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Notes on Running Print Wizard Server Edition on a File Server or Terminal Server

The notes below are general guidelines describing Print Wizard Server Edition. These notes are simply that, notes to help you decide how to best utilize Print Wizard Server Edition in your own environment.

These notes apply to both Windows File Servers and Windows Terminal Server editions as well as Citrix and other network configured servers. Again, what we are trying to describe is how Print Wizard Server Edition behaves so that you can adapt them to your particular site's needs.

These notes do not cover how to run Print Wizard, only what may be required for use. For more information on how to use Print Wizard, refer to the Print Wizard documentation on various features and the Print Wizard manual. You can also see multiple examples through the "sampledialog" program.

Files necessary for Print Wizard to run

Print Wizard interacts with any available Windows printer as well as those that are directly connected through a serial or parallel connection. Print Wizard includes several files that are necessary for various functionality to take place. An additional file may be required in a network environment where you want to share a multi-user license. This is the serial license file.

Default files

Print Wizard is a series of printing utilities and tools, centered around the main program, *printwiz.exe*. Below is a list of the files that are installed by the Print Wizard Server Edition installation program:

<i>printwiz.exe</i>	Main Print Wizard executable
<i>mapisend.exe</i>	Used for sending email over MAPI (Outlook) protocol
<i>mapisend.pdf</i>	Documentation on using "mapisend"
<i>netprint.aix</i>	A version of netprint for use on AIX
<i>netprint.linux</i>	A version of netprint for use on Linux
<i>netprint.sco505</i>	A version of netprint for SCO Unix version 5
<i>printwiz.pdf</i>	User manual for Print Wizard
<i>printwiz.prt</i>	A printer description file for FilePro
<i>printwzc.prt</i>	A color printer description file for FilePro
<i>pwdll.dll</i>	A callable DLL for developers
<i>pwlpd.exe</i>	An LPD server for Windows
<i>pwlpd.pdf</i>	Documentation on using "pwlpd"
<i>readme.txt</i>	Information and change history on Print Wizard
<i>sampledialog.exe</i>	A program demonstrating Print Wizard capabilities
<i>whatsnew.txt</i>	A list of what's new in the latest release of Print Wizard
<i>winfaxpw.pdf</i>	Documentation on using Print Wizard with WinFax Pro
<i>pwui.exe</i>	User interface for Print Wizard (version 3.0 or later)
<i>svcdespool.exe</i>	Windows despooler service (version 3.0 or later)
<i>svclisten.exe</i>	Windows listen service (version 3.0 or later)
<i>svclpd.exe</i>	Windows LPD service (version 3.0 or later)

Shortcuts

When you install Print Wizard Server Edition, four important shortcuts are installed under the Windows Start : Program : Print Wizard folder. These include:

Print Wizard Sampler

A sampling of examples showing how Print Wizard works and what its capabilities are. This is an ideal starting place for understanding how to use Print Wizard as a command-line driven print processor.

Print Wizard – Listen Mode

This starts a version of Print Wizard in “listen” mode, a service that watches for print jobs on a specific TCP/IP (network) port. This example watches port 9100, the standard H/P JetDirect® port.

Print Wizard – Despool Mode

This starts a version of Print Wizard in “despool” mode, a service whereby Print Wizard watches a specific directory for any wildcard files, printing them as they are released by the creating application. The directory watched for is {printwiz install directory}\DESPOOL and all files are watched for (*.*)).

PWLPD

This starts the PWLPD program which follows the standard LPD/LPR protocol Used by both Windows and UNIX/Linux host systems for remote printing capabilities. It listens on a port for print jobs, and prints them through Print Wizard (or through other applications as they are received (see the PWLPD Documentation for more information).

Other optional files

Several other optional files may also be present, depending again on your specific site needs.

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| Init Files | Print Wizard jobs can reference a printer initialization file, defining default settings for the printer to use for a specific job. |
| Overlay Files | Print Wizard can include an overlay file consisting of a graphics file to overlay with printed data, such as printing data on a preprinted form. |
| Profile files | A pre-defined print profile, defining numerous printing options specific for a print job (version 3.0 or later). |
| PrintWiz.ini | Global defaults file for PrintWiz and components (includes object names). Print Wizard's default settings can be overridden by this pre-defined “ini” file containing various defaults (refer to the documentation (version 3.0 or later). |
| Printwiz.profile | A global profile file to override default profile settings that are specific to a print job (version 3.0 or later). |
| Printwiz.log | The default log file containing debug information and logged messages (created when requested only, version 3.0 or later). |
| Pwui.job | When the Windows user interface fires off a Print Wizard job, it first saves all parameters as this file and passes them to printwiz as /profile=<> (version 3.0 or later). |

.<ext>.profile	If there is no profile specified and if the UseExtProfile option is set to true, and this file exists for the extension of the file to print, and "Smart Printing" is turned on, this profile is used (version 3.0 or later).
<name>.profile	A user-defined profile file containing the settings to be used (version 3.0 or later).
Service files	There can be three "service" files used by Print Wizard to determine how to run specific services. The three files are
PwDespool.ini	The service file for Print Wizard and Win32 "despool" services (program name is SvcDespool.exe, version 3.0 or later)
PwListen.ini	The service file for Print Wizard and Win32 "listen" services (program name is SvcListen.exe, version 3.0 or later)
PwLpd.ini	The service file for Print Wizard and Win32 "lpd" services (program name is SvcLpd.exe, version 3.0 or later)

Server Setup Issues

Default file access

Who needs access to what is the question here. Most often Print Wizard and the various service and support files are not accessed directly, but ran through program calls or from within a script. The exception to this may be PWLPD application and the PWUI applications (available in version 3.0 or later).

Only those files that are required by the user should be granted access. In this case, if you are installing these files on a file server, we recommend marking them as "read-only". Look over the list of files and determine what each user needs access to.

Default ports

If you are running PWLPD or Print Wizard in "listen" mode, it may be necessary to allow specific network (TCP/IP) ports be allowed access by the specific user. Check with your Windows XP or network administrator and the firewall settings that are in place.

Shared file access

If you are running Print Wizard in "despoil" mode, be sure to allow Print Wizard proper access to the despoil directory and to allow the removal of files as they are processed. In order to prevent Print Wizard from looping on a print job, it does need to delete the file and hence must have the proper access to do so.

This is also true for certain other functions, such as PWLPD and MapiSend. Also note that many features of Print Wizard need to create intermediate work files in the "temporary" Windows location. So access to this may also be necessary.

Deployment

It is possible to only deploy specific files that a user will use. Be careful to include all files necessary for the features a specific user may utilize. Many features may require more than just the executable.

The license file is optional and may or may not be needed. If you do not wish to distribute a license file, Print Wizard and associated programs, will look in the current Windows directory for the logged in user. See the notes below for information on this file.

Serial Number and Activation Code

Print Wizard Server Edition license information is normally carried in the Windows registry entry for each Windows installation. However, in the case of a network file or terminal server, we have a mechanism for getting around having to install the license information each time.

First create a blank file in the current Print Wizard directory called "ser.ini" (this file can be created with Notepad). Then bring up Print Wizard and when it asks if you would like to enter a license code, answer 'Yes' and fill in the form. If a "ser.ini" file is found, the information will be encoded and written to this file, rather than to the Windows Registry.

When a shortcut then runs the executable program or one of its support programs from that directory, it should see the ser.ini file and not look in the Windows registry. On most Windows systems you should be able to also mark this file as "read-only" to prevent someone from overwriting or removing it.

This license file, "ser.ini", could then be deployed if you are doing a file server install script, saving you from having to enter license information on each machine individually.

Conclusion and More Information

Always check our web site and our Support documentation for additional information. This should help get you started with network installations. If there are any questions, please contact us at rsi@anzio.com.