

# Server Edition Administrator's Guide

## Entering the license code

From an admin session on the server, open the Printers folder and access the Printing Preferences for the installed product. The license code can be entered into the Licensing tab.

## 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 with administrative privileges by holding down the Ctrl key and selecting the Printing Preferences in the Printers folder.

## Licensing model

A license must be purchased for each user that accesses Server Edition (SE) through the network. The licensing is not concurrent. A single user may access SE installed on multiple servers with a single SE license. Do not purchase a server license for the server and workstation licenses for workstations.

Examples:

1. if 8 different users (defined by unique usernames) will access SE on the network, purchase 8 server edition licenses regardless of whether the 8 users will access SE at different times or concurrently.
2. if you have 20 users on your network but only 8 of them will use SE, purchase 8 server edition licenses.
3. if you have 8 terminal server/citrix users using a single or multiple servers, purchase 8 server edition licenses.

# System requirements

## 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

## Client requirements:

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

# Server installation details

## To install on a server:

1. download the SE executable file to your Windows server
2. launch the executable file to begin the installation. Admin access to the server is required.

Note: when installing 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.

# Client installation details

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 4: rundll32 printui.dll,PrintUIEntry /in /n\\SERVER\pdffact4

## Interactive Services Detection problem

Running a local copy of pdfFactory or FinePrint from a Citrix/terminal server session can trigger the interactive services detection dialog box to appear. This is caused by the starting of the dispatcher process we use to complete the printing process. To fix the issue, the dispatcher must be running on the client workstation/Citrix server session at the time of the print request. So if you get a Prepare Dispatcher error, run the MakeDispatcherResident batch file (ignore any warnings) available at:

<http://www.softwarelabs.com/fp/MakeDispatcherResident.bat>

Running the batch file will set the dispatcher to stay resident. You only need to do this once, so you can delete it after it runs.

## Laptop installation

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 menu on the client and select the “Create New Printer” menu item. 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: On Windows XP clients, you must have administrative privileges on the client in order to do the “Create New Printer” operation. Admin access is not necessary for Windows 7 clients.

## Setup on multiple servers

Do the following:

1. Install SE on all servers.
2. On any of the servers upon which SE is installed, access the Licensing tab in the Printing Preferences in the Windows Printers folder.

3. Click Configure and then click “other servers running...” and enter the server names in the listbox. The location of the license server will then propagate to all listed servers.

## 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

## Program and data file directory locations

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 2003, 2008, or Vista server, program files are located in:

- § \windows\SYSTEM32
- § \windows\SYSTEM32\SPOOL\DRIVERS\W32X86\3

Letterhead and stamp files are in either:

- § \windows\SYSTEM32\SPOOL\DRIVERS\W32X86\fp\*forms\*
- § \windows\SYSTEM32\SPOOL\DRIVERS\x64\3\fp\*forms\*

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

TEMP files are stored in the TEMP directory as defined in Windows system properties.

# Command line installation

In cases where automated installation is required such as MSI scripts or other batch tools, it is possible to use the setup.exe program instead of the normal interactive installer.

To access the setup.exe program, unzip the downloaded executable to a new directory and run setup.exe with the following 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 (silent install)

**/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**

## User interface customization

In FinePrint SE, the Layout tab can be customized by right-clicking and selecting “Customize”. Other customization options are available in the Appearance tab in the Settings dialog box.

## Registry 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