letterheads
- FinePrint/pdfFactory Pro stamps

When you click OK on the Printing Preferences dialog, you will be asked if you want the settings to be applied to just the server or to all the clients as well.

## User Interface Customization

User interface customization is done by right-clicking the Layout tab and selecting “Customize”. Other customization options are available in the Appearance tab in the Settings dialog box.

## Removing the Program Group

By default, SE installs a program group in the Start menu on the client. In some cases, this is undesirable. The Settings dialog box on the server has an Appearance tab which has an item for removing the program group.

## SETUP.EXE Options

The SE setup program supports multiple command line options including silent installation and un-installation. In order to access these options, run SETUP.EXE and not the downloaded self-extracting archive. You can use Winzip or other ZIP tool to expand the self-extracting archive into its component files.

Setup command line options:

/install	installs SE (the default)
/uninstall	removes SE
/quiet=nnn	suppresses some output during installation. can be any combination of the following values:
1	to suppress the opening confirmation dialog
2	to suppress the progress bar
4	to suppress the closing message box
8	to suppress the license agreement
16	to suppress the "must reboot" message box (default to Yes)

For example, to suppress the progress bar and the license agreement, you would specify /quiet=10 (2 for the progress bar plus 8 for the license agreement).

/quiet	suppresses ALL output during installation or uninstallation
/autodelete	[installation only] tells the installer to delete the source directory after installation has completed

WARNING: this deletes the ENTIRE directory, not just files used in SE installation. You should use a temp folder or a folder specially created for this purpose.

`/inf` does not actually install or uninstall; generates INF files for Add Printer Wizard setup on the current platform

`/netreinstall=directory_name` updates an SE client by running the installer in the specified location. The directory name is typically specified as a UNC path name, e.g. `\\SERVER\print$\w32x86\3`. If the directory name is omitted (i.e. just `/netreinstall` is specified, then the installer attempts to determine the correct location by examining the user's connections to shared SE printers.

`/nodisp` [installation only] prevents the installer from launching the dispatcher when setup is complete

`/noini` [installation only] prevents the installer from importing old settings from a previously saved INI file

[uninstallation only] prevents the installer from saving current settings to an INI file for a subsequent installer to import

`/reboot=nnn` controls the reboot initiated by the installer or uninstaller. Can be one of the following values:

0 suppresses a reboot. This does not prevent the need for rebooting the machine; it simply tells the installer/uninstaller not to prompt the user to reboot. If you use this option, you are responsible for rebooting the machine.

1 forces a reboot. If the 16 value is specified in the `/quiet` option, then the machine will be rebooted without any prior warning; otherwise the user will be prompted to reboot.

`/reboot` same as `/reboot=1`

`/safe=nnn` updates an existing version by performing a "safe" reinstallation. Can be one of the following values:

1 for a standard safe reinstallation; just updates all relevant files. This assumes that the version being installed has the exact same fileset as the version

being replaced (i.e. no files were added or deleted). If any files are in use and cannot be updated, the user will be prompted to reboot the machine and the files will be updated at the next reboot.

- 2 for a full fail-safe reinstallation. Uninstalls the existing version, reboots the machine, and installs the new version. Preserves user settings.

/safe same as /safe=1

## Registry And File Usage

SE creates the following registry keys on both the server and client machines:

HKLM\Software\Microsoft\Windows\CurrentVersion\AppPaths  
HKLM\Software\Microsoft\Windows\CurrentVersion\Run  
used by the SE Dispatcher

HKLM\Software\Microsoft\Windows\CurrentVersion\Uninstall  
used by Control Panel Add/Remove Programs

HKLM\Software\FinePrint Software\<<product name>  
global SE settings which affect all users

HKCU\Software\FinePrint Software\<<product name>  
HKU\xxx\Software\FinePrint Software\<<product name>  
user-specific SE settings

## Program And Data Files

On a 2000/XP/Vista/7 client, program files are located in  
  \windows\SYSTEM32  
  \windows\SYSTEM32\SPOOL\DRIVERS\W32X86\3  
  \windows\SYSTEM32\SPOOL\DRIVERS\x64\3

On a 2000/XP/Vista server, program files are located in  
  \windows\SYSTEM32  
  \windows\SYSTEM32\SPOOL\DRIVERS\W32X86\3  
  \winodws\SYSTEM32\SPOOL\DRIVERS\WIN40\0

License server file is in C:\windows\system32\Fp\*.ini

TEMP files are stored in the TEMP directory as defined in Windows system properties. SE TEMP files are deleted when they are no longer used.

## Contacting Us

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