Win2PDF
User Guide

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Win2PDF

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Foreword

Make everything as simple as possible, but not simpler.
- Albert Einstein

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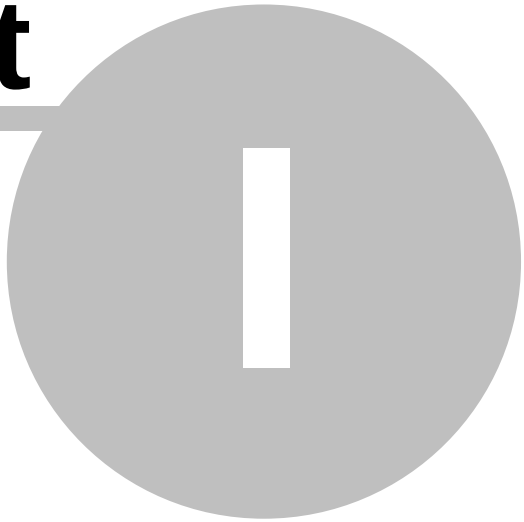
Part



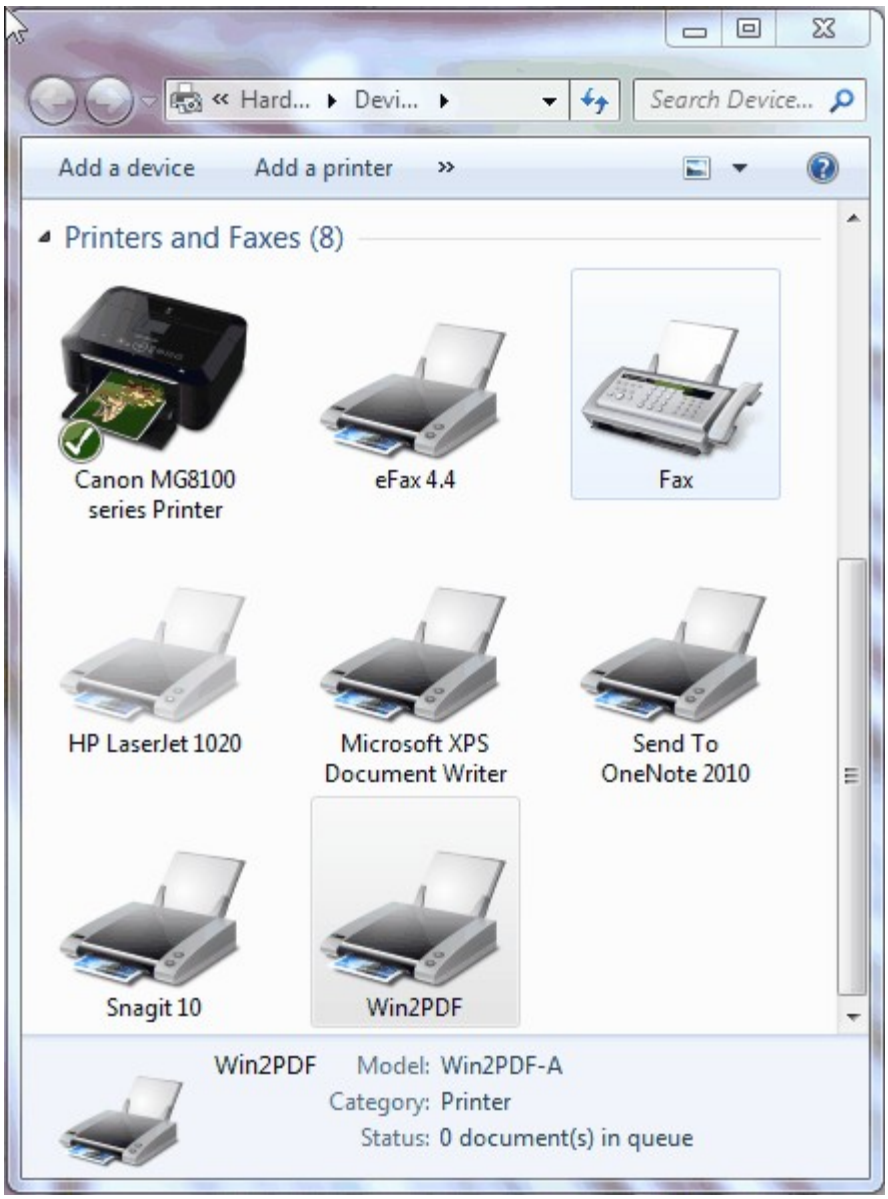
1 Installing Win2PDF

1.1 Win2PDF and Win2PDF Pro

If you are using a PC with the Windows 8 operating system, please visit our help topic on "How to install Win2PDF with Windows 8".

If you are using a computer with any other supported operating system, please use the following instructions to install your copy of Win2PDF.

To install Win2PDF, download and run the Win2PDF setup program. After you run the setup program, you will have a new printer in the printers folder named "**Win2PDF**".



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If you are evaluating Win2PDF, you can start creating PDF documents immediately. The evaluation version is fully functional, but every document will have an extra trailer page with Win2PDF product information. Also, a registration reminder dialog will occasionally display.

The Win2PDF Pro install program can only be downloaded after you purchase the product. If you already have Win2PDF evaluation version installed, you do not need to uninstall Win2PDF before running the Win2PDF Pro install program.

If you have purchased Win2PDF, you can enter your license code by following the instructions in "Entering the Win2PDF license code".

1.2 Win2PDF Terminal Server Edition and Win2PDF Pro Terminal Server Edition

To ensure that Win2PDF is installed for multi session use, the Win2PDF install program should be run from the control panel "Add/Remove Programs". Log in as an administrator and open "**Add/Remove Programs**", and select on the "**Add New Programs**" icon, and click on the "CD or floppy" button.

The Add New Programs wizard will ask you to insert the installation floppy or CD. You can ignore this step and click "**Next**". On the next dialog, click the "**Browse**" button and select the Win2PDF install program. After the Win2PDF install has completed, click "**Finish**" to close the Add New Programs wizard. Once Win2PDF is installed, it will be available to all local users and all terminal server users.

If you are evaluating Win2PDF, you can start creating PDF documents immediately. The evaluation version is fully functional, but every PDF document will have an extra trailer page with Win2PDF product information.

If you have purchased Win2PDF, you can enter your registration code by following the instructions in "Entering the Win2PDF license code".

1.3 Deploying Win2PDF

If you are deploying Win2PDF to a large number of computers (50+), Dane Prairie Systems can create a customized version of the Win2PDF install program that will automatically enter license codes and company information for each installed copy of Win2PDF. There are also silent install flags available for the deployment, which are documented below.

The following command line options are supported by the Win2PDF setup program:

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/SILENT, /VERYSILENT
Instructs Setup to be silent or very silent. When Setup is silent the wizard and the background window are not displayed but the installation progress window is. When a setup is very silent this installation progress window is not displayed. Everything else is normal so for example error messages during installation are displayed and the startup prompt is (if you haven't disabled it with the '/SP-' command line option explained above)
If a restart is necessary and the '/NORESTART' command isn't used (see below) and Setup is silent, it will display a "Reboot now?" message box. If it's very silent it will reboot without asking.

/NORESTART
Instructs Setup not to reboot even if it's necessary.

If you invoke the install with the following command line, it will bypass all user intervention, hide the progress bar, and it will not reboot even if necessary.

```
w2pdf.exe /VERYSILENT /NORESTART
```

The Win2PDF install only has to reboot if you are upgrading a previous installation of Win2PDF.

/SUPPRESSWARNINGS=nowarnings
Instructs Setup to suppress Win2PDF specific warnings that can occur when installing on terminal servers, such as the following message:
"Server operating system detected. If you decide to purchase Win2PDF and intend on using the product in a multi user server based application, you must purchase a server license of Win2PDF."

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/SUPPRESSMSGBOXES
Instructs Setup to suppress message boxes. Only has an effect when combined with '/SILENT' and '/VERYSILENT'.

The default response in situations where there's a choice is:
-Yes in a 'Keep newer file?' situation.
-No in a 'File exists, confirm overwrite.' situation.
-Abort in Abort/Retry situations.
-Cancel in Retry/Cancel situations.
-Yes (=continue) in a DiskSpaceWarning/DirExists/DirDoesntExist/NoUninstallWarning/ExitSetupMessage/ConfirmUninstall situation.
-Yes (=restart) in a FinishedRestartMessage/UninstalledAndNeedsRestart situation.

5 message boxes are not suppressible:
-The About Setup message box.
-The Exit Setup? message box.
-The FileNotInDir2 message box displayed when Setup requires a new disk to be inserted and the disk was not found.
-Any (error) message box displayed before Setup (or Uninstall) could read the command line parameters.
-Any message box displayed by [Code] support function MsgBox.

/LOG
Causes Setup to create a log file in the user's TEMP directory detailing file installation and [Run] actions taken during the installation process. This can be a helpful debugging aid. For example, if you suspect a file isn't being replaced when you believe it should be (or vice versa), the log file will tell you if the file was really skipped, and why.

The log file is created with a unique name based on the current date. (It will not overwrite or append to existing files.)

The information contained in the log file is technical in nature and therefore not intended to be understandable by end users. Nor is it designed to be machine-parseable; the format of the file is subject to change without notice.

/LOG="filename"
Same as /LOG, except it allows you to specify a fixed path/filename to use for the log file. If a file with the specified name already exists it will be overwritten. If the file cannot be created, Setup will abort with an error message.

/NOCANCEL
Prevents the user from canceling during the installation process, by disabling the Cancel button and ignoring clicks on the close button. Useful along with '/SILENT' or '/VERYSILENT'.

1.4 Updating Win2PDF

If you purchased a license of Win2PDF after September 2009 and have a 20-character alphanumeric license code, you can download and install the latest version of Win2PDF 7 for free at:

http://www.win2pdf.com/download/download.htm

It is not necessary to uninstall Win2PDF before running the new setup program.

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Win2PDF Pro users should use the "Win2PDF Pro Service Pack" download.

If you purchased a license of Win2PDF before October 2009 and have a 16-digit number license code, you can upgrade to Win2PDF 3.5 for free. The Win2PDF 3.5 download is available at:

http://www.win2pdf.com/support/updates.htm

To upgrade to Win2PDF 7, there is a one-time upgrade fee. Win2PDF 7 fully supports the Windows 7, and it includes additional file save formats, including PDF/A, TIFF, and Microsoft's XPS file formats. For more information on Win2PDF 7, please visit the Win2PDF 7 product page.

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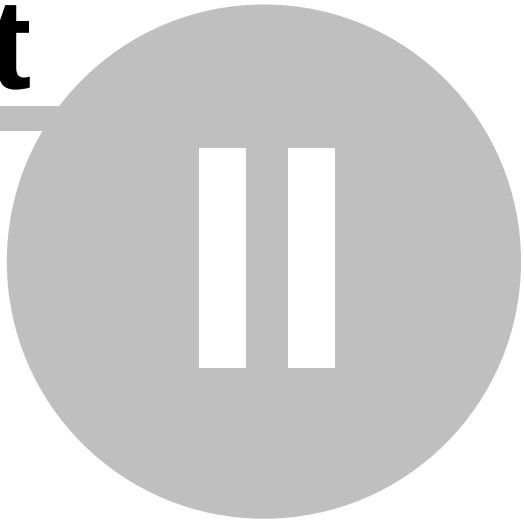
Part



2 Using Win2PDF

2.1 Creating a PDF, XPS, TIFF, or SVG File

The Win2PDF installation creates a printer in the printers folder named Win2PDF. Here is a YouTube video that shows a brief introduction to Win2PDF.

How to create a PDF file with Win2PDF - An Overview

To create a PDF document:

- Open a document from a Windows application (MS-Word, Excel, Internet Explorer, etc.)
- Print the document as you normally do but select the Win2PDF printer
- You will be prompted to enter the name of the document, as shown on this screen:

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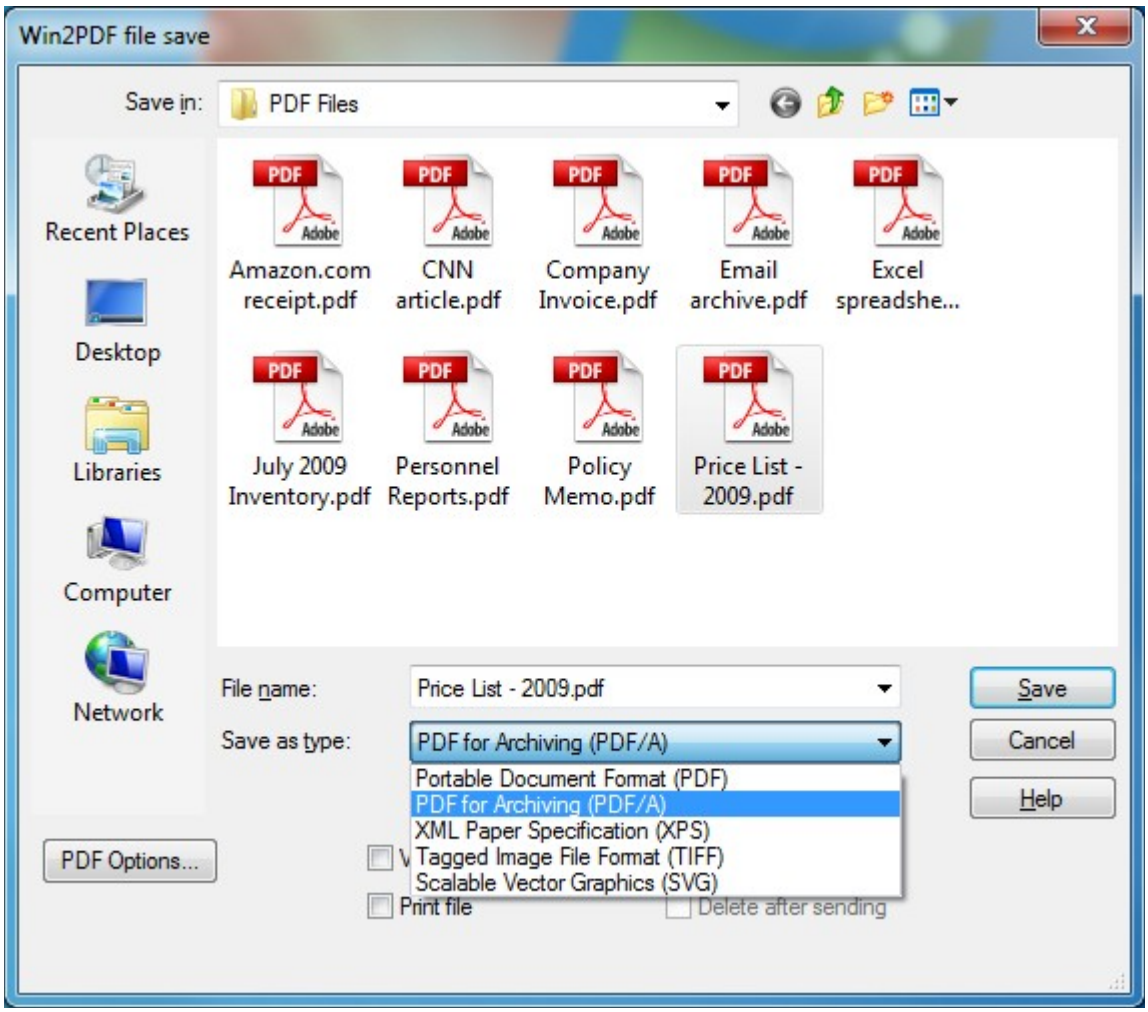

The default file name is supplied by the sending application. You can choose the format using the "Save as type:" options. Win2PDF supports the following formats:

- PDF - Portable Document Format
- PDF/A - Portable Document Format for Archiving (PDF/A-1b, ISO 19005-1:2005)
- XPS - XML Paper Specification
- TIFF - Tagged Image File Format
- SVG - Scalable Vector Graphics

You can choose a number of optional actions to take after the document is created by selecting the check boxes. The options include:

- View File - Opens the file in the default viewer after the file is created.
- Print File - Prints the file to the default printer after the file is created. This option is only available when Win2PDF is not the Windows system default printer.
- Send File - Opens a new email message using the default MAPI-compliant email client and attaches the file to the message. The email program is specified in the Internet Options icon in the Windows control panel. If the Win2PDF Mail Helper application is installed, the Mail Helper application will be opened to send the email instead of the default MAPI client.
- Delete after Sending - Deletes the document after it has been sent using the "Send

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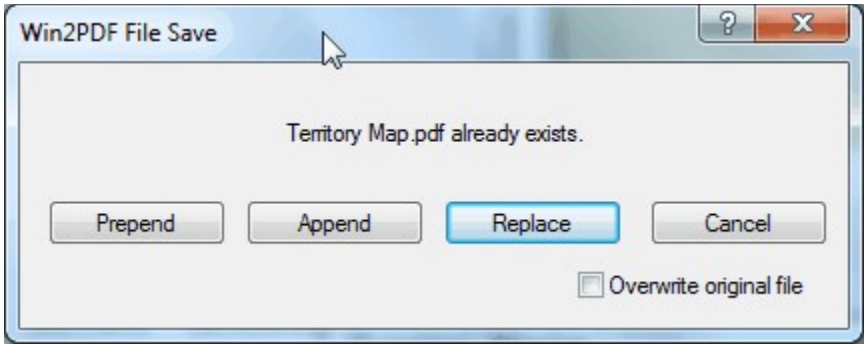
PDF" option.

You can use the file save dialog to browse to a new location before saving the document. Win2PDF remembers this location, and will use the same location the next time you create a document.

2.2 Merging to an existing PDF file

If you select a PDF file in the file save dialog that already exists, Win2PDF will display the following dialog:



The "**Prepend**" button will create a new document containing the existing PDF file and will insert the new document information at the beginning of the file. The "**Append**" button will create a new document containing the existing PDF file and will add the new document information to the end of the file. The "**Replace**" button will overwrite the existing PDF file, and the "**Cancel**" button will cancel the PDF creation without affecting the existing PDF file. Here is a YouTube video that shows how to append to an existing PDF file.

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How to append to an existing PDF file using Win2PDF

If the "**Overwrite original file**" check box is checked, the "**Prepend**" and "**Append**" buttons will overwrite the original document with the new merged document. *This option should be used with caution since it cannot be undone.* If the "**Overwrite original file**" check box is not checked, both the "**Prepend**" and "**Append**" buttons will display an additional dialog to choose a new file name as shown below. In this case, the original PDF file will not be modified.

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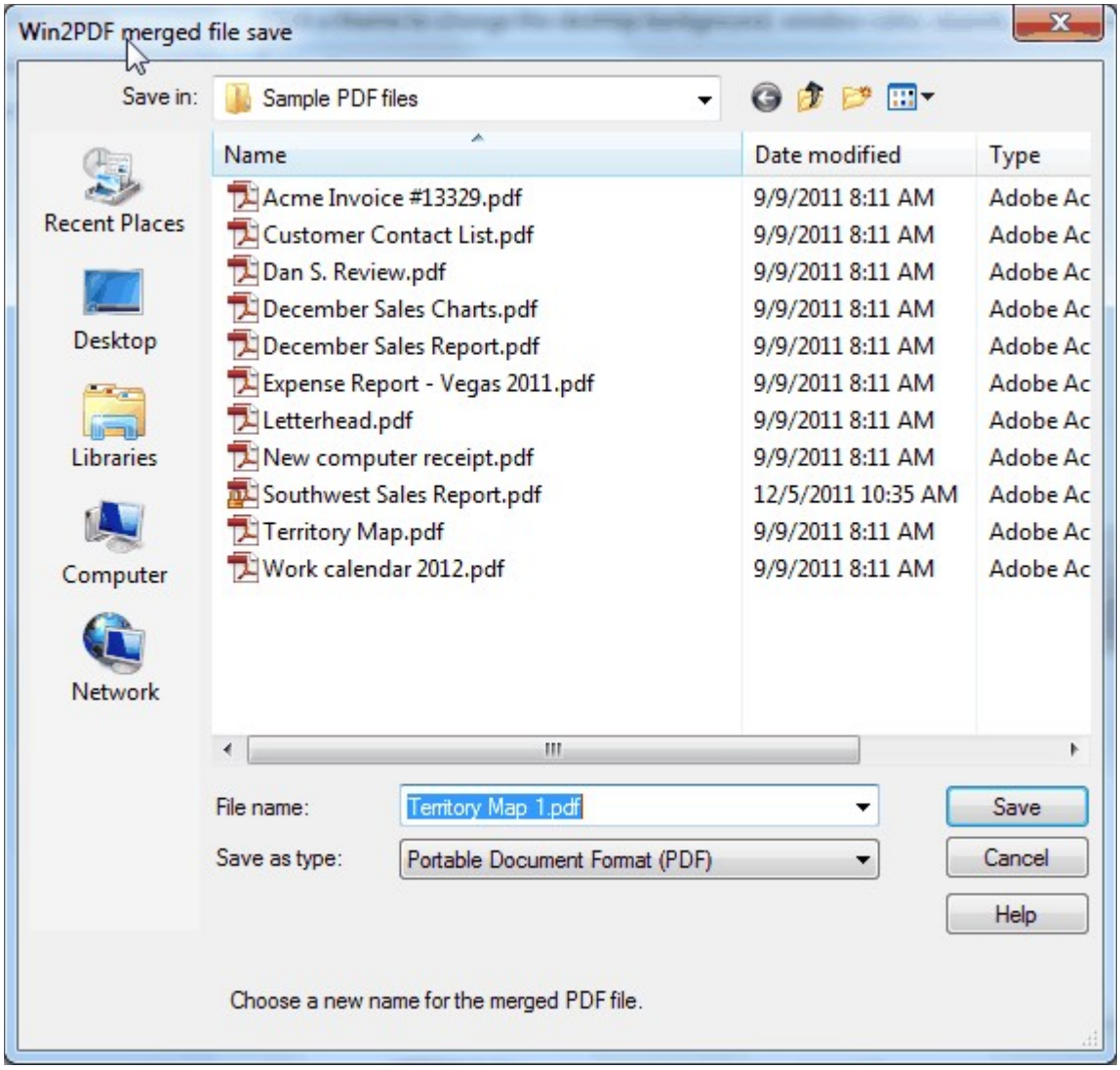

If you selected options to "**View File**", "**Print File**", or "**Send File**" in the first file save dialog, they will be performed after the file has been merged.

If you enabled encryption in Win2PDF Pro, the merged file will be encrypted. Win2PDF cannot append or prepend to an existing PDF file that is already encrypted.

2.3 Fonts

When creating a standard PDF, Win2PDF 7 automatically embeds all fonts except for the 14 fonts that are built into Adobe Reader®. These include:

- Courier
- **Courier-Bold**
- *Courier-Oblique*
- ***Courier-BoldOblique***
- Helvetica
- **Helvetica-Bold**

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- *Helvetica-Oblique*
- ***Helvetica-BoldOblique***
- Times-Roman
- **Times-Bold**
- *Times-Italic*
- ***Times-BoldItalic***
- Symbol
- ZapfDingbats

When the PDF/A format is selected, all fonts including the font Adobe Reader built-in fonts are automatically embedded in the PDF file.

2.4 Paper Sizes

Win2PDF supports the following paper sizes:

- US Letter
- US Legal
- 4A0
- 2A0
- A0
- A1
- A2
- A3
- A4
- B5
- US Letter Small
- A4 Small
- US Legal Small
- Tabloid 11x17in.
- A-Size 8.5x11in.
- B-Size 11x17in.
- C-Size 17x22in.
- D-Size 22x34in.
- E-Size 34x44in.
- Arch-A 9x12in.
- Arch-B 12x18in.
- Arch-C 18x24in.
- Arch-D 24x36in.
- Arch-E 36x48in.

In addition, Win2PDF supports user defined custom or user defined paper sizes. The steps required to create a custom paper size vary depending on the version of Windows.
How to create a custom paper size in Windows XP or Windows Server 2003
How to create a custom paper size in Windows Vista
How to create a custom paper size in Windows 7 or Windows Server 2008

2.4.1 How to create a custom paper size in Windows XP or Windows Server 2003

To create a custom page size in Windows XP or Windows Server 2003:

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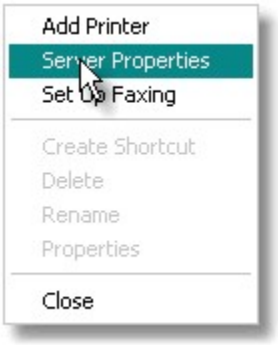
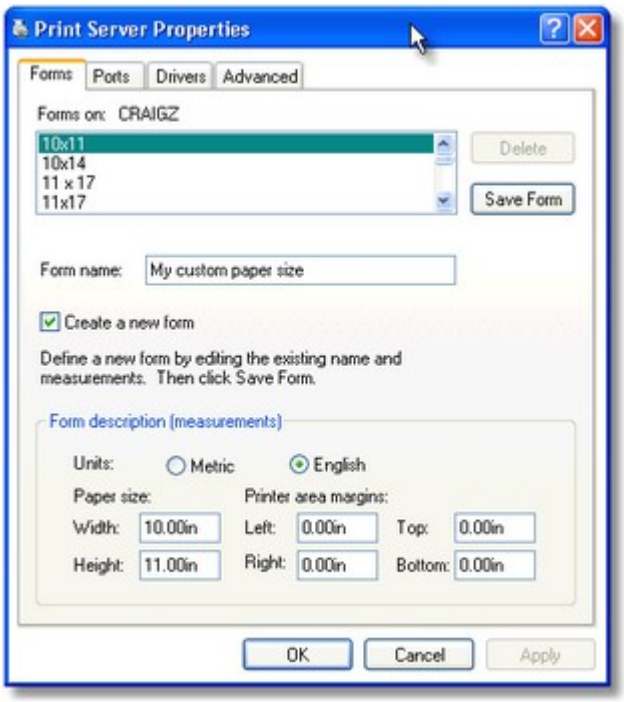
1. Open the "**Printers and Faxes**" folder

2. Under the "**File**" menu, select "**Server Properties**".



3. Select the "**Forms**" tab.



4. Check the "**Create a New Form**" box, and fill out the "**Form Description**" and "**Paper Size**" fields. It is best to leave the "**Printer Area Margins**" fields as 0.

5. Select "Save Form" and close the window. Your form should now be available to Win2PDF.

2.4.2 How to create a custom paper size in Windows Vista

To create a custom page size in Windows Vista:

1. Open the "**Printers**" folder

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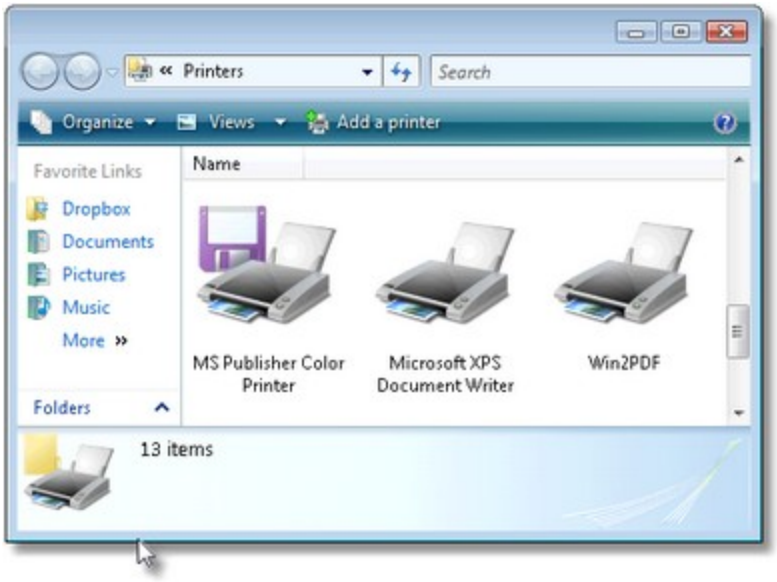
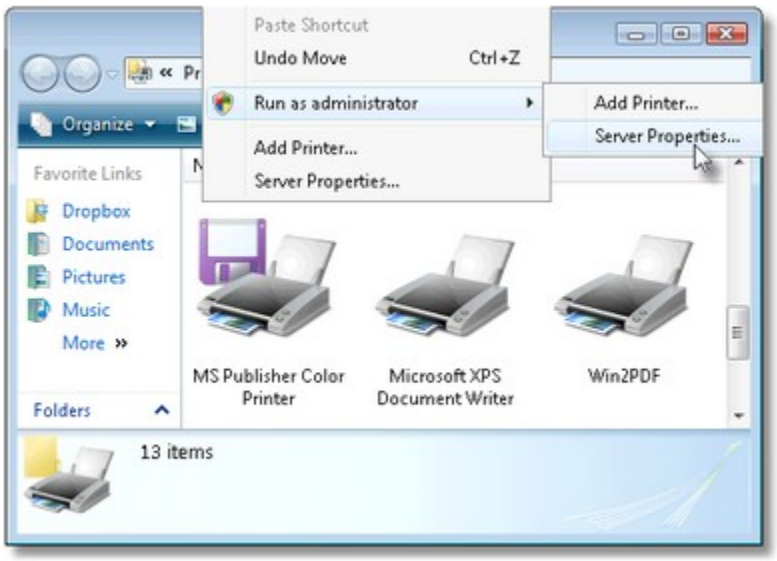


2. Right click in the background of the printers folder, and select "**Run as administrator->Server Properties...**".



3. Select the "**Forms**" tab.

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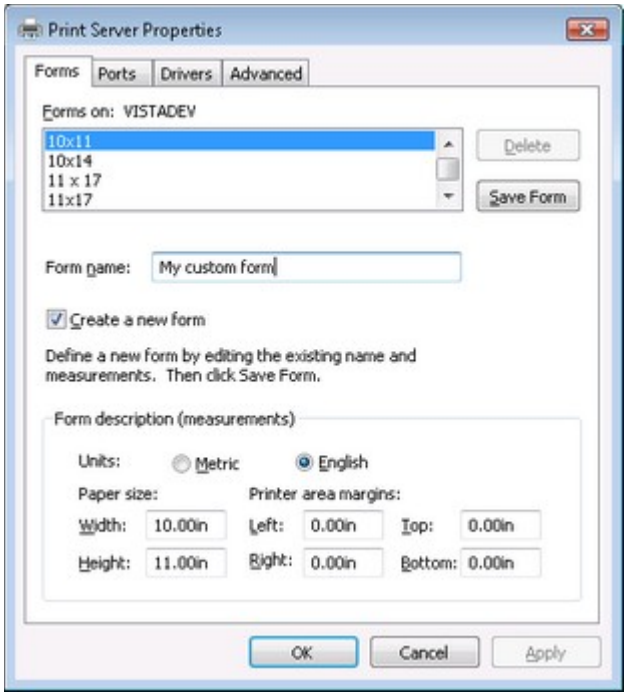

4. Check the "**Create a New Form**" box, and fill out the "**Form Description**" and "**Paper Size**" fields. It is best to leave the "**Printer Area Margins**" fields as 0.

5. Select "Save Form" and close the window. Your form should now be available to Win2PDF.

2.4.3 How to create a custom paper size in Windows 7 or Windows Server 2008

To create a custom page size in Windows 7 or Windows Server 2008:

1. Open the "**Devices and Printers**" folder from the Windows 7 Start menu. Select the printer named **"Win2PDF"** and then click on the menu option **"Print Server Properties"**.

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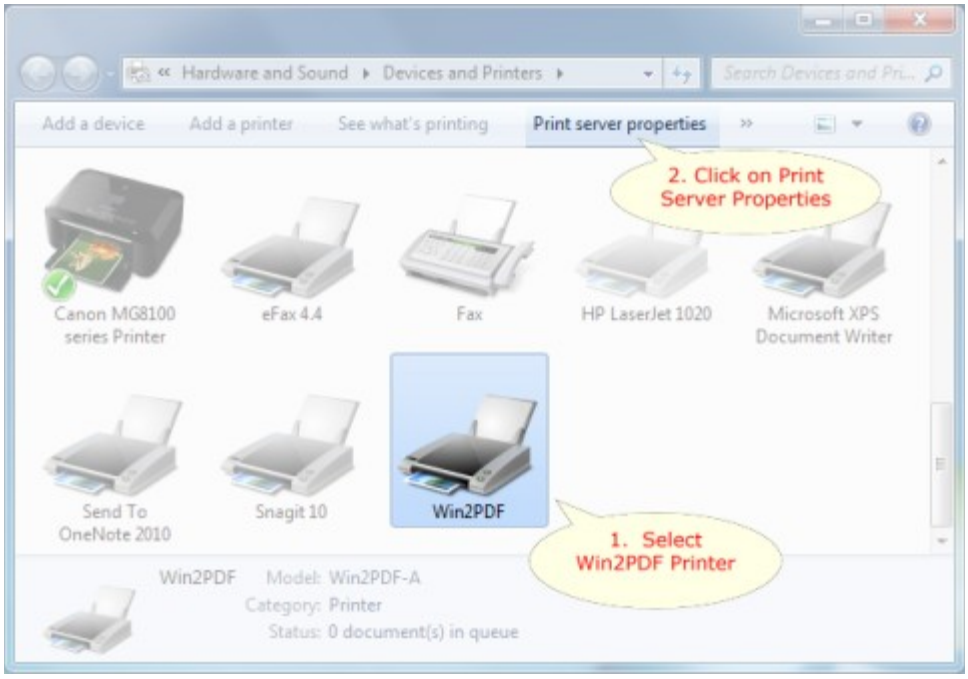
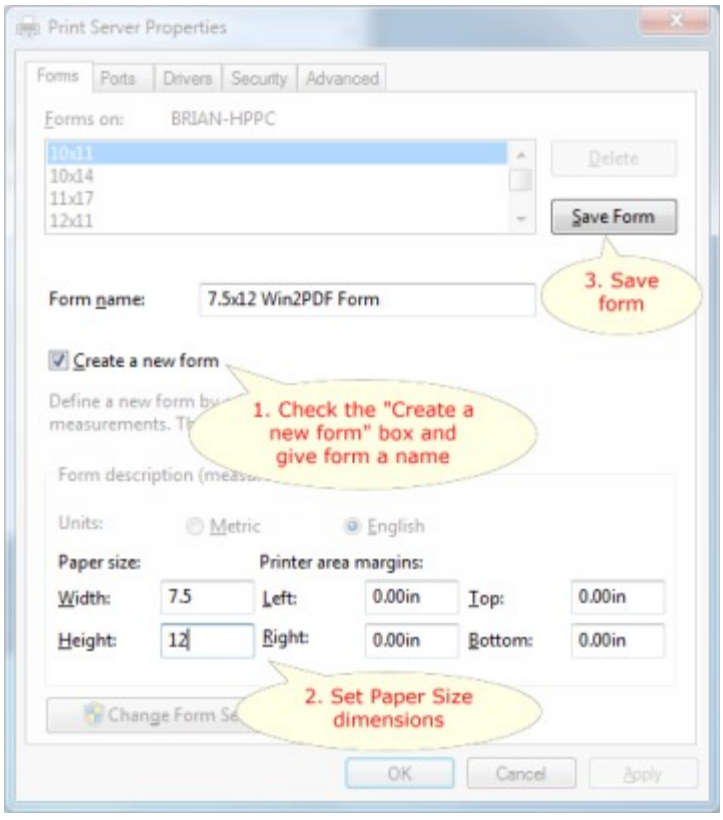


2. In the "**Print Server Properties**" window, name and set the paper size dimensions.



3. Select **"Save Form"** and close the window. Your form should now be available to Win2PDF. Here is a short video showing how to create and use this custom paper size.

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How to create a custom paper size with Windows 7

2.5 Application Settings Vs. Default Settings

Many applications have the ability to change the printer settings from the print dialog or from a page setup dialog. If you change a setting from an application, it will not change the default setting.

To change the default printer setting, you need to change the setting in the "**Printing Preferences**" dialog. You can find this by opening the printers folder, right clicking on the "Win2PDF" icon, and choosing "**Printing Preferences**".

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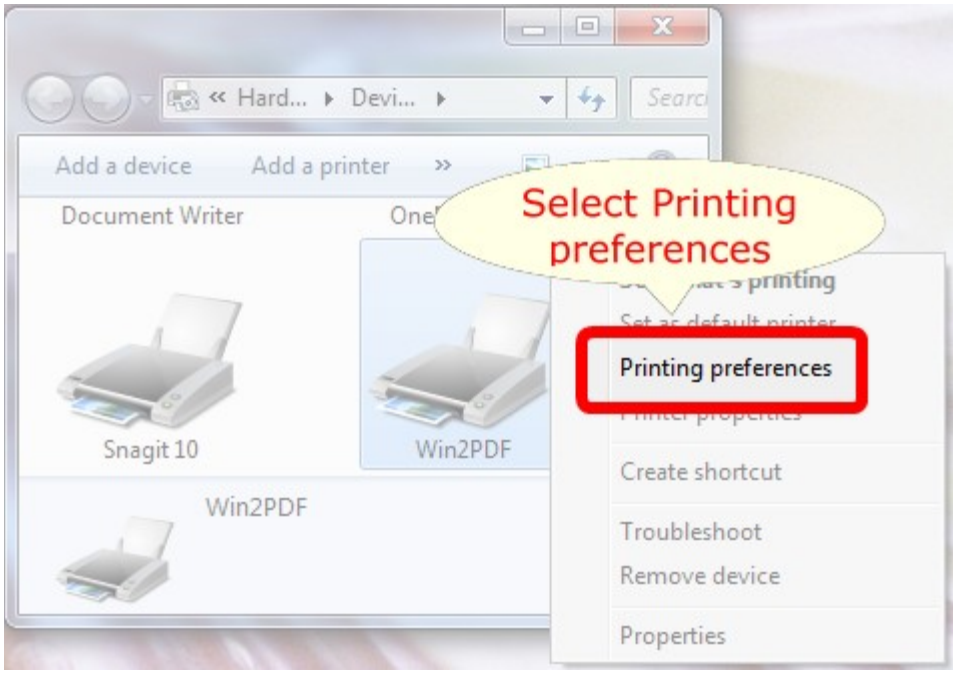

2.6 Resolution

The default resolution for bitmaps is 300 DPI. You can change the default resolution by opening the "**Printers**" folder, right clicking on the Win2PDF icon, and opening "**Printing Preferences**". The resolution (**Print Quality**) setting us under the "**Advanced...**" section of this dialog.

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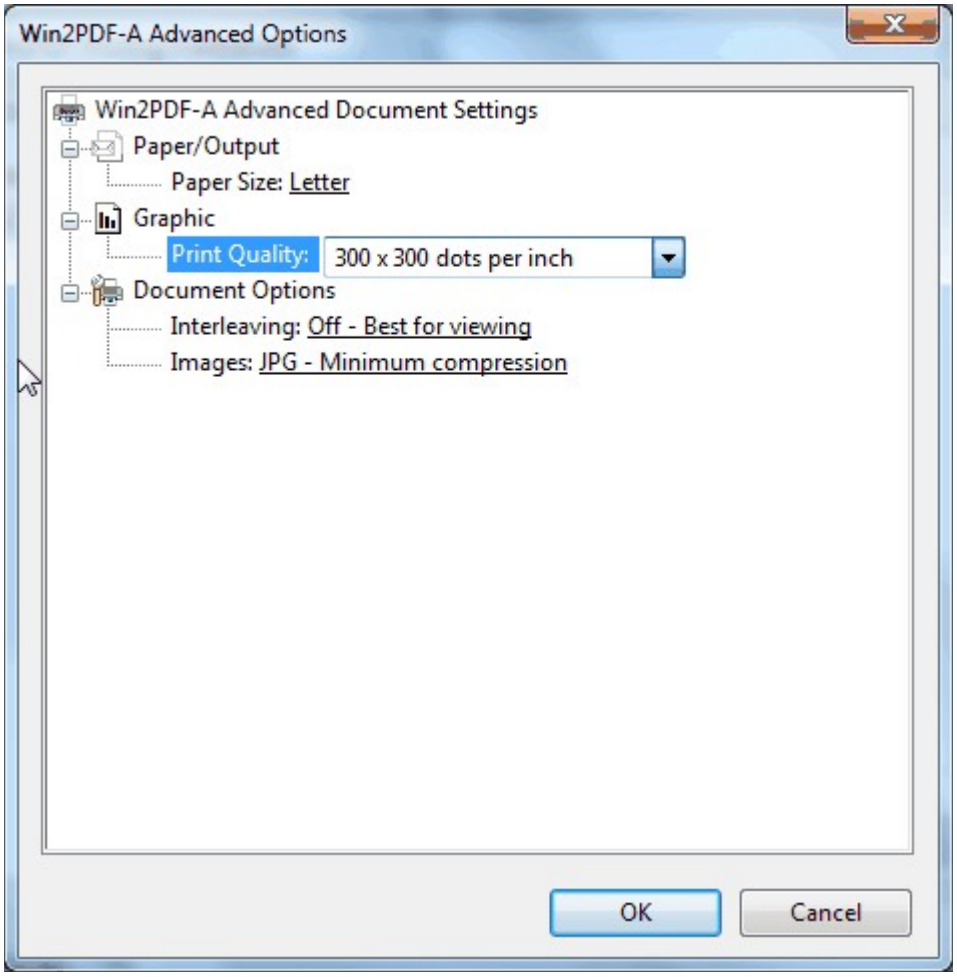

Increasing the resolution will improve the quality of bitmap images, but it will also increase the document size.

2.7 Win2PDF Pro Settings

2.7.1 Document Information

Win2PDF Pro can set the document information such as Title, Author, Subject, and Keywords. This information is entered in the "**PDF Options...**" dialog of the Win2PDF File Save dialog.

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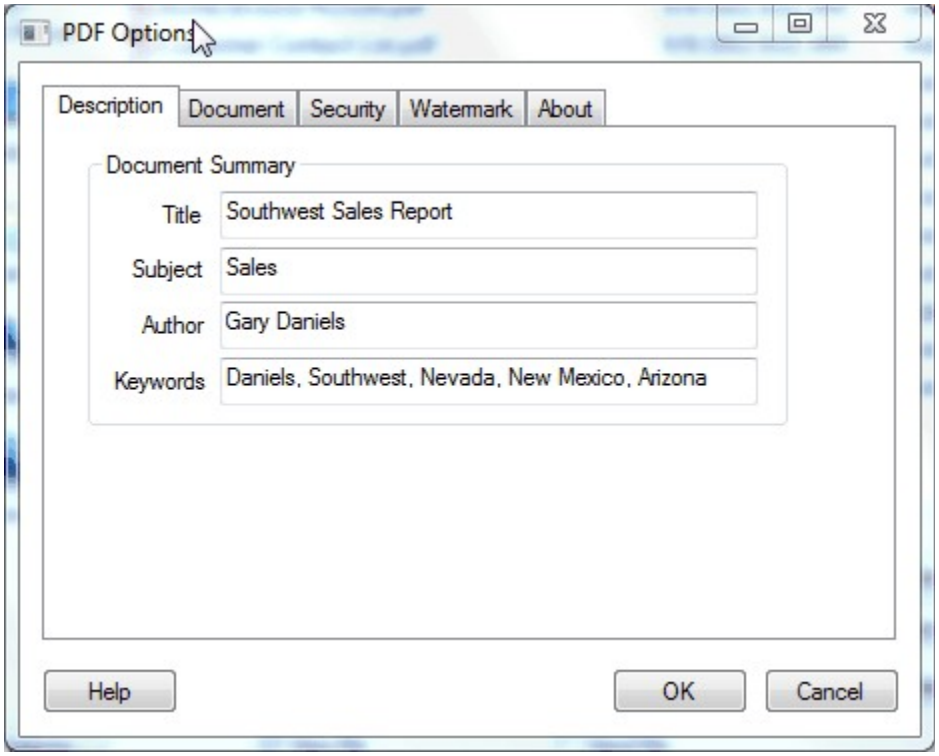

The "**Author**" and "**Keywords**" fields are saved by Win2PDF and applied to all subsequent documents. The default value for the "**Title**" field is set by the application. The "**Subject**" field is not saved for future documents, and must be manually set for each document.

The document information can be viewed in Acrobat Reader by opening **File->Document Properties->Summary**

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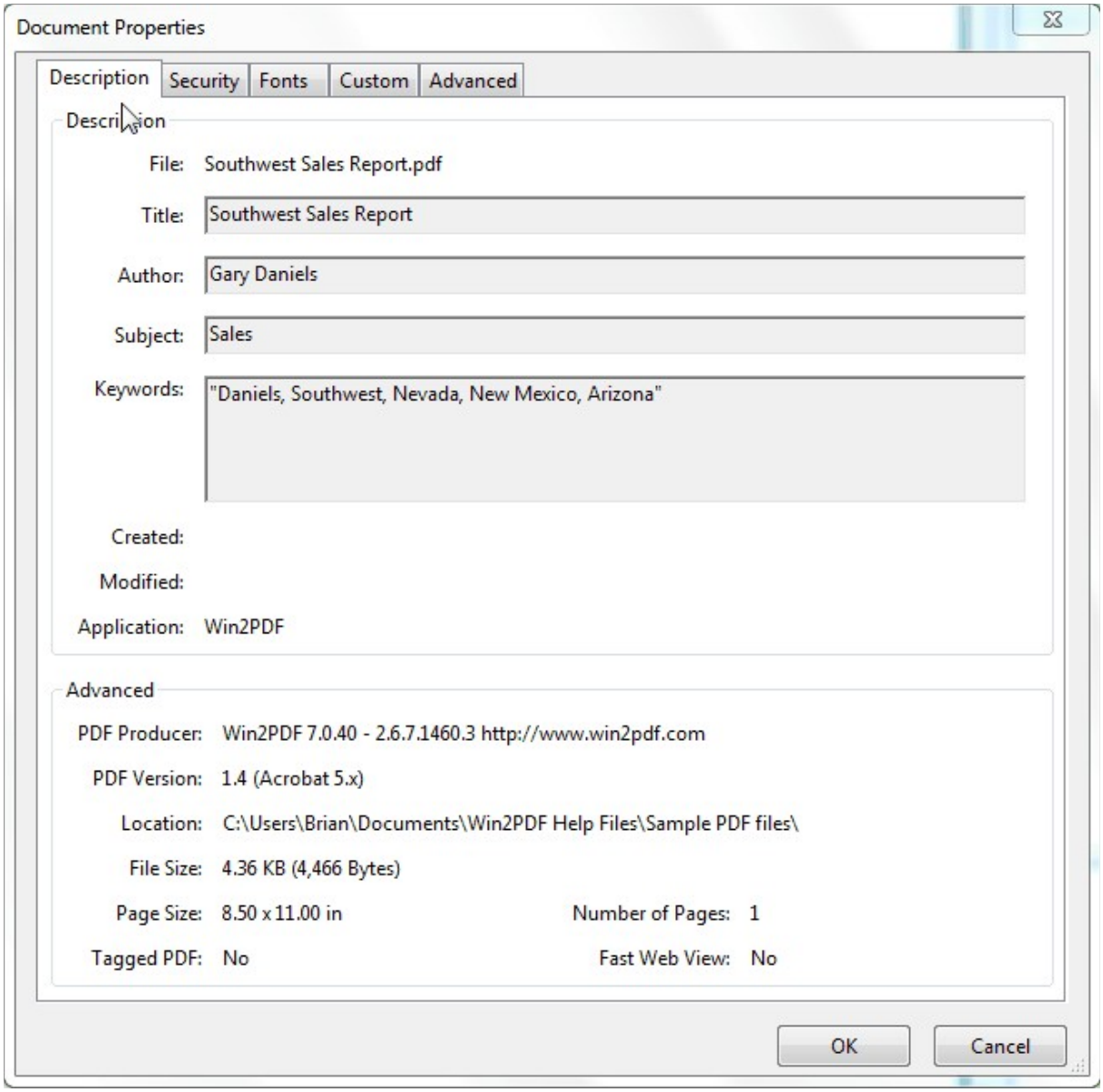

Information on controlling the document information from a custom application is available in "Setting Document Information" in the developer information section.

2.7.2 Document Security

Win2PDF Pro supports the standard security options and permissions available in the PDF file format.

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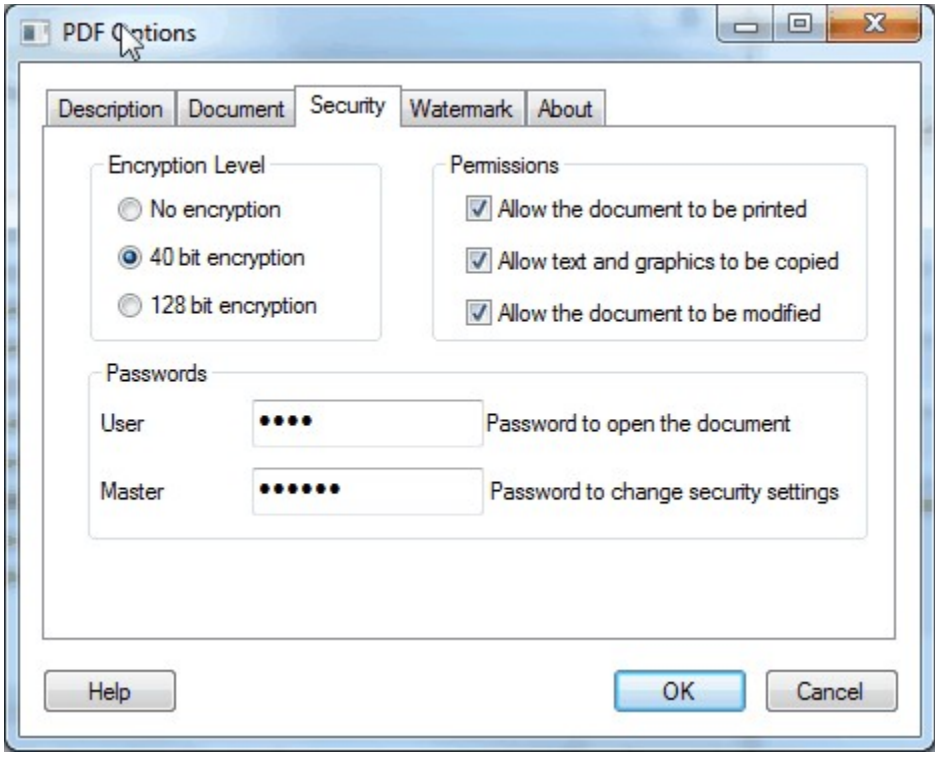

The "**Encryption Level**" setting controls the type of encryption used in the PDF file. The 40 bit encryption is compatible with Acrobat Reader 4.0 and above and the 128 bit encryption is compatible with Acrobat Reader 5.0 and above. For best security, the 128 bit encryption option is recommended.

The "**Permissions**" setting controls restrictions that can be placed on the PDF file. To prevent printing of a PDF file, uncheck the "**Allow the document to be printed**" option. To prevent the text and graphics from being copied from the PDF file, uncheck the "**Allow text and graphics to be copied**" option. To prevent the document from being modified in a PDF editor, uncheck the "**Allow the document to be modified**" option.

The PDF file format allows two types of passwords, a user password and a master password. The user password is used to open the document, and the master password used to encrypt the security options. When a user password is set, Acrobat Reader displays the following prompt when you open the PDF file.

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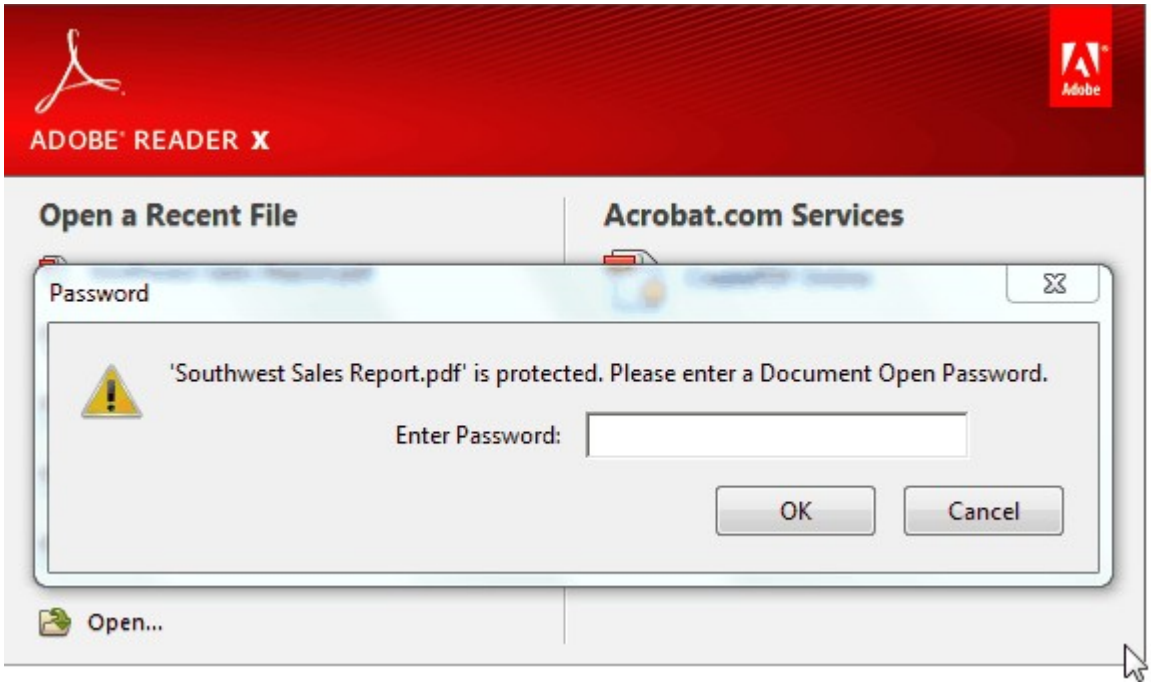

You must always enter a master password when security options are enabled. It is recommended that passwords be at least 8 characters long and contain at least 1 number.

The password and permissions options are only available when the "**Encryption Level**" is set to 40 or 128 bit encryption. Here is a YouTube video that shows how to set the security options:

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Enabling security options in PDF with Win2PDF Pro

Information on controlling the encryption options from a custom application is available in "controlling encryption options" in the developer information section.

An administrator can disable or change the default value for any of the security settings using the "**Win2PDF Admin Utility**" available for download at: http://helpdesk.win2pdf.com/index.php?/Knowledgebase/Article/View/187/15/win2pdf-admin-utility-download

2.7.3 Applying a watermark

Win2PDF Pro can overlay an existing PDF file on newly created PDF files (Add a Watermark) or place and existing PDF file behind text and graphics on newly created PDF files (Add a Background). The existing watermark or background PDF file can contain any text or graphics, but it most often used to apply a "confidential" or "draft" stamp on each page of a document. To enable the watermark or background feature, select the "Add a Watermark" or "Add a Background" option in the Win2PDF "PDF Options" dialog.

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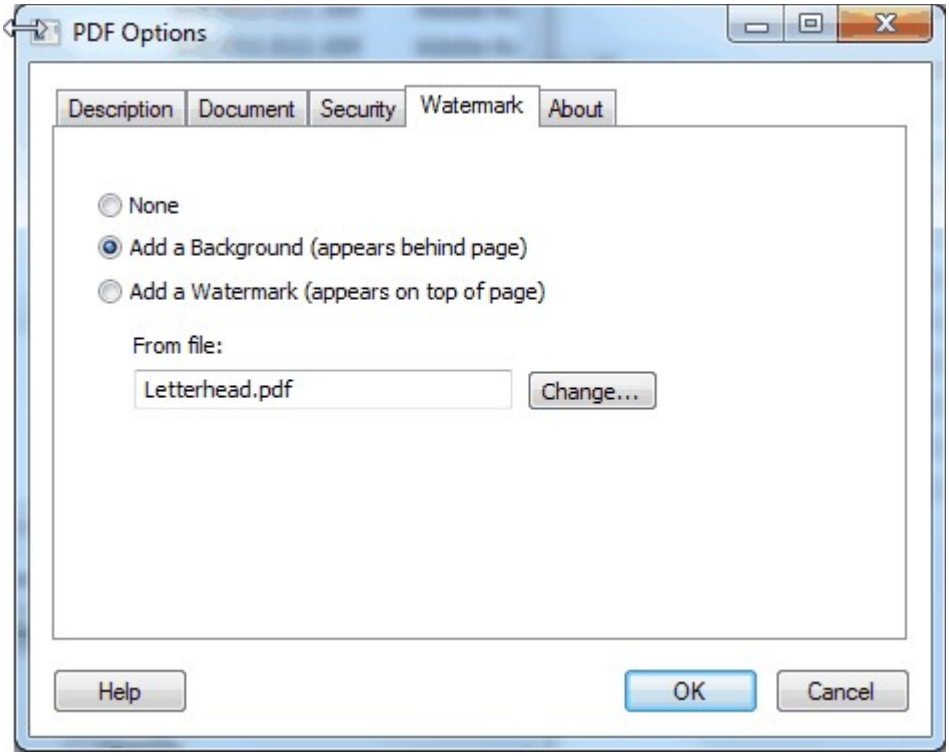

When the watermark or background options are enabled, a text box containing the name of the current watermark or background PDF file is shown below the options. If you would like to change the file, click the "Change..." button and select a new watermark or background PDF file. Win2PDF will always display the last used watermark or background PDF file when the feature is enabled. Here is a YouTube video that shows how to set the security options:

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Adding a watermark to a PDF file using Win2PDF Pro

If the watermark or background PDF file contains more than one page, only the first page will be applied to each page of the new document. It's best to use a watermark or background PDF file that has the same page size as the newly created PDF file. If the watermark or background file has a different page size, it will be scaled and centered on the page of the newly created PDF file.

You can create the watermark or background PDF file using Win2PDF and any Windows application such as Microsoft Word. If you are using Win2PDF Pro, the watermark or background PDF file must not be encrypted. Some sample watermark and background PDF files and the corresponding Word documents are available on the download section of the support web site at:
http://helpdesk.win2pdf.com/index.php?/Knowledgebase/Article/View/186/17/watermark-samples

Information on controlling the watermark options from a custom application is available in "watermark options" in the developer information section.

An administrator can disable or set a default watermark PDF file for all users with the "**Win2PDF Admin Utility**" available for download at:
http://www.win2pdf.net/helpdesk/index.php?_m=downloads&_a=view

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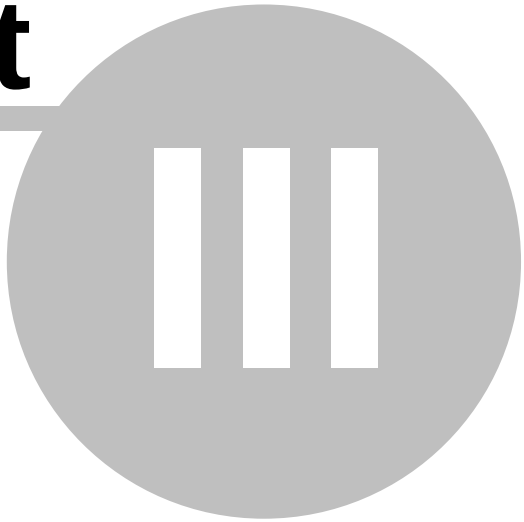
Part



3 Purchasing Win2PDF

3.1 How to Purchase Win2PDF with a credit card

You can purchase Win2PDF online at the http://www.win2pdf.com web site. We accept all major credit cards (Visa, MasterCard, American Express) and use secure order pages.

After you have purchased Win2PDF, you will receive an e-mail receipt containing a license code. You enter this license code as described in "Entering the Win2PDF license code" to remove the extra page from each document.

If you are purchasing Win2PDF Pro, you will receive a link to download the Win2PDF Pro setup program as part of your email receipt.

There is a 60 day money back guarantee on all orders.

3.2 How to Submit a Purchase Order

Purchase orders can be faxed to (612) 435-4926.

For sales inquiries, send e-mail to sales@win2pdf.com

Our mailing address is:

Dane Prairie Systems, LLC
P.O. Box 24491
Minneapolis, MN, USA 55424-0491

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3.3 How to Enter the Win2PDF license code

If you are using a PC with the Windows 8 operating system, please visit our help topic on "How to license Win2PDF with Windows 8".

If you are using a computer with any other supported operating system, please use the following instructions to license your copy of Win2PDF.

After you have received a license code through email, you can enter the Win2PDF license code by running "**Start->Programs->Win2PDF->Enter Win2PDF License**". The following window will appear.

Click on the "**Enter license code**" button, and enter your name, company, and registration code exactly as they are listed in your email receipt.

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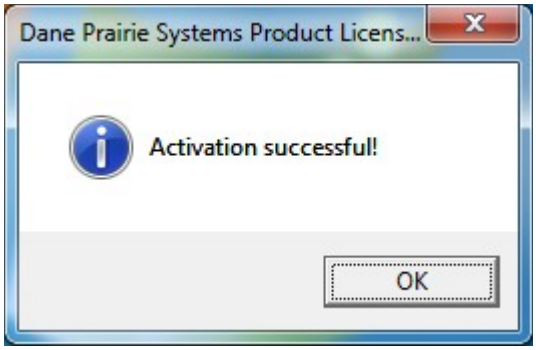
If you entered the information correctly, you should see a success message as follows.



New documents created by Win2PDF will no longer include the trailer page on each document.

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Part

4 How To Articles

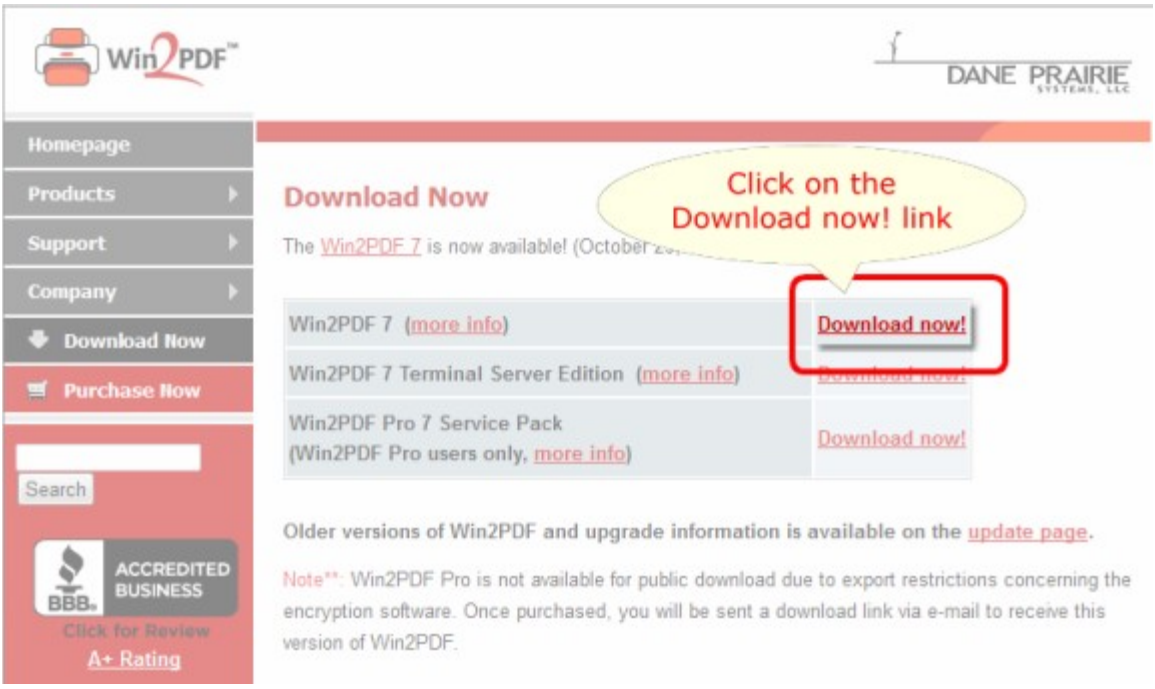
4.1 How to install Win2PDF

4.1.1 How to Download a PDF converter

You can download the latest versions of the Win2PDF and Win2PDF Terminal Server Edition PDF converters from our web page here:

http://www.win2pdf.com/download/download.htm

The trial versions of this PDF converter are available for free, and are not time limited. The trial version will add an extra page to each printed PDF file until the software is purchased, and then the extra page will be removed from any new PDF files.



4.1.2 How to Install a PDF writer

First you'll need to download the Win2PDF PDF writer software. You can download the latest versions of the Win2PDF and Win2PDF Terminal Server Edition PDF converters from our web page here:

http://www.win2pdf.com/download/download.htm

After you have downloaded the setup file for the Win2PDF PDF writer to your hard disk, double-click on the file to start the installation wizard.

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Click on the **'Next >**' button and follow the prompts to install the software. After it has been installed, you will see a printer named **'Win2PDF'** in the printers folders.

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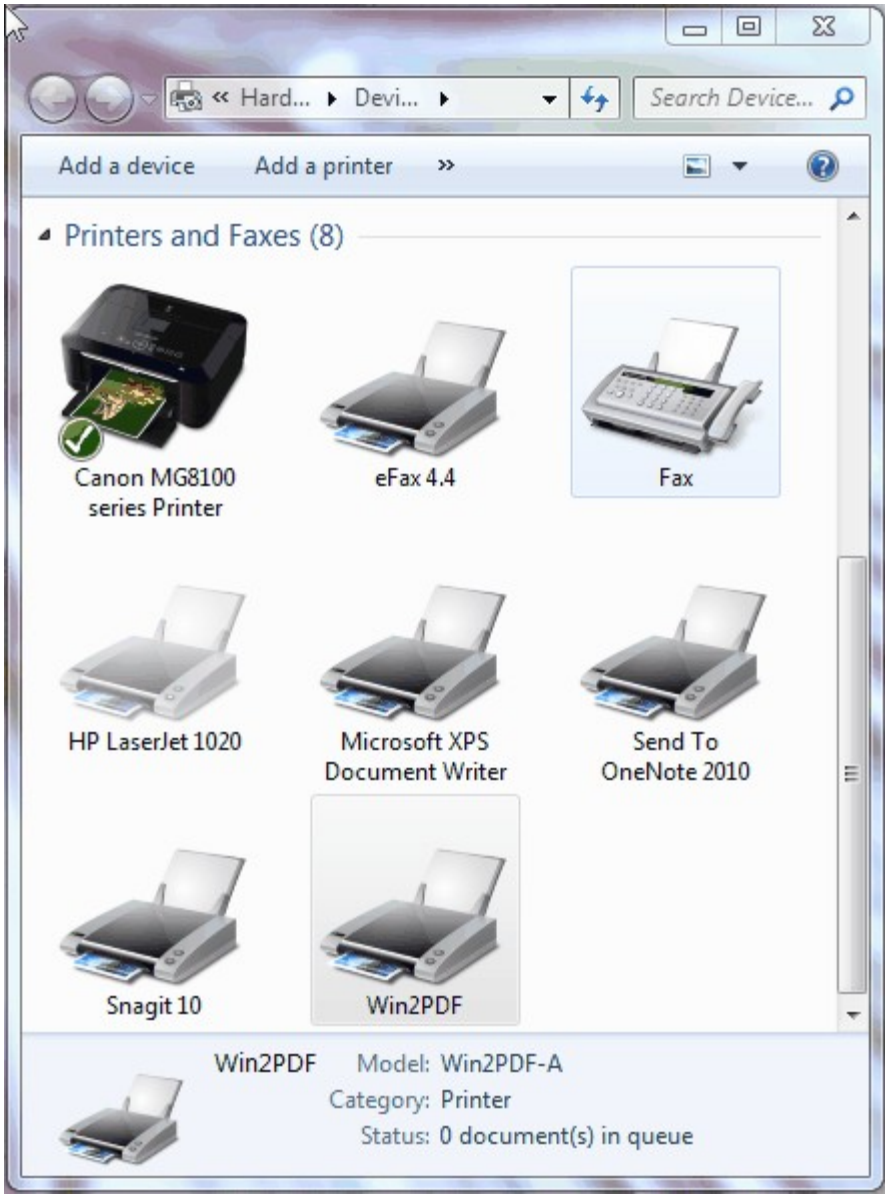

To use Win2PDF , just select **Print** from any application and then choose the printer named Win2PDF. You will then be able so save the document as a PDF file.

4.2 How to use Win2PDF

4.2.1 How to View a PDF file after creating it

To view a PDF file after creating it, just select the **'View file'** option on the Win2PDF file save window.

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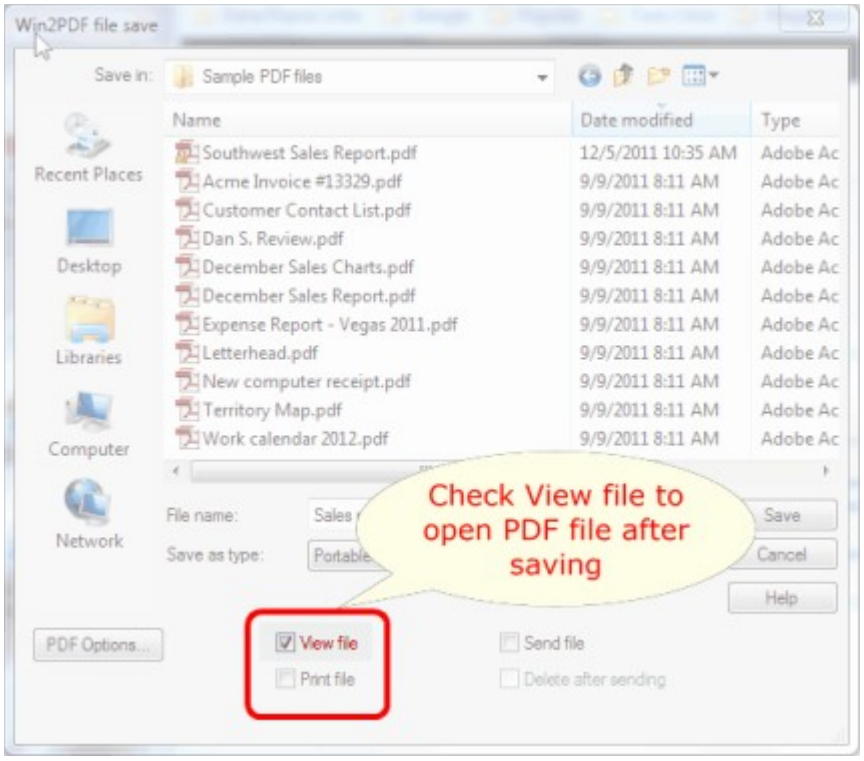

When you save the PDF file, the file will automatically be opened with your default PDF viewer application, which is typically the free Adobe Reader software.

4.2.2 How to Print a PDF file after creating it

To print a copy of the PDF file to a paper printer after creating it, just select the **'Print file'** option on the Win2PDF file save window.

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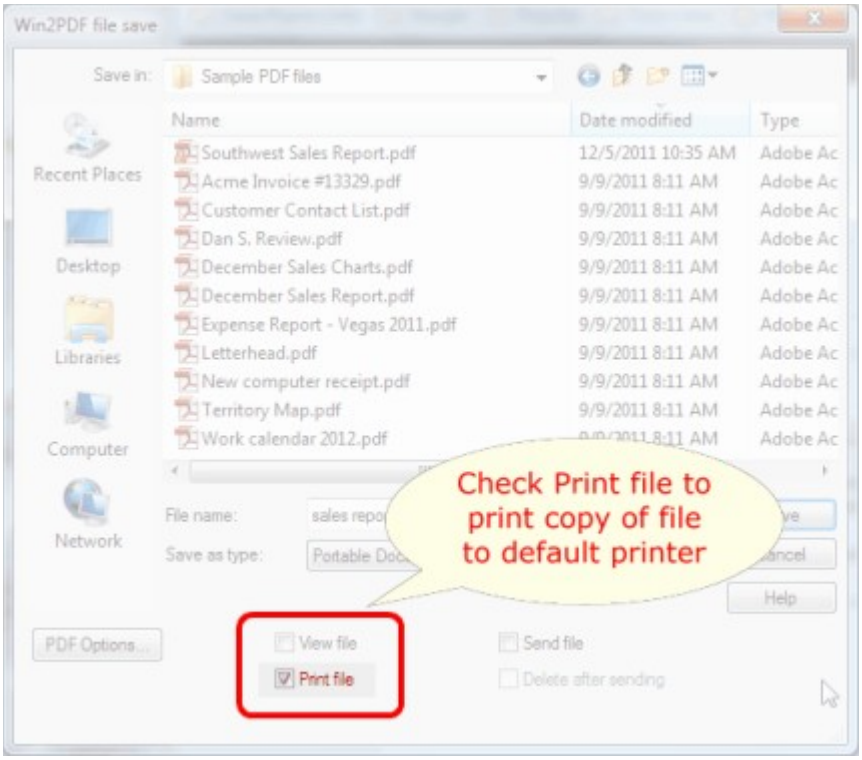

When you save the PDF file, the file will automatically be sent to your default printer.

4.2.3 How to Email a PDF file after creating it

To email the PDF file after creating it, just select the **'Send file'** option on the Win2PDF file save window.

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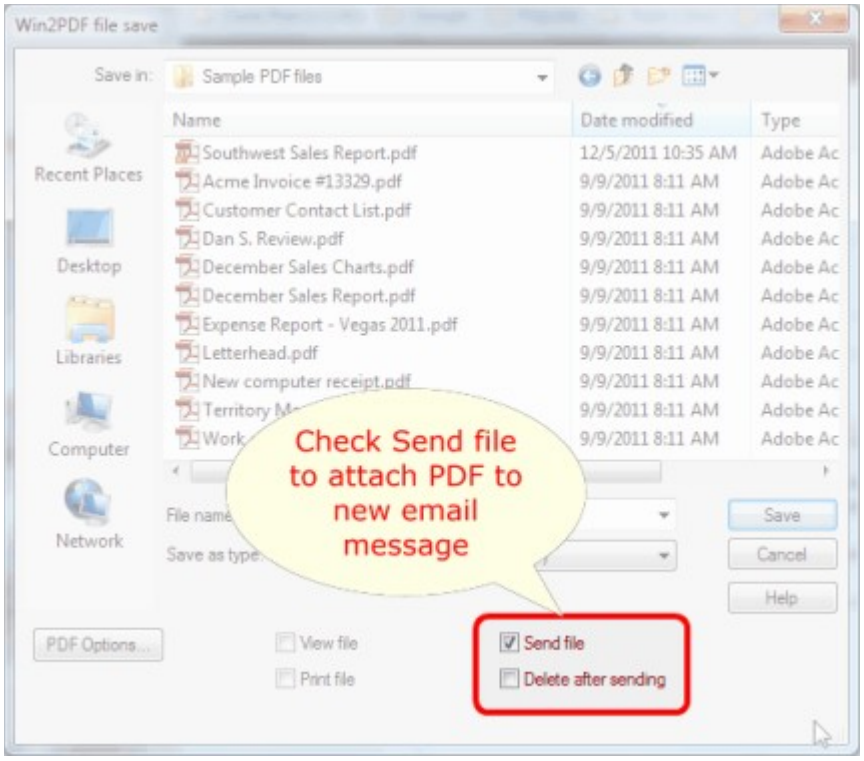

When you save the PDF file, the file will automatically be attached as a new PDF file to your default MAPI e-mail client (e.g. Microsoft Outlook). You can then address the e-mail and send it as a file attachment.

If the **'Delete after sending'** option is checked, the PDF file will be deleted from your hard disk after the e-mail has been sent.

4.2.4 How to Create a PDF/A file

To create a PDF/A file, you'll just need to print to Win2PDF and then choose the 'Save as type:' to be **'PDF for Archiving (PDF/A)**'.

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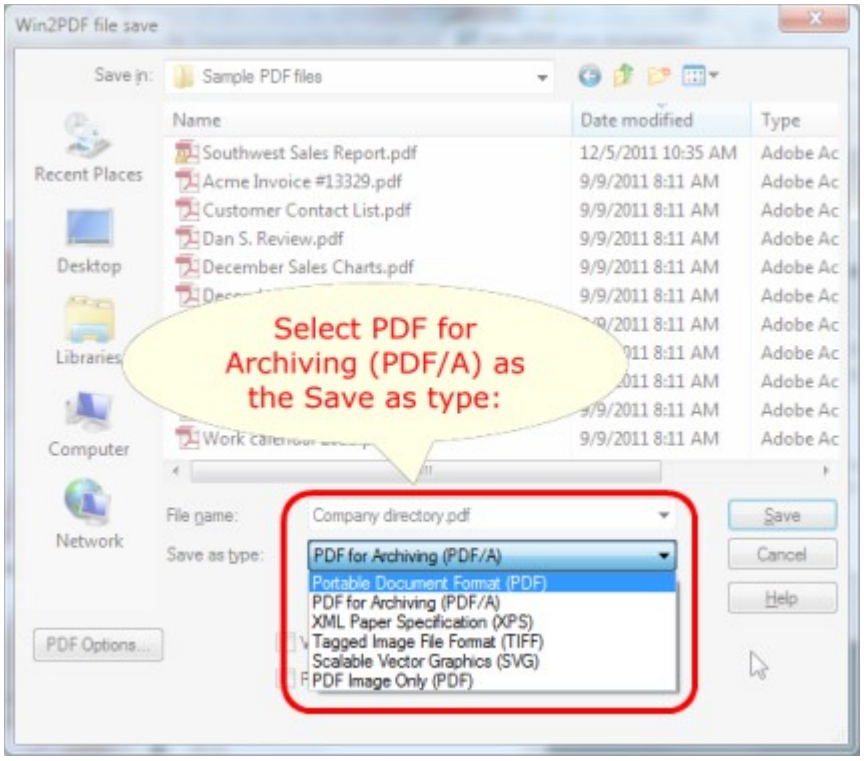

When the PDF file is saved, it will still have a .pdf file extension, but it will be formatted in compliance with the PDF/A standard.

4.2.5 How to Create an XPS file

XPS is a format created by Microsoft, and it is the abbreviation of **X**ML **P**aper **S**pecification. It is a page description language which can describe a single page or a document containing multiple pages. The description includes all the text and graphics that appear on the page(s). Win2PDF has the ability to create XPS file by printing from any application.

To create an XPS file, you'll just need to print to Win2PDF and then choose the 'Save as type:' to be '**XML Paper Specification (XPS)**'.

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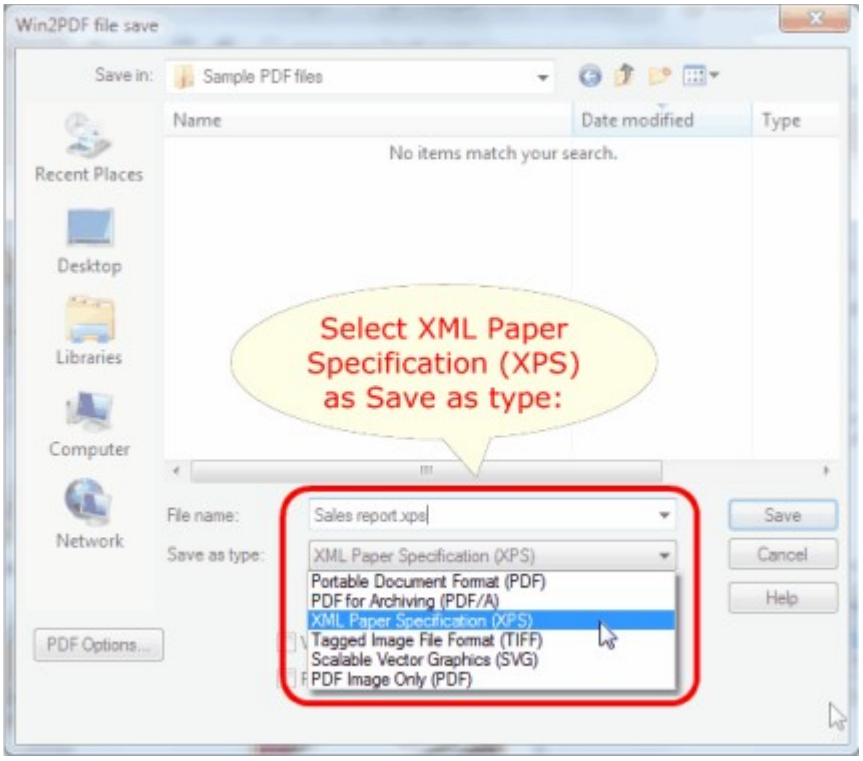

When you click **'Save'**, the file will be saved as an Microsoft .xps file.

4.2.6 How to Create a TIFF file

TIFF (**T**agged **I**mage **F**ile **F**ormat) is a file format for storing images and scanned document information. Win2PDF has the ability to create TIFF file by printing from any application.

To create an TIFF file, you'll just need to print to Win2PDF and then choose the 'Save as type:' to be '**Tagged Image File Format (TIFF)**'.

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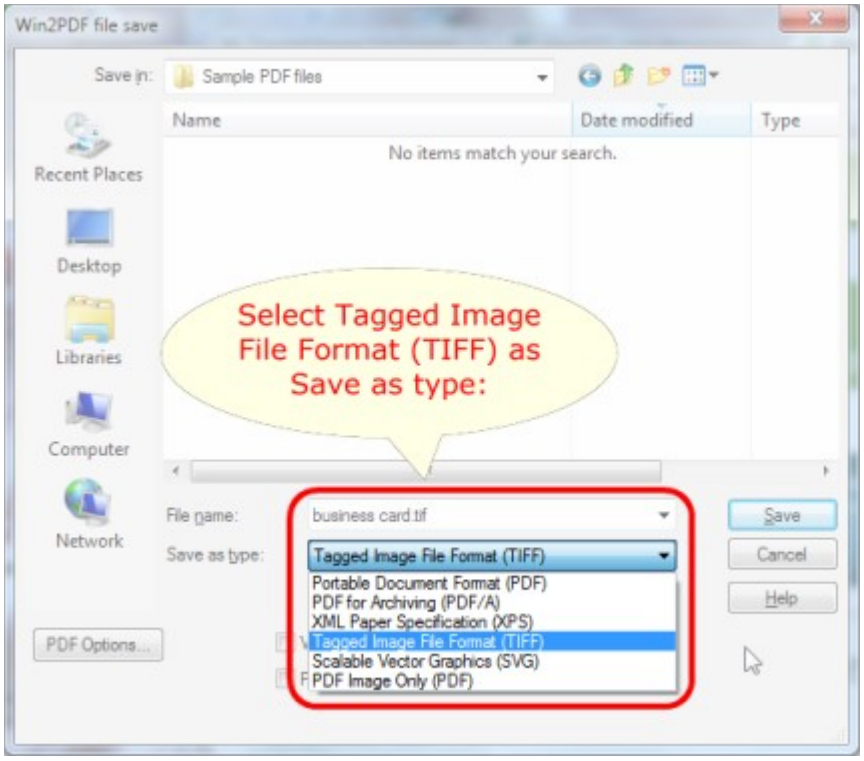

When you click **'Save'**, the file will be saved as a .tiff file.

4.2.7 How to Create an SVG file

Scalable Vector Graphics (SVG) is an XML-based file format for describing two-dimensional vector graphics. The SVG specification is an open standard that has been under development by the World Wide Web Consortium (W3C) since 1999, and Win2PDF has the ability to generate SVG files by printing.

To create an SVG file, you'll just need to print to Win2PDF and then choose the 'Save as type:' to be '**Scalable Vector Graphics (SVG)**'.

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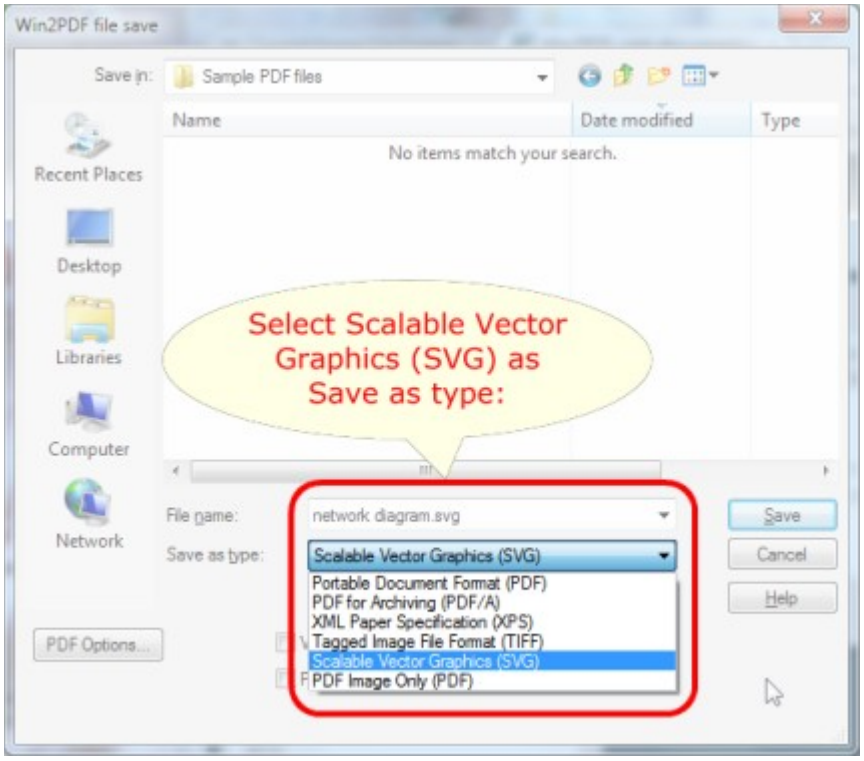

When the SVG file is saved, it will still have a .svg file extension and it will be formatted in compliance with the SVG standard.

4.2.8 How to Create a non-searchable (image only) PDF file?

Some users may need to create a PDF file that cannot be searched by text. This can be achieved by saving the PDF file as an 'image only'. To create a non-searchable (image only) file, you'll just need to print to Win2PDF and then choose the 'Save as type:' to be **'PDF Image Only (PDF)**'.

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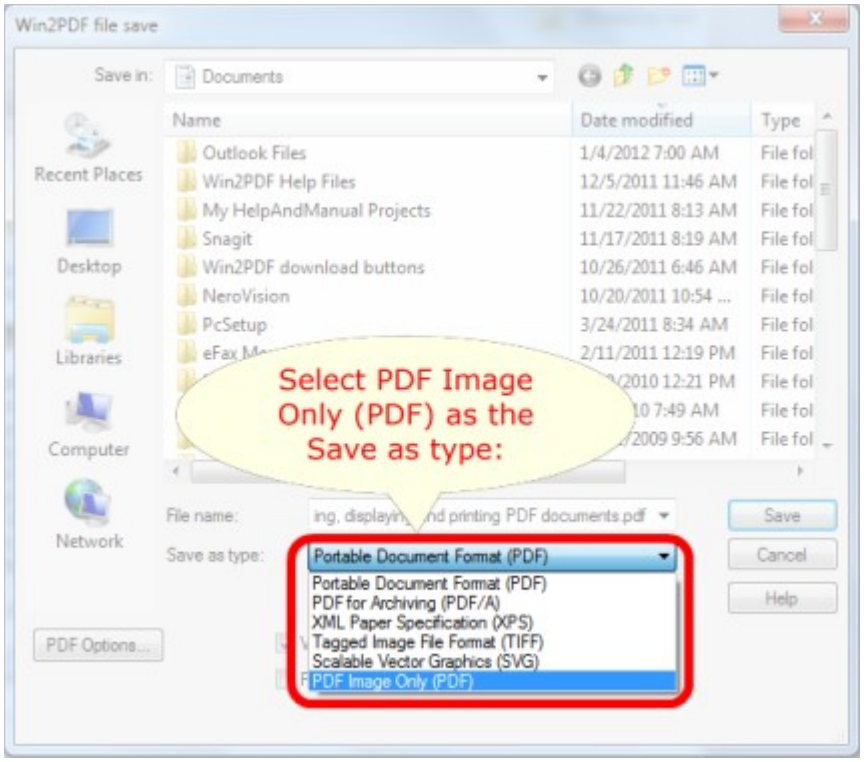
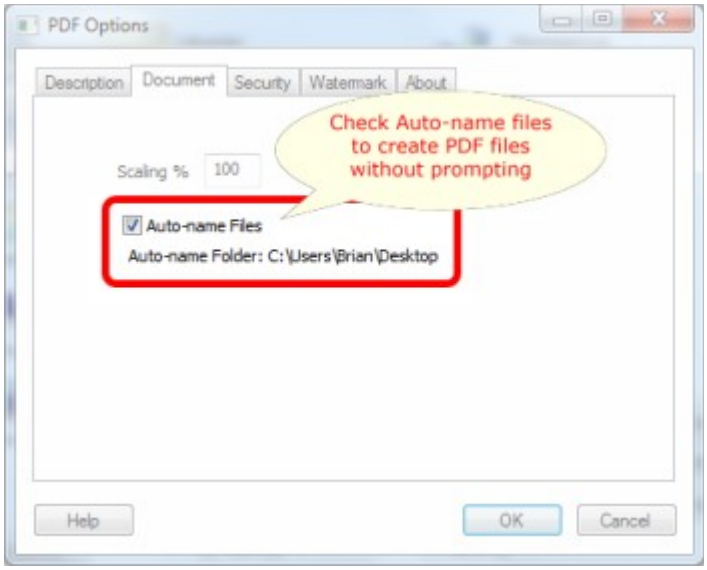


The resulting PDF file will still be a standard PDF file, but the text information in the original document will be converted to images. This means that anyone doing a text search on PDF file will not be able to find any text matches.

4.2.9 How to Automatically Name PDF files

To automatically save PDF files without prompting, you can turn on the Win2PDF Auto-name feature. This is enabled by first selecting the **PDF Options...** button on the Win2PDF file save window. Then, navigate to the **'Document'** tab and you will see the following checkbox for **Auto-name Files.**



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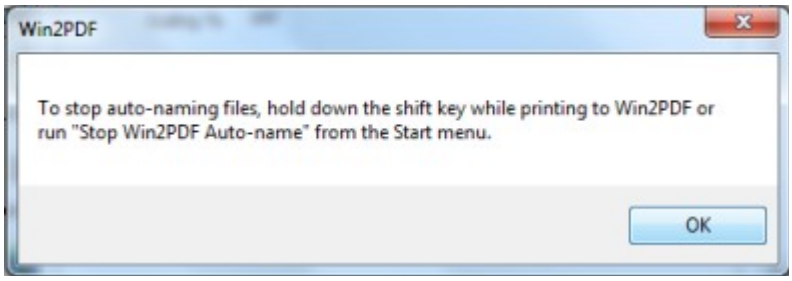
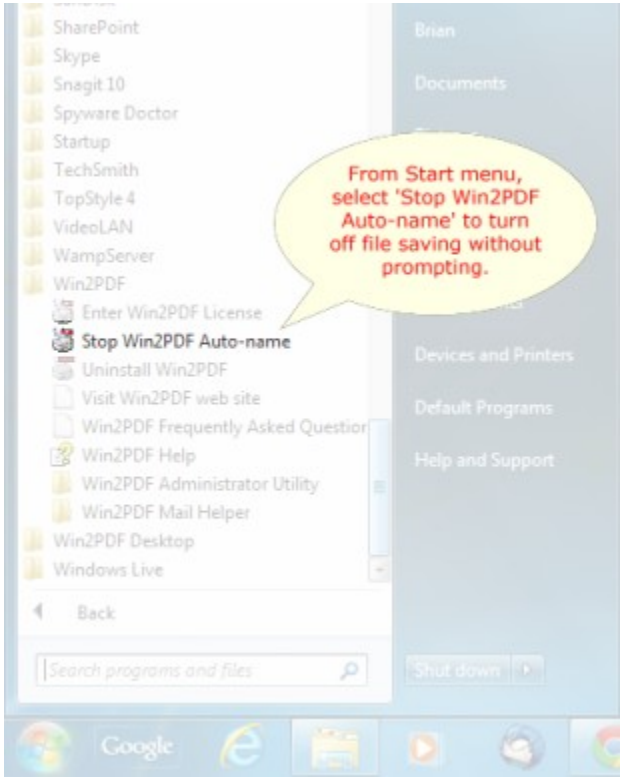
When this option is checked, the **Auto-name Folder:** shows the location where the new PDF file will be saved. This is the same directory location as the original file that is being printed (it can be changed by navigating to a different file save location on the main Win2PDF file save window). The name of the new PDF file will be the same as the original document with a date and time stamp included. For example, if your original document is named *Sales Report.xls*, the PDF will be *Sales Report [Date] [Time].pdf*.

You will also see the following pop-up window when this option is selected:



Once Auto-name is enabled, you will no longer see the Win2PDF file save window when you print. To turn off the Auto-name feature and resume prompting for the PDF file save, you will need to either hold down the SHIFT key when printing to Win2PDF, or go to the Windows Start menu and go to the Win2PDF program group. There, you will be able to select **'Stop Win2PDF Auto-name'**, as shown below.



There are more advanced ways to customize the automatic file save options, including changes to the file name date and time stamps. For more information, please visit the

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How to Manage file name settings section of the **How to use the Win2PDF Admin Utility** section of our online help.

4.2.10 How to Email a PDF to Kindle

The Amazon Kindle ebook reader supports PDF files through Amazon's Kindle Personal Documents Service. Win2PDF offers a convenient way to add documents to your Kindle by emailing PDF files directly to your Kindle.

In order to use this service, you must first tell Amazon to accept email from your email address. Use the following steps to enable email to your Kindle:

1. Go to your Kindle Personal Documents Settings page.
2. Under **Approved Personal Document E-mail List**, add your email address.
3. Under **Send-to-Kindle E-Mail Settings**, find and record your Kindle's email address. This address should end in "@kindle.com". This is the address that you will send PDF files to.

Once the Amazon Personal Document Settings have been configured, you can send PDF files directly to your Kindle by following the instructions under "How to email a PDF file after creating it?" and specifying the Kindle address recorded in step 3 as the email recipient.

Amazon charges fees for sending files to your Kindle for some devices.

- For Kindle devices with WiFi only (no 3G), there is no charge to receive PDF files. The Kindle must be connected to a WiFi network to receive PDF files.
- Kindle devices with 3G, Amazon charges a small fee to deliver the PDF files over 3G if the Kindle is not currently connected to a WiFi network. To avoid fees on 3G Kindles, you can use "@free.kindle.com" as the email address to prevent PDF files from being delivered over 3G.

4.2.11 How to Transfer a PDF to an Apple iPhone

The Apple iOS devices (iPhone and iPad) support viewing PDF files through their iBooks application, and through a variety of other 3rd party apps (such as the Adobe Reader for iOS app). Win2PDF offers a convenient way to add documents to your iPhone by emailing PDF files directly to yourself. If you follow these steps, you will be able to create and transfer PDF files to your iPhone.

1. Create a PDF file using Win2PDF, and check the Send file option to send an email to yourself (using any email account you can access through the native iPhone Mail app).

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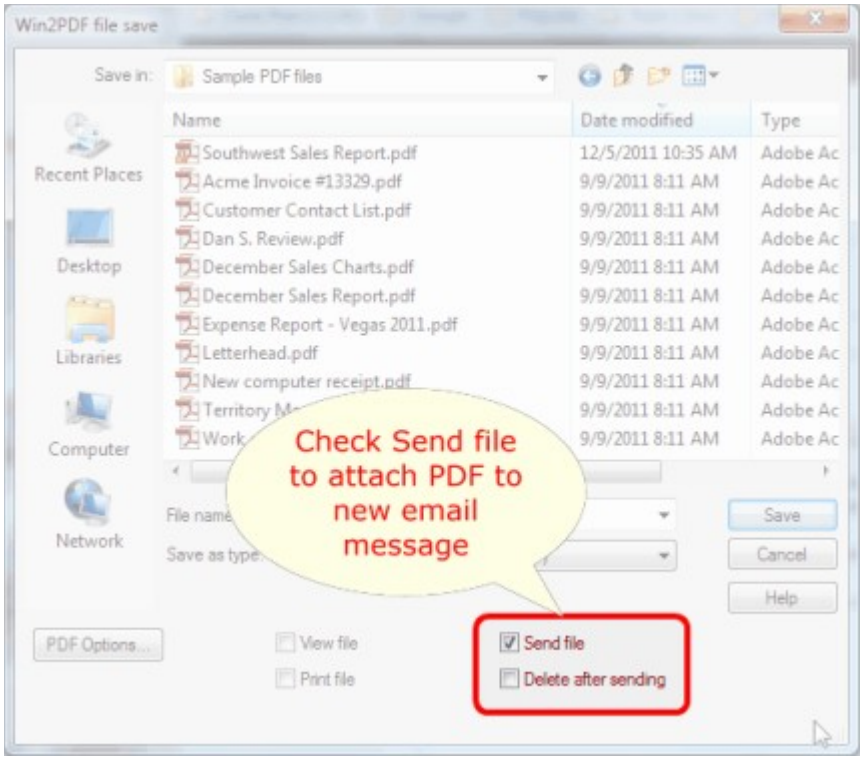

2. After you have sent the email with the PDF file to yourself, then open the Mail app on the iPhone. Touch the PDF file attachment to open the PDF file. It will look something like this:

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3. The PDF file can be opened and viewed with the iBooks app, or you can use any number of other PDF capable viewers (provided you have previously downloaded these apps to your device through the iTunes app store).

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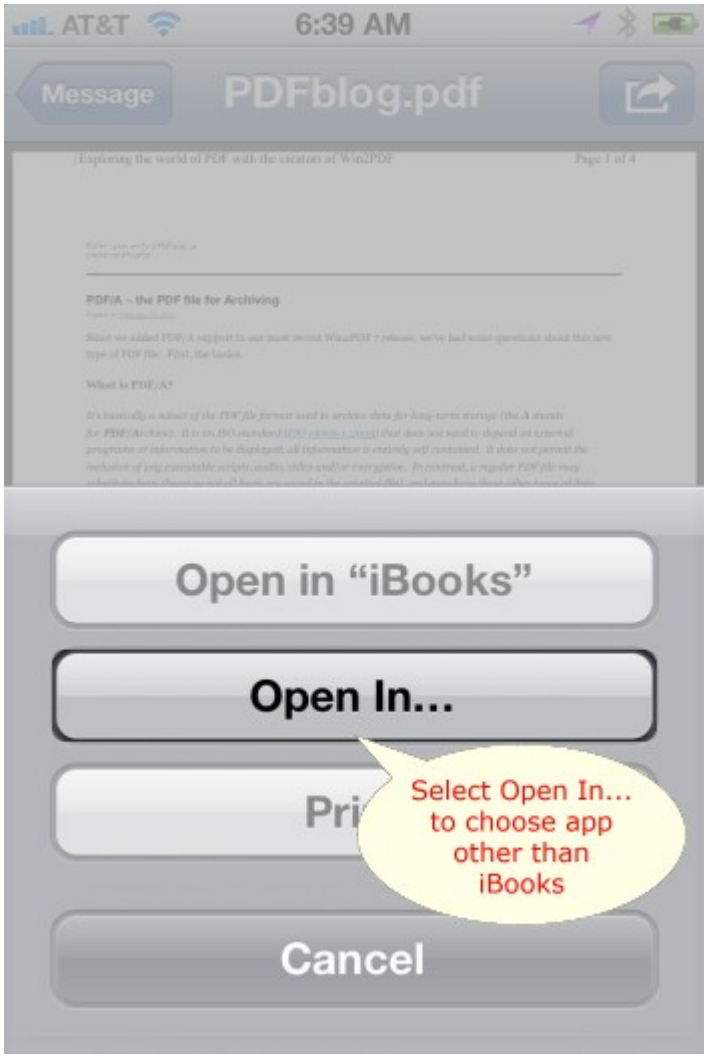

4. If you want to use Adobe Reader, for example, just click on the "Open In..." button and then you will be able to select Adobe Reader from the list of available apps.

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4.2.12 How to Transfer a PDF to an Apple iPad

The Apple iOS devices (iPhone and iPad) support viewing PDF files through their iBooks application, and through a variety of other 3rd party apps (such as the Adobe Reader for iOS app). Win2PDF offers a convenient way to add documents to your iPad by emailing PDF files directly to yourself. If you follow these steps, you will be able to create and transfer PDF files to your iPad.

1. Create a PDF file using Win2PDF, and check the Send file option to send an email to yourself (using any email account you can access through the native iPad Mail app).

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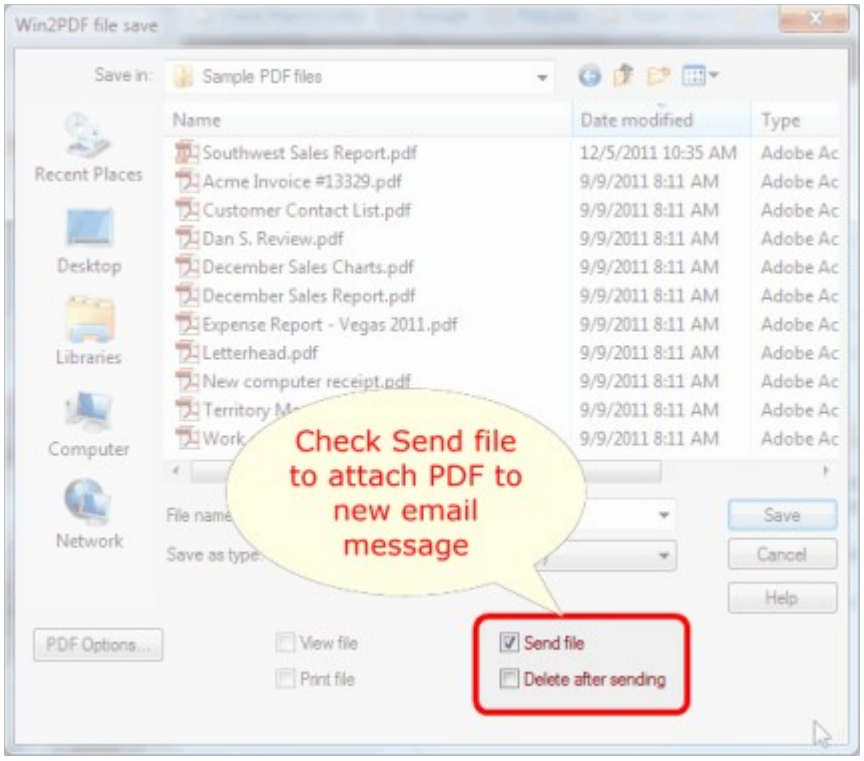
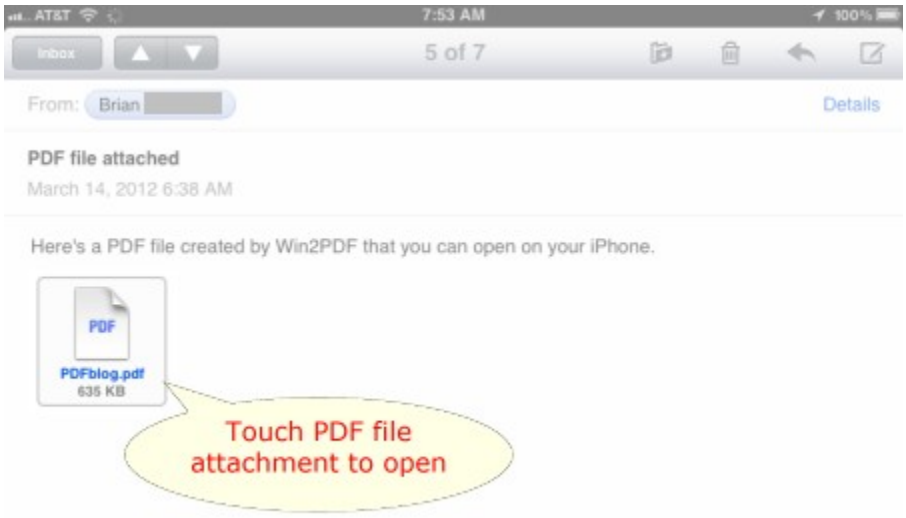


2. After you have sent the email with the PDF file to yourself, then open the Mail app on the iPad. Touch the PDF file attachment to open the PDF file. It will look something like this:



3. The PDF file can be opened and viewed with the iBooks app, or you can use any number of other PDF capable viewers (provided you have previously downloaded these apps to your device through the iTunes app store).

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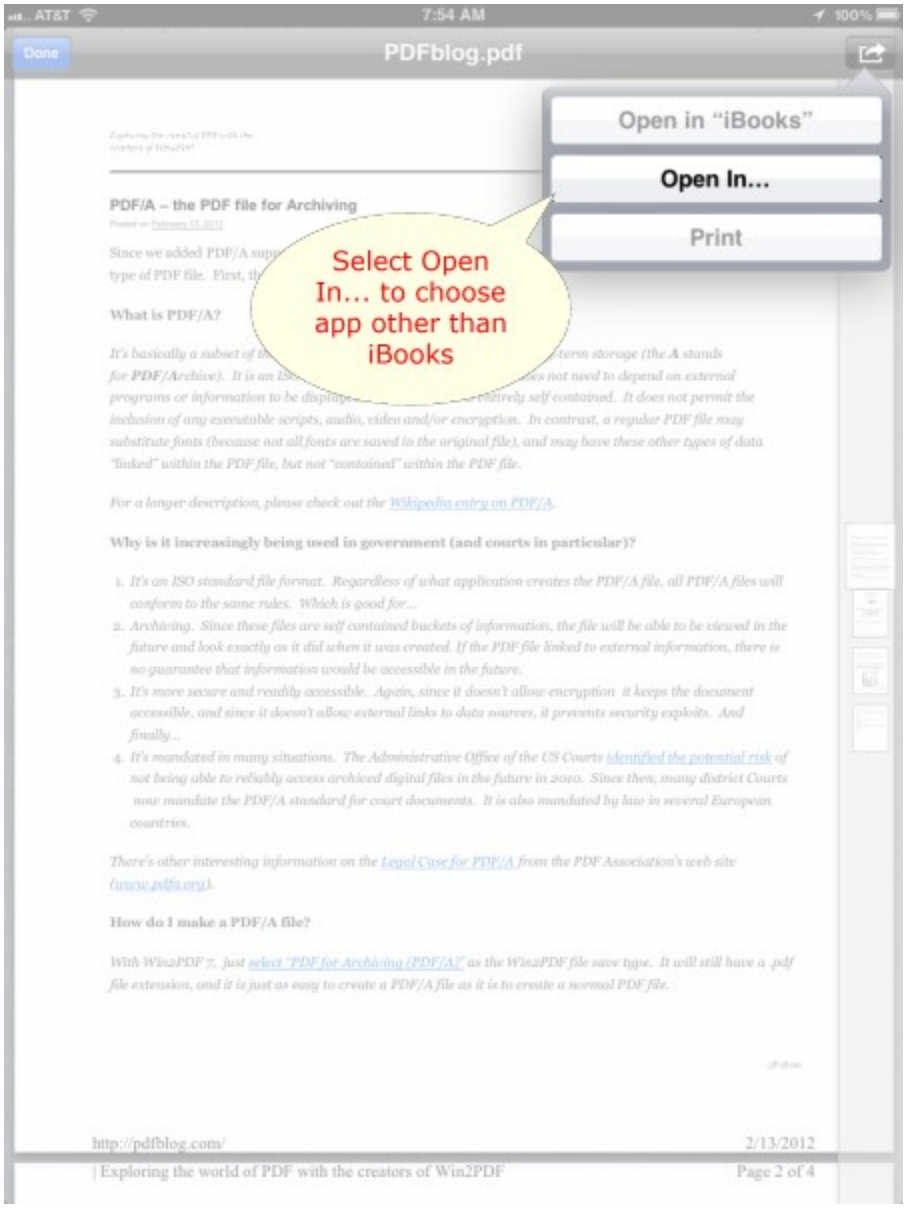

4. If you want to use Adobe Reader, for example, just click on the "Open In..." button and then you will be able to select Adobe Reader from the list of available apps.

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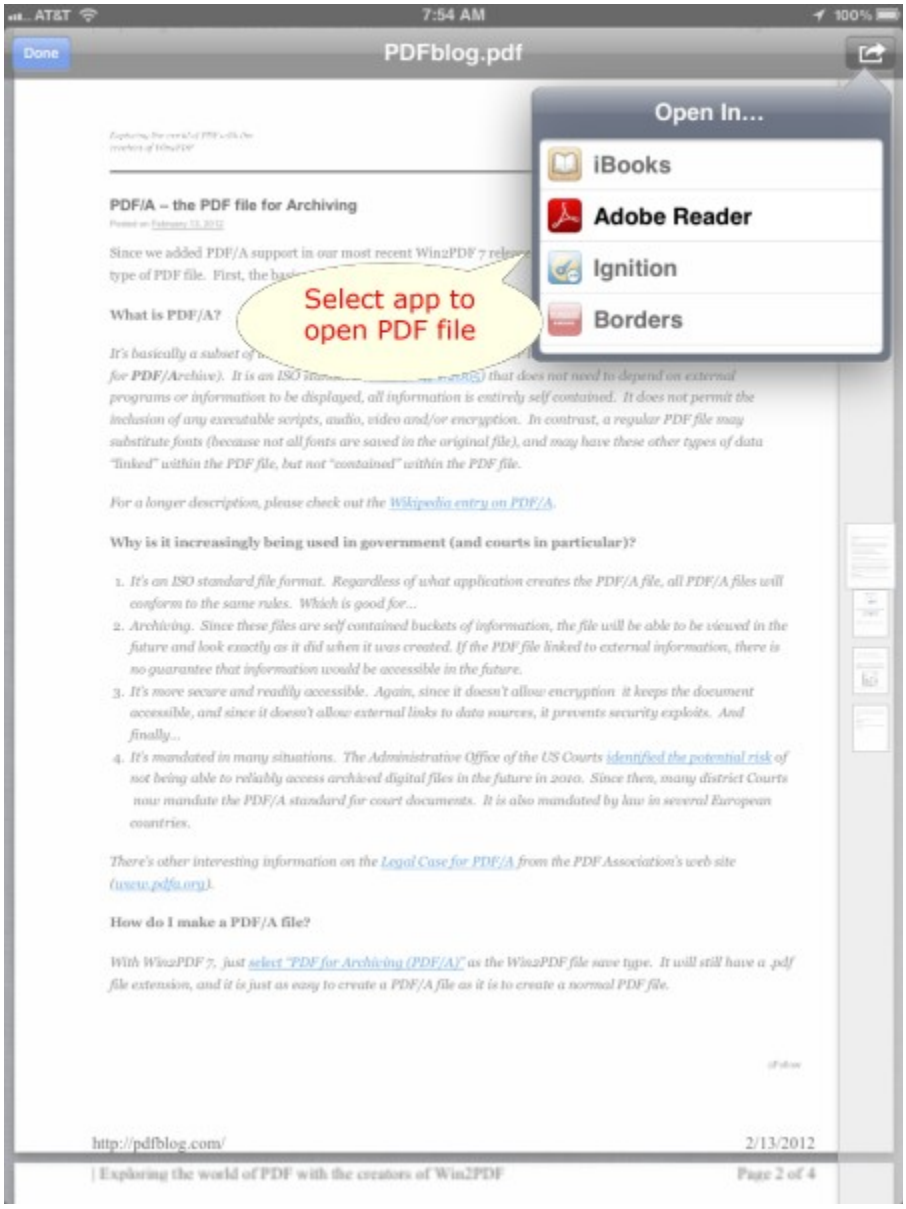

4.2.13 How to Email using web-based email

Win2PDF has a feature to "Send file" that can be enabled on the file save window (see below).

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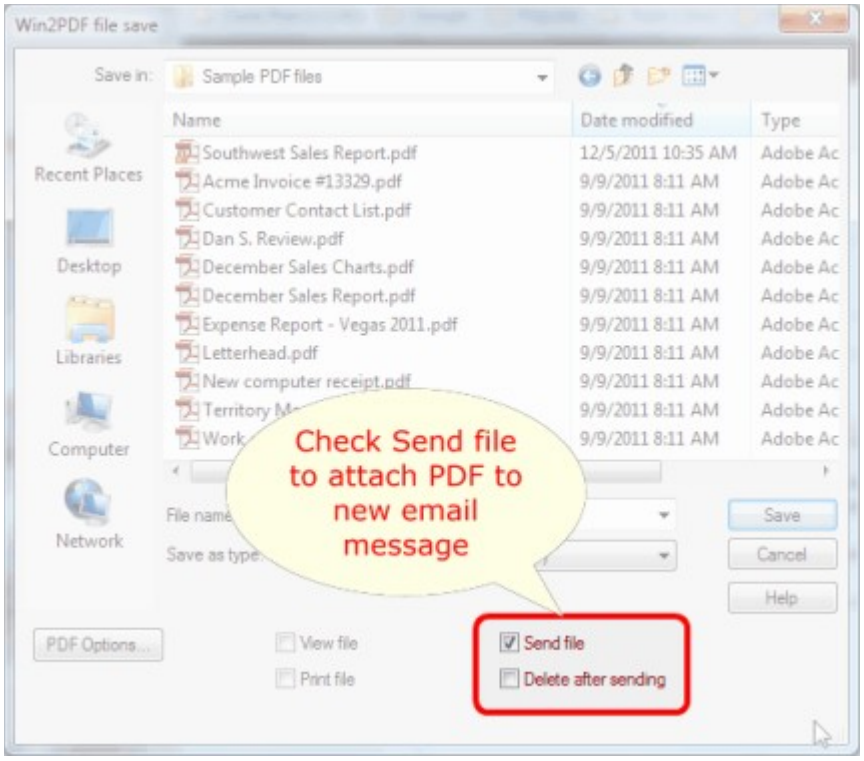

When this option is checked, Win2PDF will create the PDF file and automatically attach it to a new email message using the computer's default MAPI email client (which is typically Microsoft Outlook or Windows Live Mail).

If you do not use a full MAPI email client like Outlook and rely on web-based email, then there is still a way of using this feature using a third-party application.

We recommend a program called Affixa for users that want to use the "Send file" feature with a web-based email program like Gmail, Hotmail, Yahoo mail, or Microsoft Outlook Web Access. Affixa resides in the background and acts as a connector to these web-based email services. When you use the "Send file" feature in Win2PDF it automatically creates a web email message with the PDF attached.

More information on Affixa and its products can be found at www.affixa.com

4.2.14 How to Extract pages from a PDF file

Because Win2PDF installs as printer, it does not have a native editing program. However, you can use the printing capability with a PDF Reader application to extract a page or series of pages in a PDF file. Here is the general procedure to use:

1). Open the original PDF file in Adobe Reader, or in another PDF Reader application

2). Select **'Print'** and choose a range of pages and Win2PDF as the printer

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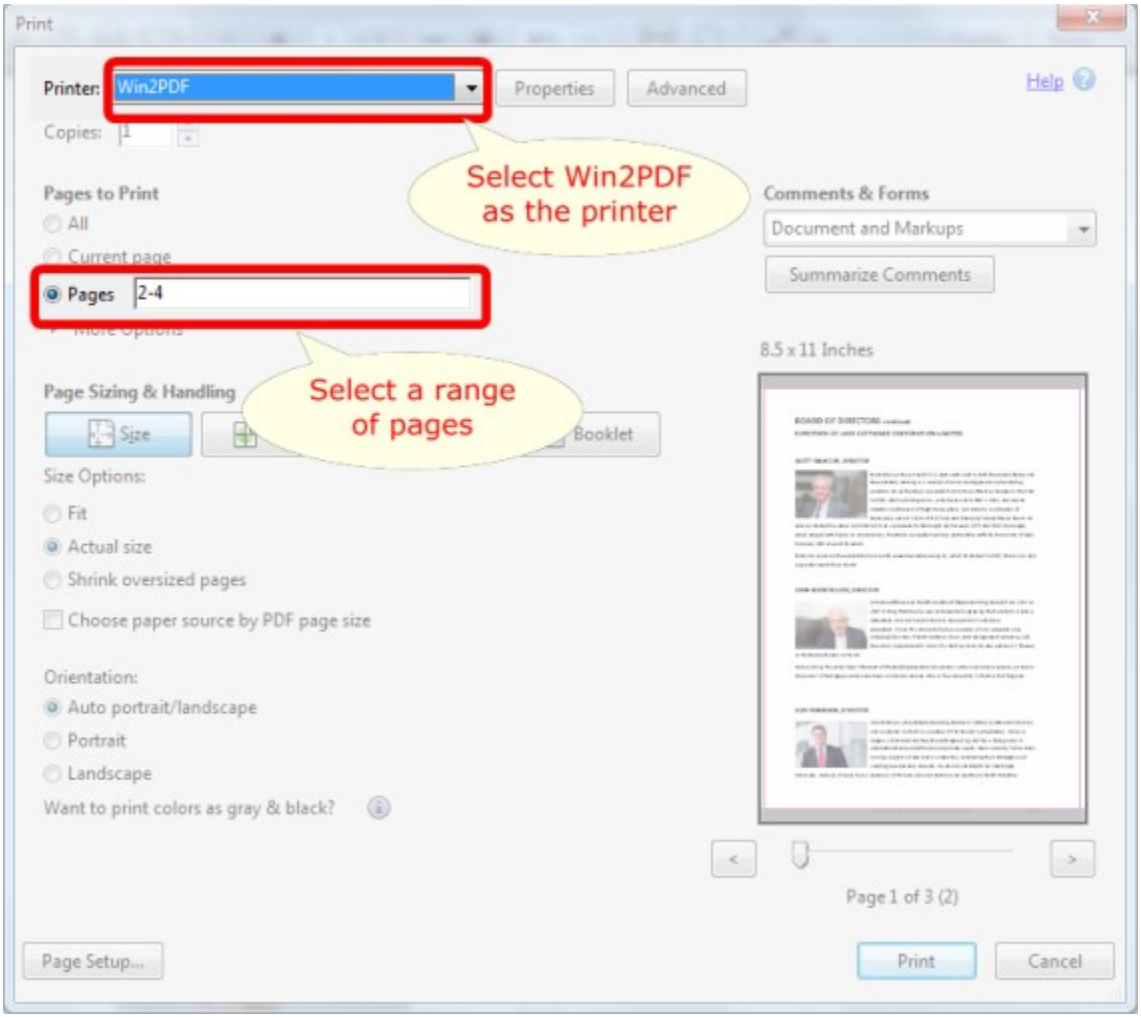

3). Save the results of this subset of pages as a new PDF file (e.g., "newfile.pdf")

Using this technique, you can effectively extract the pages of an existing PDF file and save the results to a new PDF file.

4.2.15 How to Reorder or Rearrange pages in a PDF file

Because Win2PDF installs as printer, it does not have a native editing program. However, you can use the printing capability with a PDF Reader application to reorder or rearrange pages in a PDF file. Here is the general procedure to use:

1). Open the original PDF file in Adobe Reader, or in another PDF Reader application

2). Select **'Print'** and choose a range of pages and Win2PDF as the printer

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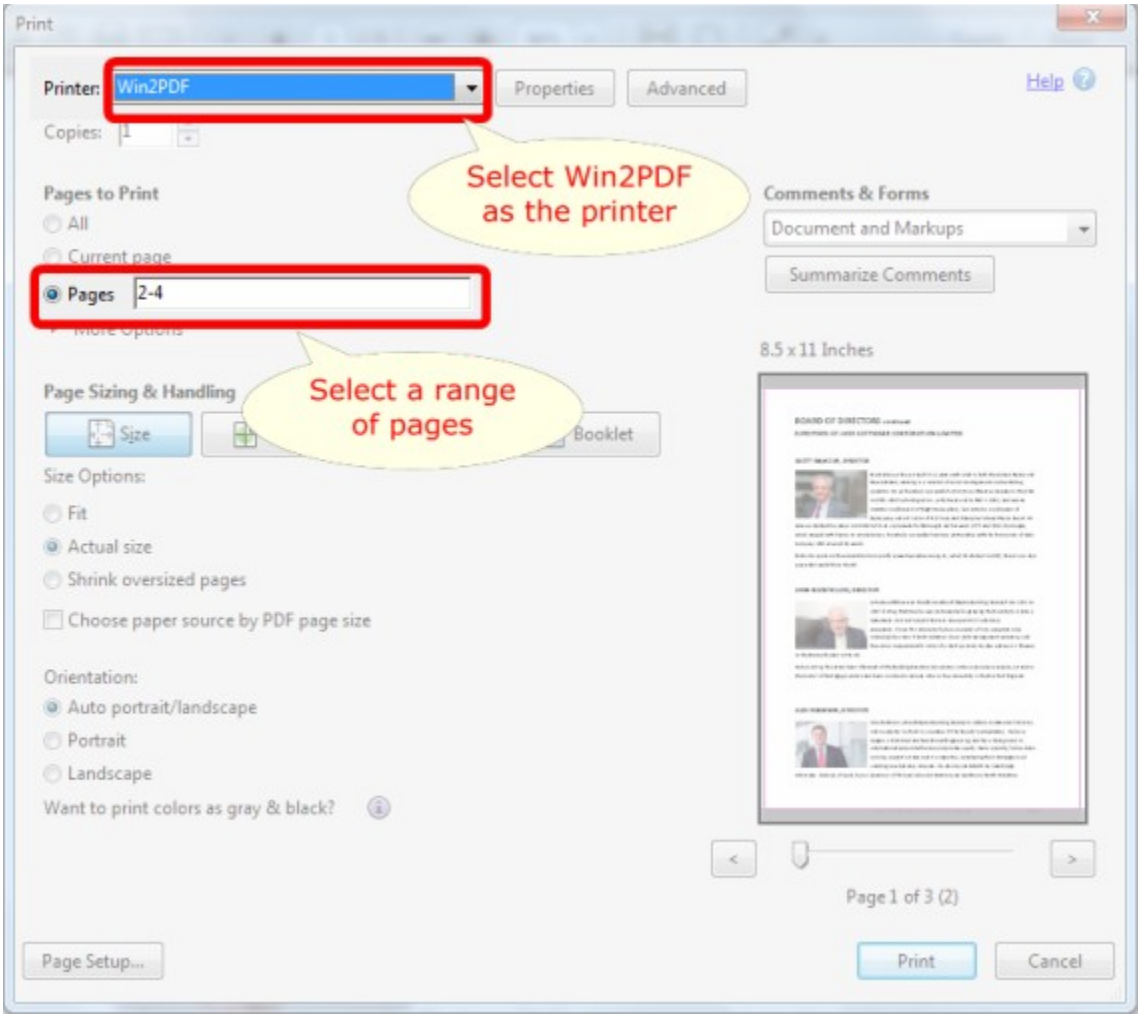

3). Save the results of this subset of pages as a new PDF file (e.g., "newfile.pdf")

4). Repeat step 2) to print a different page or range of pages (note: You can even use a different PDF file)

5). Save the results of the new subset of page(s) and select the **same** file name (e.g., "newfile.pdf")

6). When prompted, you can either append (add to the end) or prepend (add to the beginning) to merge your new pages with the first set of pages you printed.

Using this technique, you can effectively reorder or rearrange the pages of an existing PDF file and save the results to a new PDF file.

4.2.16 How to Combine existing PDF files using Adobe Reader

You can use the printing capability with a PDF Reader application to merge or combine two or more PDF files. Here is the general procedure to use if you wanted to combine "sample1.pdf" and "sample2.pdf" into a new document called "newsample.pdf":

1). Open the "sample2.pdf" file in Adobe Reader

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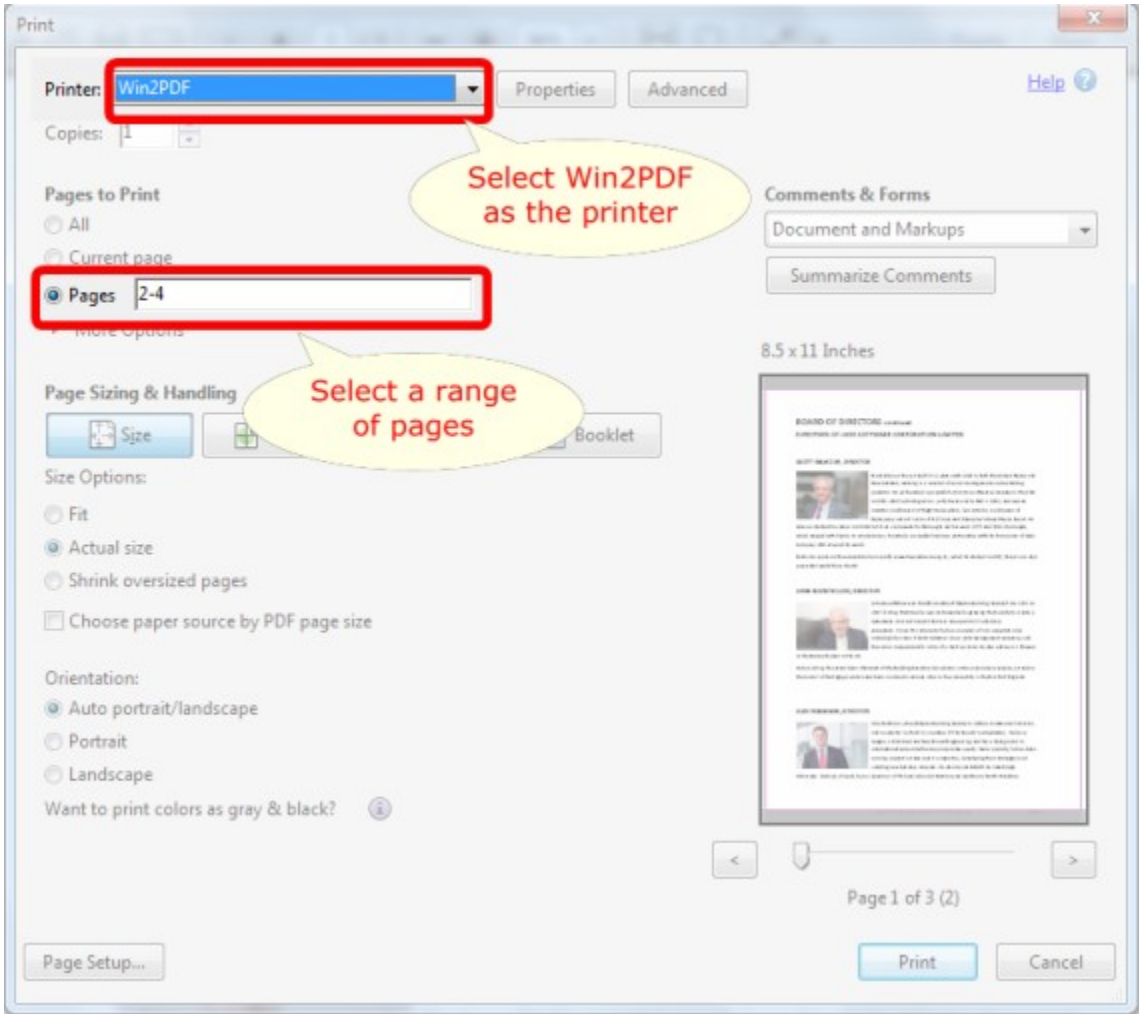
2). Select **'Print'** and choose a range of pages (if desired) and Win2PDF as the printer



3). Save the results of this print and select the first file name -- "sample1.pdf"

4). When prompted, you can either append (add to the end) or prepend (add to the beginning) to merge your new pages with the first set of pages you printed. Select Append and choose the file name "newsample.pdf"

Using this technique, you can effectively combine both files -- "sample1.pdf" and "sample2.pdf" -- into a new PDF file called "newsample.pdf".

4.3 How to Print from a Specific Application

4.3.1 How to Convert a Microsoft Word 2010 Doc to PDF

To print from Microsoft Word 2010, first open the document you wish to convert in Microsoft Word 2010.

Select **'Print'** from the '**File**' menu and choose the printer named Win2PDF, and then

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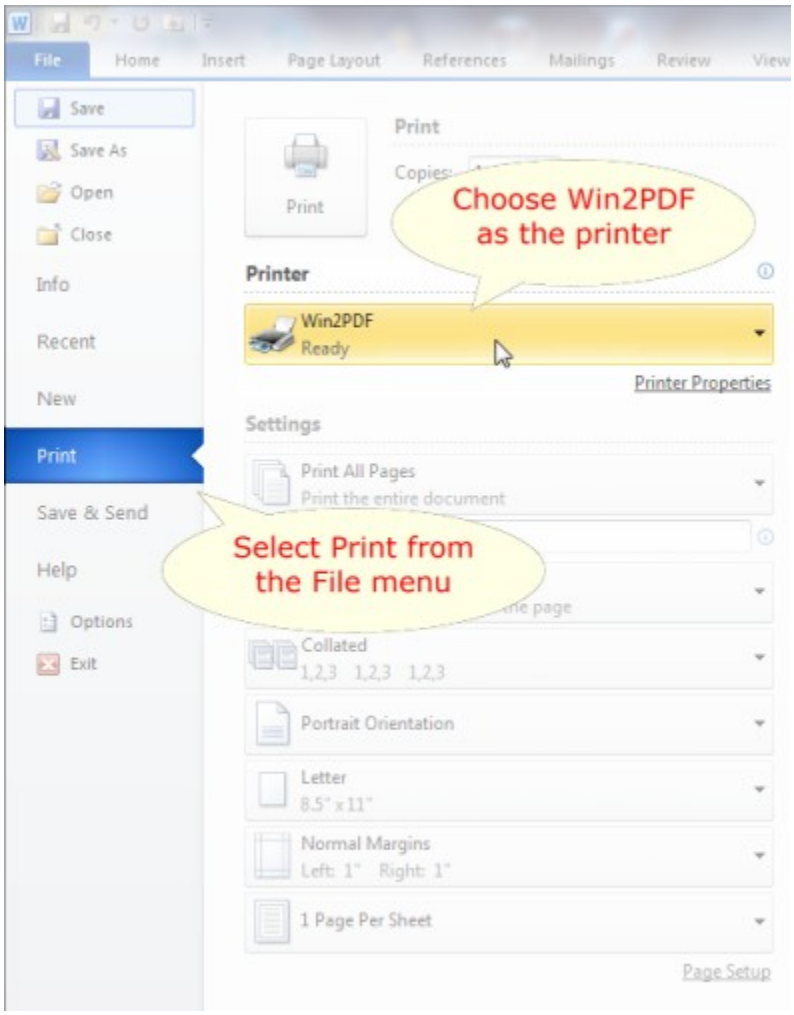
click on the **'Print'** button.



You will then be presented with the Win2PDF file save window, and you can save the .doc or .docx Microsoft Word document as a PDF file.

4.3.2 How to Convert a Microsoft Excel 2010 XLS to PDF

To print from Microsoft Excel 2010, first open the .xls or .xlsx document you wish to convert in Microsoft Excel 2010.

Select **'Print'** from the '**File**' menu and choose the printer named Win2PDF, and then click on the **'Print'** button.

If you are creating a document from an Excel workbook that contains multiple worksheets, selecting the "**Entire workbook**" option from the Excel print dialog will create a separate document for each worksheet. If you would like to have all worksheets in a single document, you can select multiple worksheets before printing to the Win2PDF printer.

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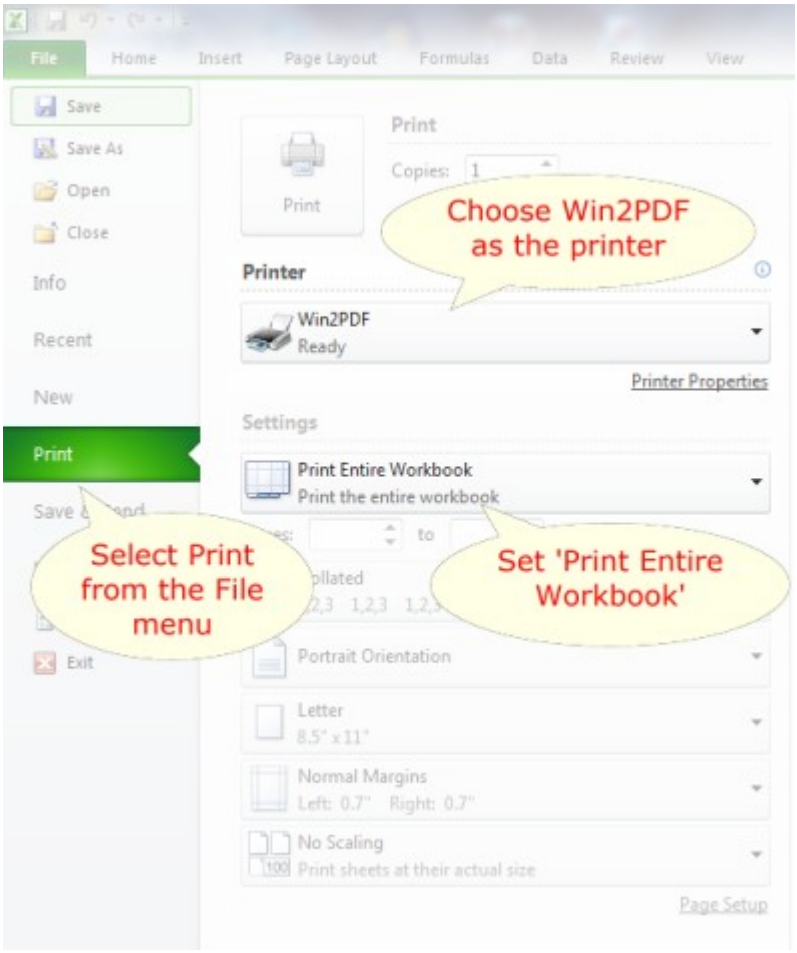

You can select multiple worksheets by holding down the "shift" or "control" key while clicking on the sheet tab. Select the "**Print...**" command from the "**File**" menu and make sure "**Active sheet(s)**" is enabled in the Excel print dialog. More information on selecting multiple worksheets is available at:

http://office.microsoft.com/en-us/assistance/HP052024921033.aspx

Alternatively, if you select "**print to file**" from the Excel print dialog all worksheets will be created in a single document.

4.3.3 How to Convert a Microsoft PowerPoint 2010 PPT to PDF

To print from Microsoft Powerpoint 2010, first open the .ppt or .pptx document you wish to convert in Microsoft PowerPoint 2010.

Select **'Print'** from the '**File'** menu and choose the printer named Win2PDF, and then click on the **'Print'** button.

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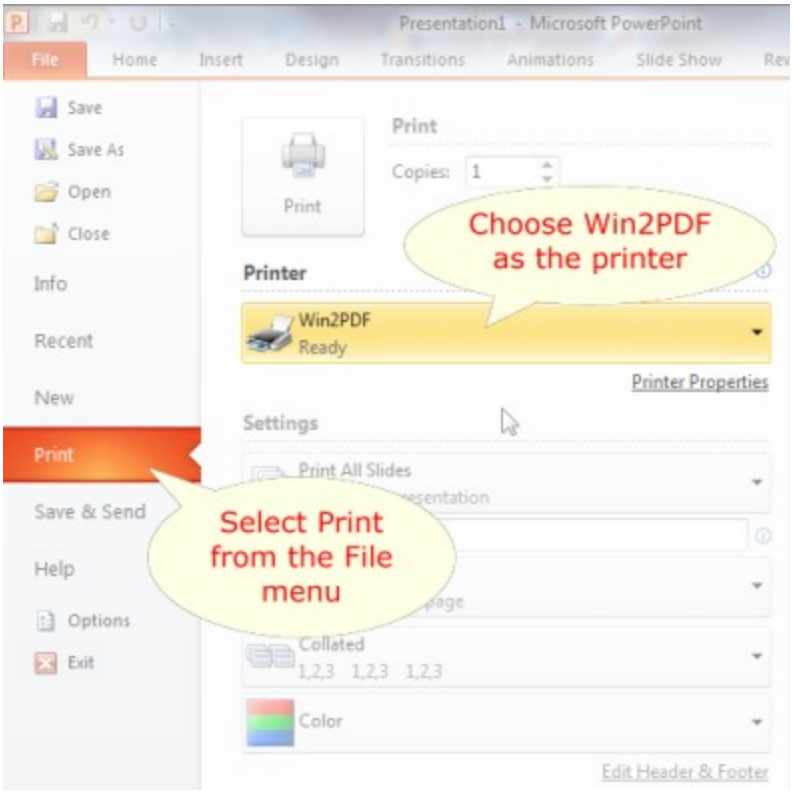

You will then be presented with the Win2PDF file save window, and you can save the .ppt or .pptx Microsoft PowerPoint document as a PDF file.

4.3.4 How to Convert a Microsoft Publisher 2010 PUB to PDF

To print from Microsoft Publisher 2010, first open the .pub document you wish to convert in Microsoft Publisher 2010.

Select **'Print'** from the '**File**' menu and choose the printer named Win2PDF, and then click on the **'Print'** button.

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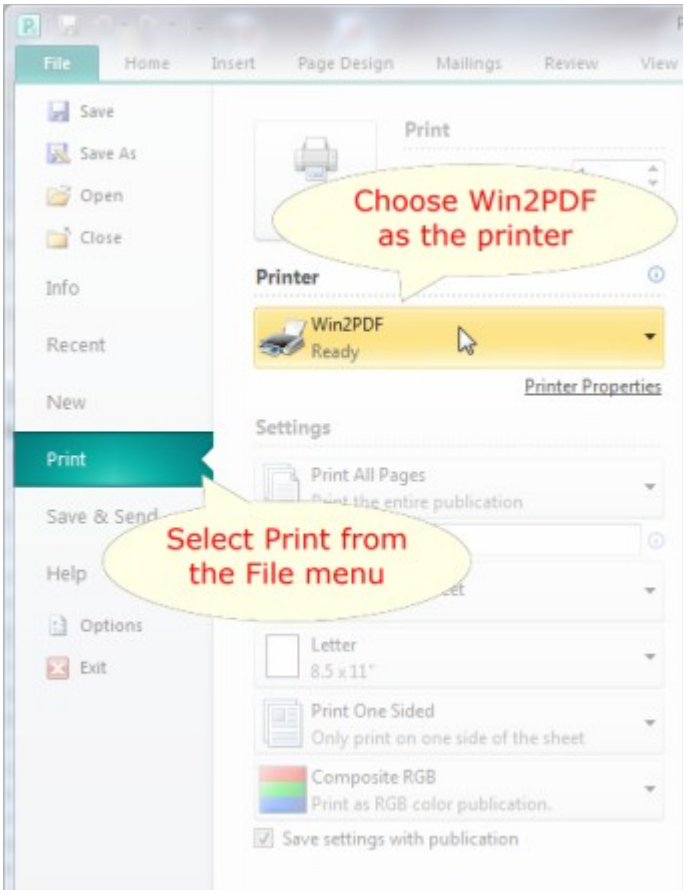

You will then be presented with the Win2PDF file save window, and you can save the .pub Microsoft Publisher document as a PDF file.

4.3.5 How to Convert a Microsoft Outlook 2010 email to PDF

To print from Microsoft Outlook 2010, first open the email you wish to convert.

Select **'Print'** from the '**File'** menu and choose the printer named Win2PDF, and then click on the **'Print'** button.

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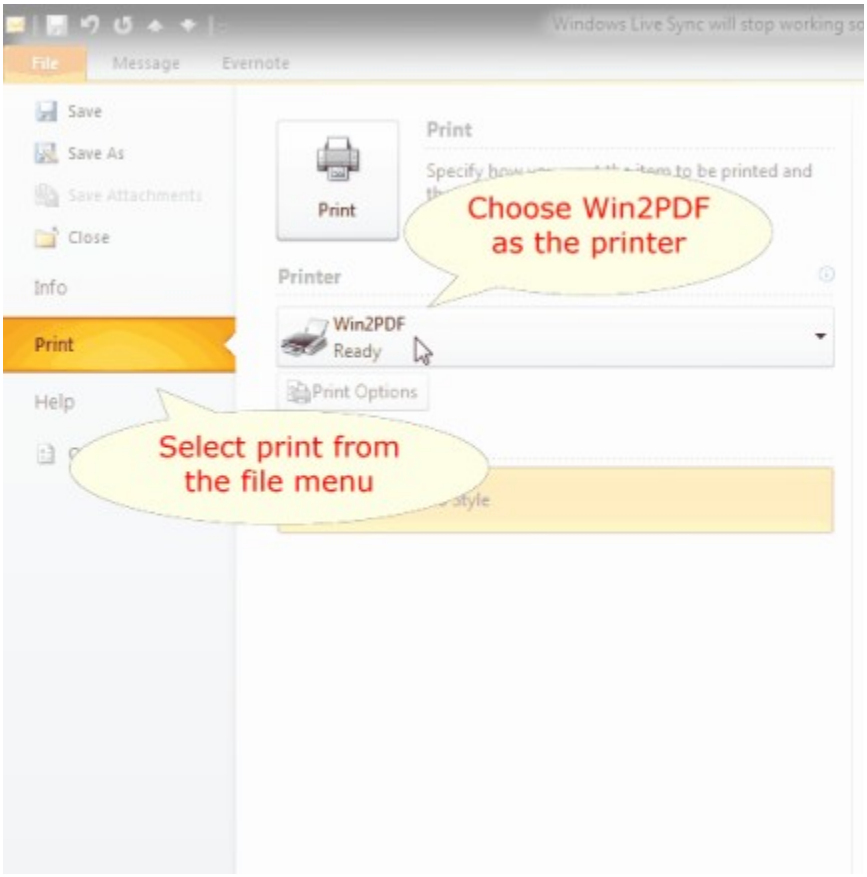

You will then be presented with the Win2PDF file save window, and you can save the email as a PDF file.

4.3.6 How to Convert a Windows Live email to PDF

To print from Microsoft Outlook 2010, first open the email you wish to convert.

Select **'Print'** from the '**File'** menu and choose the printer named Win2PDF, and then click on the **'Print'** button.

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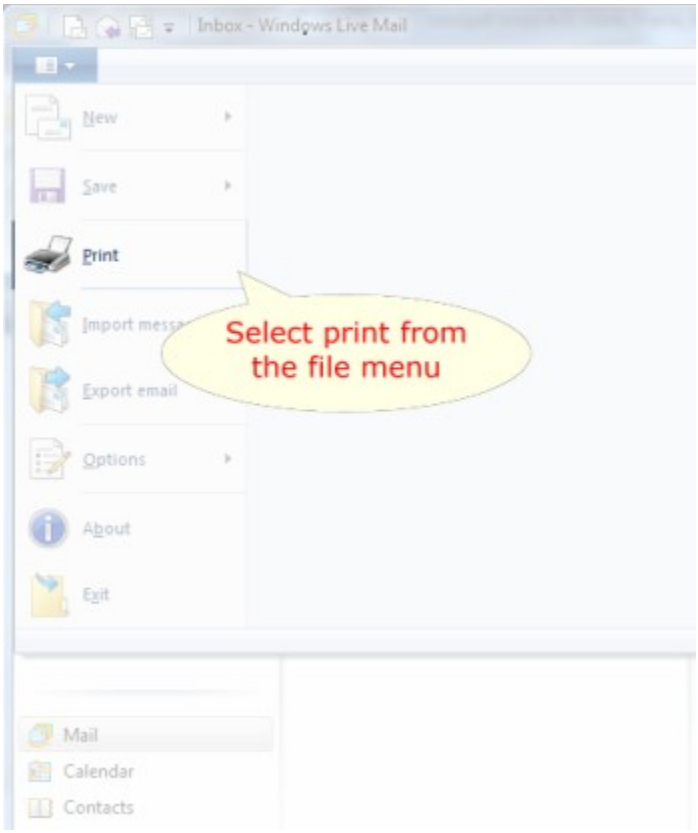

You will then be presented with the Win2PDF file save window, and you can save the email as a PDF file.

4.3.7 How to Convert HTML files to PDF

To convert HTML files to a PDF document, you'll just need to open and print to Win2PDF using any Windows browser (e.g., Internet Explorer, Firefox, Chrome, etc.).

First, open the HTML file or load the web site page in your browser window. Then select **'Print...'** from the web browser's File menu.

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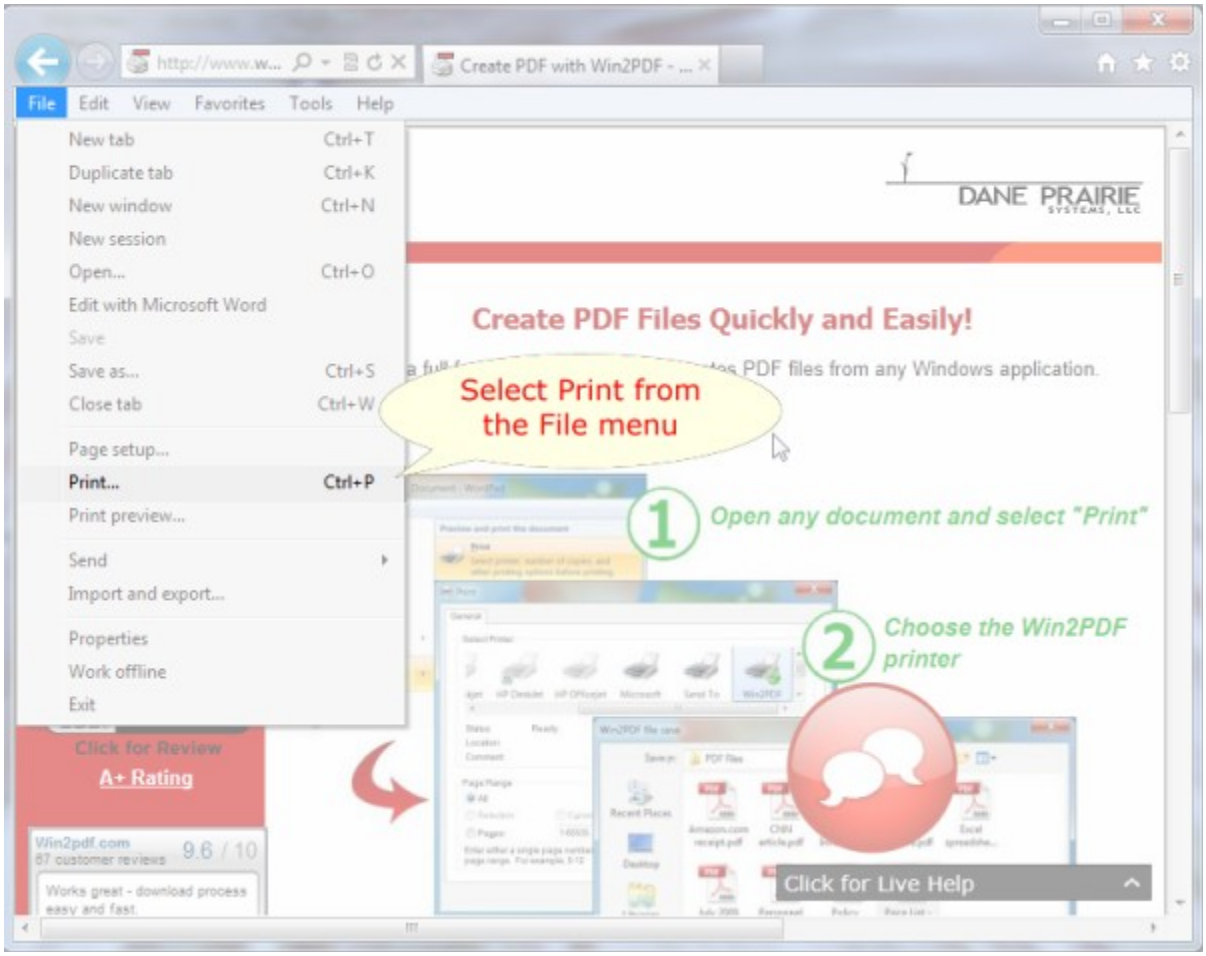

You will then be able to convert the HTML web page to a PDF copy of the page on your local hard drive.

4.3.8 How to Convert an Internet Explorer page to PDF

To convert HTML files to a PDF document, you'll just need to open and print to Win2PDF using any Windows browser (e.g., Internet Explorer, Firefox, Chrome, etc.).

First, open the HTML file or load the web site page in your browser window. Then select 'Print...' from the web browser's File menu.

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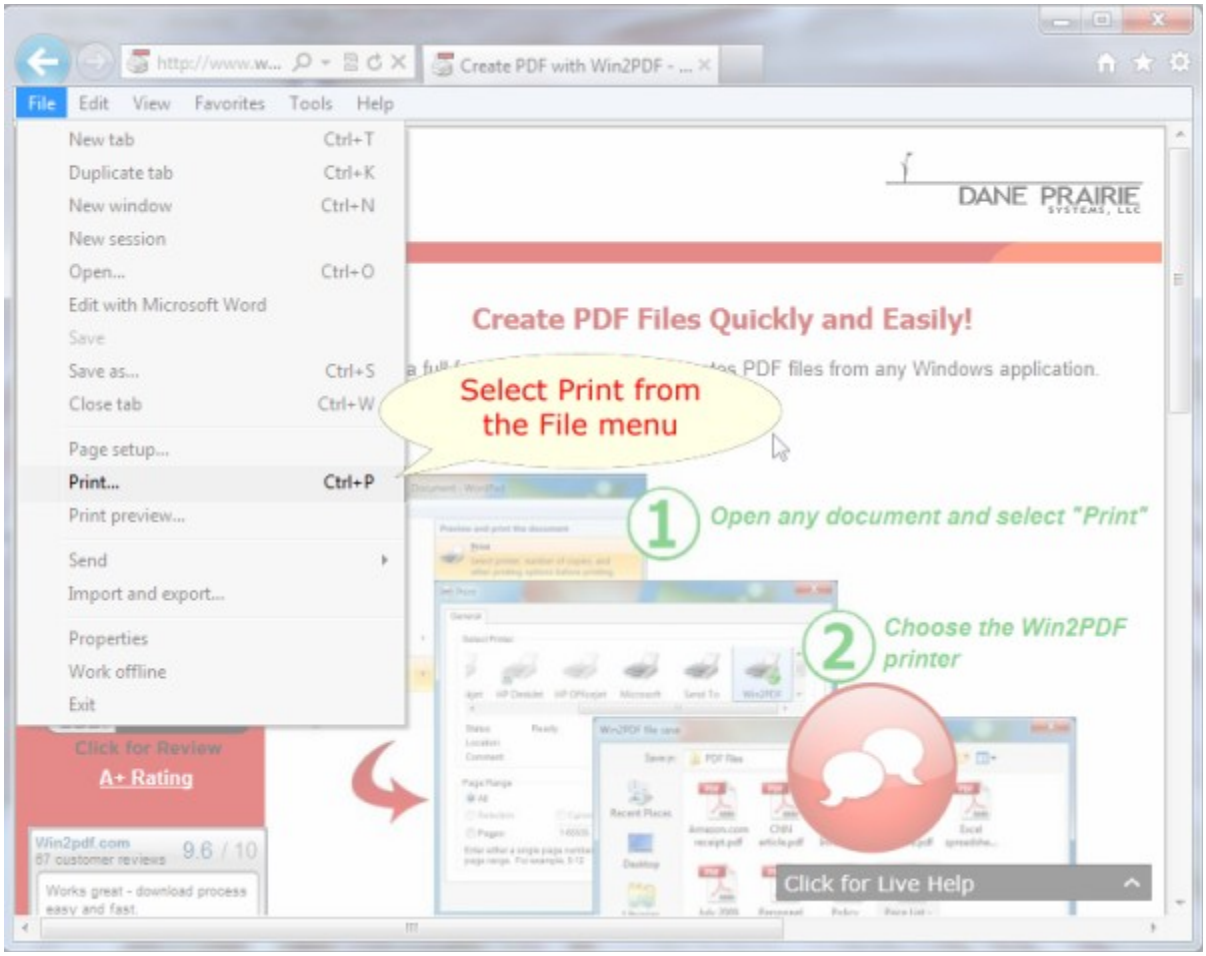

You will then be able to convert the HTML web page to a PDF copy of the page on your local hard drive.

4.3.9 How to Convert an AutoCAD DWG to PDF

In AutoCAD, plot to a PDF as follows :

Command '**PLOT**'.

- Select '**Plot Device**' Tab.
- In the '**Plotter Configuration**' frame, click the '**Properties...**' button.
- A new dialog box opens.
- Select '**Device and Document Settings**' tab.
- If necessary highlight '**Custom Properties**' in the tree.
- Click the '**Custom Properties**' button.
- A new dialog box opens.

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- Select the '**Paper Orientation**' (Note A).
- Click the '**Advanced...**' button.
- A new dialog box opens.
- Highlight '**Paper Size**' in the tree.
- Select the paper size from the drop-down list. This is an important step. (Note B)
- Click '**OK**' 3 times to close the dialog boxes and save to a .pc3 file if necessary.
- Back in the AutoCAD plot dialog, select the '**Plot Settings**' tab. In the '**Paper Size...**' frame the paper size should have changed to the value set earlier at (Note B). Do **not** change the paper size here as this may produce inconsistent rotations, sizes and offsets. In the '**Drawing Orientation**' frame select '**Portrait**' or '**Landscape**'. Note that this orientation selection overrides orientations that were set at (Note A) or (Note B).
- Click '**OK**' to plot.

4.4 How to use the Win2PDF Admin Utility

4.4.1 How to Install the Win2PDF Admin Utility

The Win2PDF Admin Utility is a free download used for managing Win2PDF settings, disabling Win2PDF features, setting defaults for all users, setting automatic email and file save features, and troubleshooting.

To download this software, visit the Win2PDF Admin Utility page in our technical support section.

Once you have downloaded this file, double-click the setup file to install.

After it has been installed, you will be able to access the Win2PDF Admin Utility by going to:

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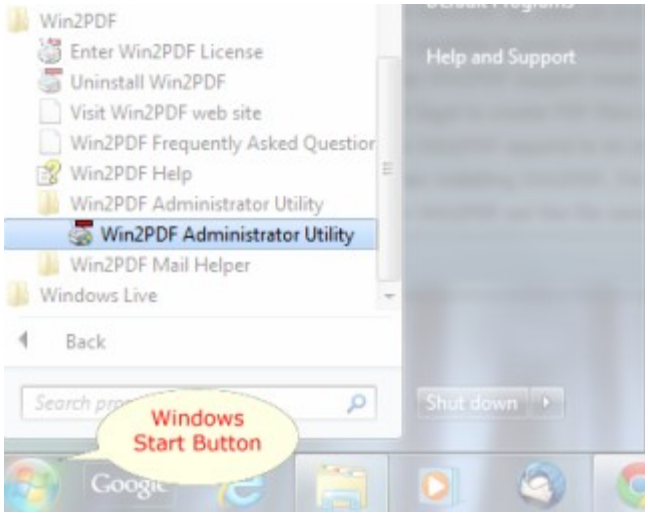
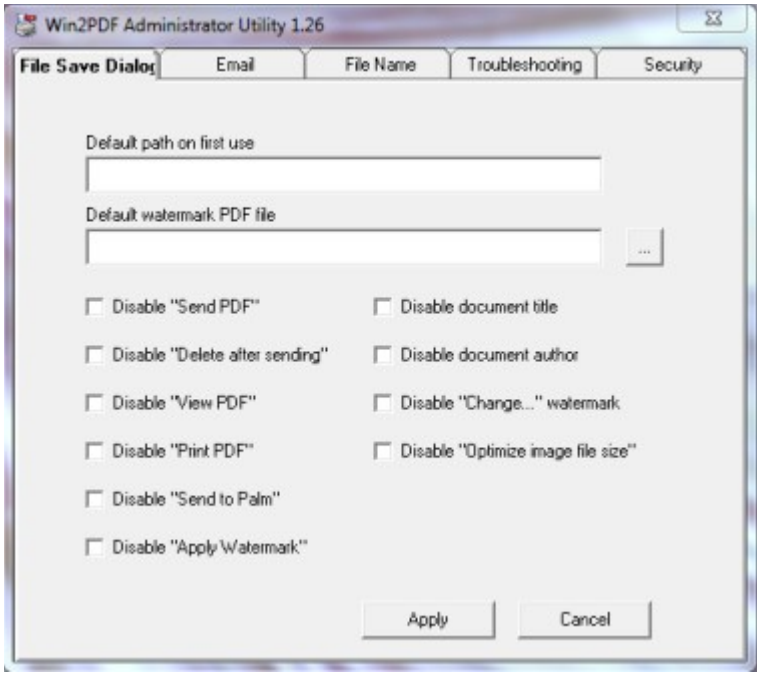
"**Start->Programs->Win2PDF->Win2PDF Admin Utility->Win2PDF Admin Utility**"



4.4.2 How to Manage file save window settings

The first tab of the Win2PDF Admin Utility allows you to set defaults for the initial default path and watermark (Win2PDF Pro feature only), and to customize the options that are available on the main Win2PDF file save window.



Default path on first use: this is the location that Win2PDF will use for the initial file save location. You will need to enter the full path in this box (e.g., "C:\Users\Bob \Documents"). You can use environment variables such as "%USERPROFILE%

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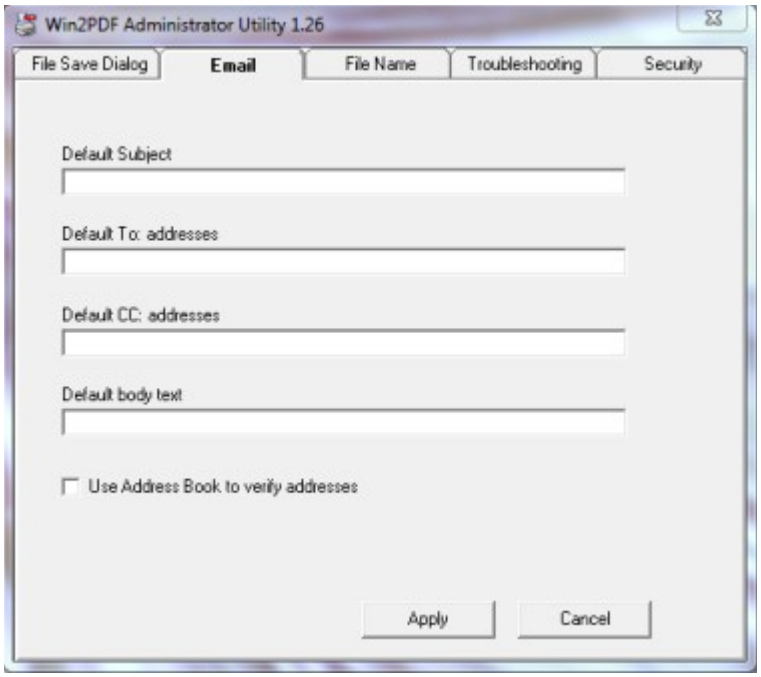
\Documents\PDF Files". This value will only be used the first time that the Win2PDF file save window appears. If the user changes the save to folder through the interface, Win2PDF will remember that new location on the next use. This file location is saved with respect to each application (e.g., Word files will always save to the last saved location for Word prints, Excel files will always be saved to the last save location for Excel prints, etc.)

Default watermark PDF file: [Win2PDF Pro feature only] This allows you to set the default watermark PDF file. This fill will always be set until the user changes the file, and then the new file will be remember for successive uses (until change). If you click on the [...] button, you will be able to browse and select the default watermark PDF file.

Disable [feature]: When any of these options are checked, the feature will be disabled ("grayed out") in the Win2PDF file save window. For example, if you checked the "Disable Send PDF" option, the user would not be able to change this option through the main Win2PDF file save window interface.

4.4.3 How to Manage email settings

The second tab of the Win2PDF Admin Utility allows you to set email options that are used when the "Send PDF" option is enabled on the Win2PDF file save window.



Default subject: the default subject line that will be filled in on the new email message (e.g., " - The PDF file you requested is attached"). The PDF file name is automatically added to the beginning of the subject line, so the previous example would be expanded to something like "Invoice.pdf - The PDF file you requested is attached".

Default To: addresses: list of To: email address to be automatically set in the new email message. The value can be a single email address in the form "someone@somedomain.com", or multiple recipients separated by semicolon ';' or

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comma ',' characters.

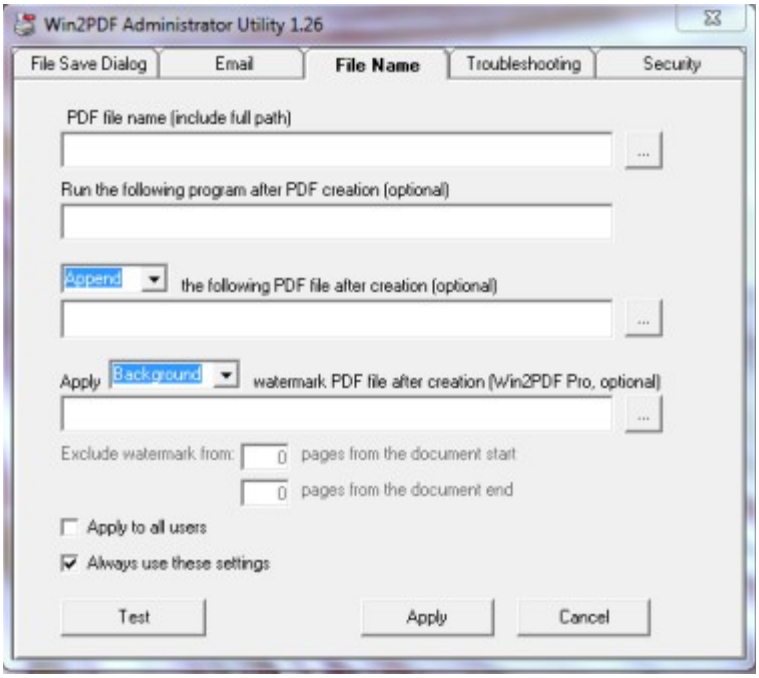
Default CC: addresses: list of CC: (carbon copy) email address to be automatically set in the new email message. The value can be a single email address in the form "someone@somedomain.com", or multiple recipients separated by semicolon ';' or comma ',' characters.

Default body text: the default body text in the new email message (e.g., "Please find the attached PDF file. Thanks.")

Use Address Book to verify addresses: When this option is checked, the list of email addresses will be checked against your current address book. This can improve the reliability of sent email in some environments, but may cause the email client to display a warning window.

4.4.4 How to Manage file name settings

The third tab of the Win2PDF Admin Utility allows you to set default file name options, and to set merging and watermark features to the file save.



PDF file name (include full path): Use the [...] button to browse for an existing PDF file, or use the %PDFTitle% variable to pick up the file name from the original document. For example, if you want to place the files in a folder named "PDF Files" on your "C:" drive, you would type the following in the Admin Utility:

```
c:\PDF Files\%PDFTitle%.pdf
```

The current date and time can be added to the file name using the %PDFDate% and %PDFTime% environment variables in a similar manner. If an existing PDF file with the same name exists in the folder, it will be overwritten. To prevent files from being overwritten, append a "*" character to the name as in:

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```
c:\PDF Files\%PDFTitle%*.pdf
```

This will append a number to the PDF file if an existing PDF file is already in the destination folder.

If you wanted to save the file as a different file type, like .xps or .tif, you just need to add the appropriate file extension in this box (e.g., substitute `c:\TIFF Files\%PDFTitle%.tif` in the above example). To save a file as PDF/A, add a .pdfa extension to the file. The file created will have a .pdf extension, but it will be in the PDF/A format.

Make sure to check the "Always use these settings" before clicking apply. You will have to run the Win2PDF Admin Utility again and remove the file name when you want to create PDF files interactively.

Run the following program after PDF creation (optional): this setting allows you automatically launch a program after the PDF file has been created. For example, if you wanted to add the PDF file to a document management program, you'd just need to specify the command line to this program in this area.

[Append/Prepend/Overlay] the following PDF file after creation (optional): the settings allows you to automatically add an existing PDF file to the beginning of your PDF file (Prepend), or to the end of your PDF file (Append), or merged together on the same page (Overlay).

Apply [Background/Foreground] watermark PDF file after creation (Win2PDF Pro, optional): this setting allows you to automatically apply a watermark PDF file. When set to [Background], the PDF file will be placed "under" the new printed PDF file results (useful for setting a company letterhead, for example). When set to [Foreground], the PDF file will be placed "on top" of the new printed PDF file results (useful for applying a watermark that says "Confidential", for example).

The **Exclude watermark from** settings allows you to see pages at the beginning or end of the new document where the new watermark will not be applied. For example if you had a cover page (which should not have a watermark) followed by a 20 page report (which should have the watermark), you can set the value to be *Exclude watermark from: 1 pages from the document start.*

Apply to all users - when this option is checked, the settings apply to all users on the PC or server. If it is unchecked, the settings only apply to the current user.

Always use these settings - when this option is checked, the settings will be used until the Win2PDF Admin Utility is run and the settings are cleared. If this option is unchecked, the settings only apply to the next document created.

Test - Button allows you to test create a PDF file with the file name and settings you've configured.

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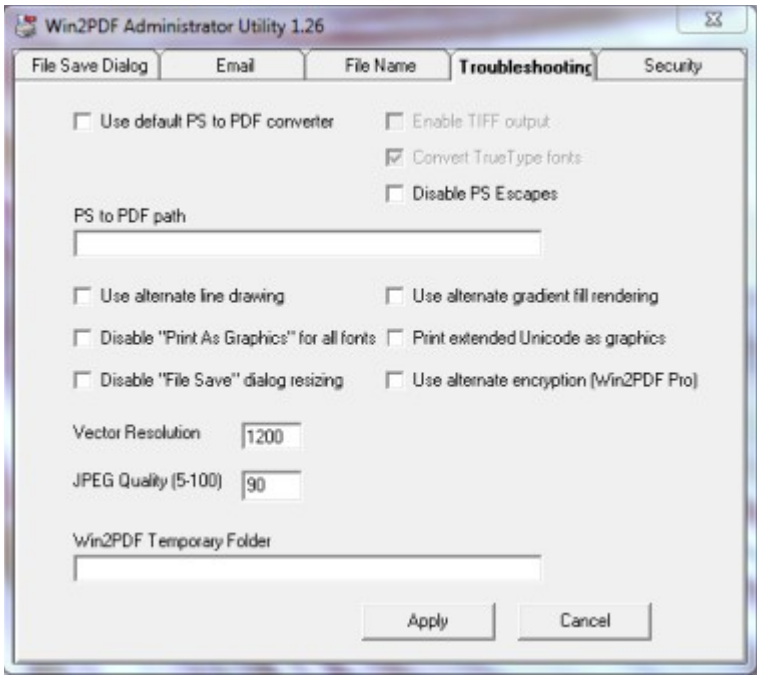
4.4.5 How to Enable troubleshooting options

The fourth tab of the Win2PDF Admin Utility allows you to set various troubleshooting options. **Use these options only when directed by Win2PDF's technical support group.**



4.4.6 How to Manage security settings

The fifth tab of the Win2PDF Admin Utility allows you to set default security options. These options are ONLY applicable to the Win2PDF Pro and Win2PDF Pro Terminal Server Edition (TSE) versions of the software.

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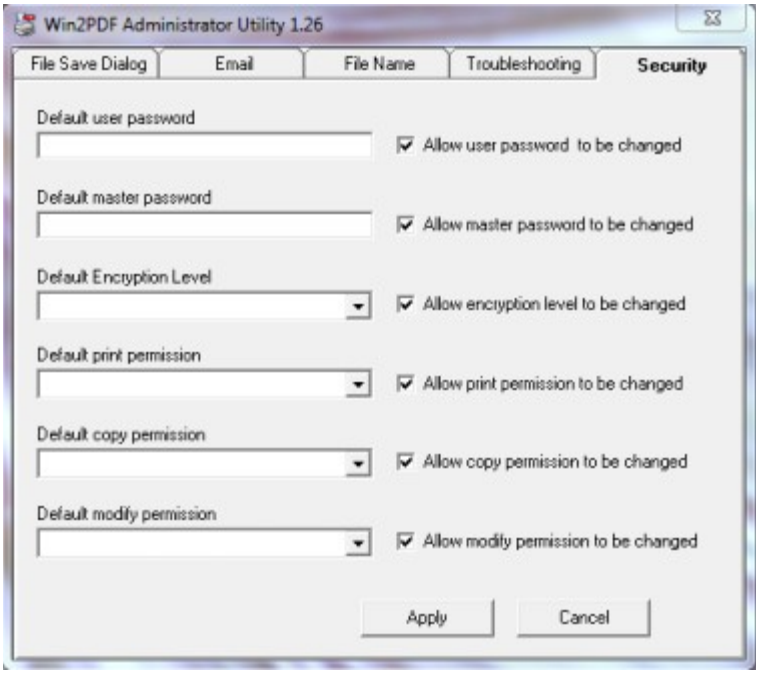

Default [feature]: These boxes allow you to set default passwords or other security features in the Win2PDF file save window.

Allow [feature] to be changed: When these checkboxes are enabled ("checked"), it will allow the user to change these values in the Win2PDF file save window. When these checkboxes are disabled ("unchecked"), it will not allow the user to change these values. The features will appear "grayed out" in the interface.

4.5 How to use the Win2PDF Mail Helper Utility

4.5.1 How to install the Win2PDF Mail Helper Utility

The Win2PDF Mail Helper application is an optional SMTP mail client that integrates with Win2PDF and supports sending email with or without user interaction. This application can be downloaded from the Win2PDF support download site at:

http://helpdesk.win2pdf.com/index.php?/Knowledgebase/Article/View/189/15/win2pdf-mail-helper-download

After you have downloaded this file, double-click on it and it will install to your PC.

4.5.2 How to configure the Win2PDF Mail Helper Utility

You can open the Win2PDF Mail Helper Utility by going to:

Start -> Programs -> Win2PDF -> Win2PDF Mail Helper

(for Windows XP, Vista, and Windows 7 users), or

by accessing the "Configure Win2PDF Mail Helper" start tile in Windows 8.

Once opened, the user interface will look like this:

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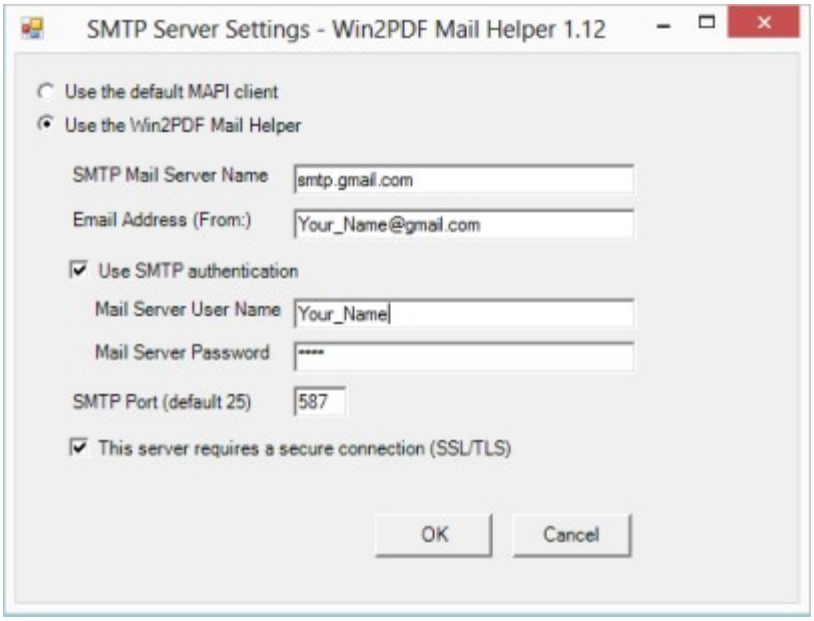

If "**Use the default MAPI client**" is selected, Win2PDF will send the email using the default email program (typically Microsoft Outlook, Windows Live Mail, Thunderbird, or other native Windows Mail application) installed on the computer. This is the default option.

If "**Use the Win2PDF Mail Helper**" is selected, Win2PDF will use the Win2PDF Mail Helper to send the email. This will bypass the default Windows email program on your PC like Outlook, Windows Live Mail, or Thunderbird.

To use the Win2PDF Mail Helper with **GMail**, set the following:

- "**SMTP Mail Server Name**" set to "**smtp.gmail.com**"
- "**Use SMTP authentication**" is checked, and user name and password set using your GMail email address including @gmail.com and password.
- "**SMTP Port**" set to "**587**", and
- "**This server requires a secure connection (SSL/TLS)**" should be checked.

To use the Win2PDF Mail Helper with **Yahoo Mail**, set the following:

- "**SMTP Mail Server Name**" set to "**smtp.mail.yahoo.com**".
- "**Use SMTP authentication**" is checked, and user name and password set using your Yahoo email address including @yahoo.com and password.
- "**SMTP Port**" set to "**465**", and
- "**This server requires a secure connection (SSL/TLS)**" should be checked.

To use the Win2PDF Mail Helper with **Windows Live Hotmail or Outlook.com**, set the following:

- "**SMTP Mail Server Name**" set to "**smtp.live.com**"
- "**Use SMTP authentication**" is checked, and user name and password set using

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your Windows Live Hotmail email address including @live.com, @hotmail.com, or @outlook.com and password.
- o "**SMTP Port**" set to "**587**", and
- o "**This server requires a secure connection (SSL/TLS)**" should be checked.

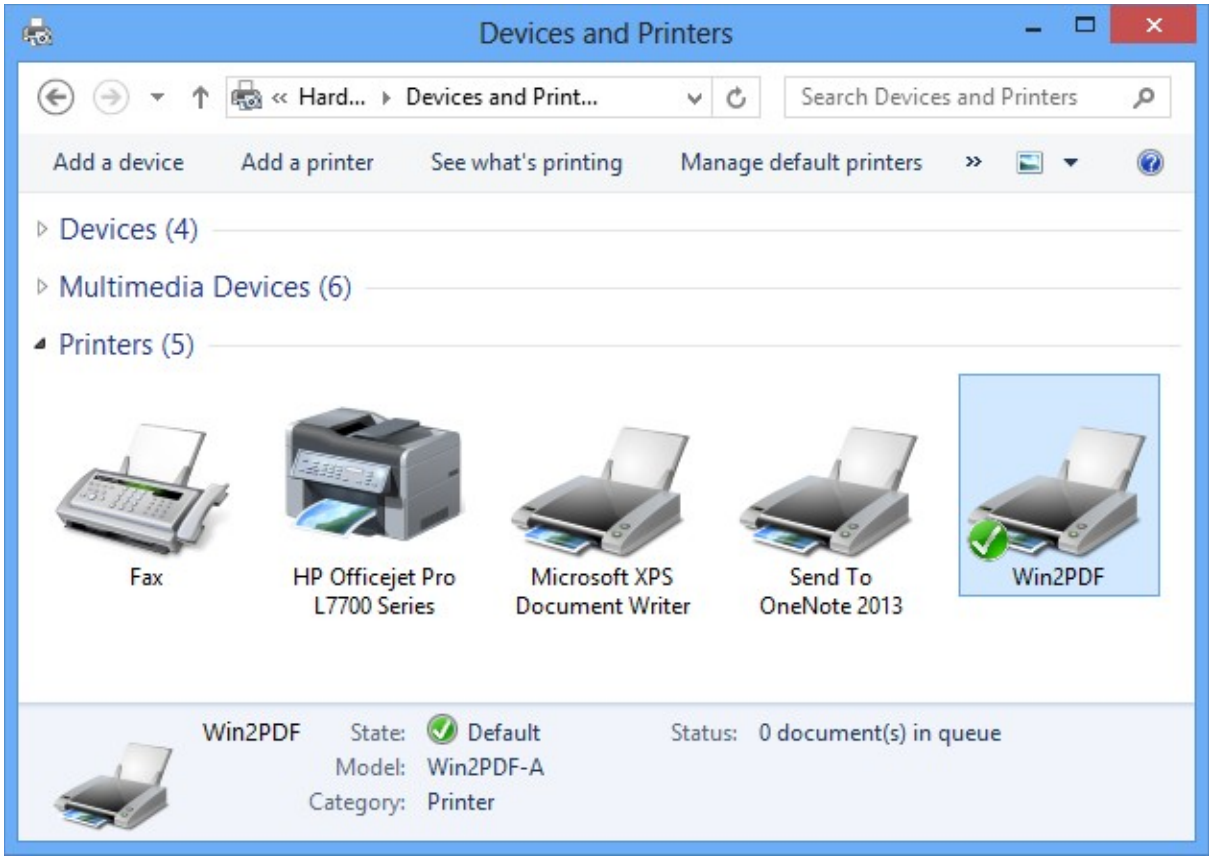
4.6 How to use Win2PDF with Windows 8

4.6.1 How to install Win2PDF with Windows 8

Win2PDF 7.5 is available for download from our Win2PDF download page. This version of Win2PDF will support Windows 8 on all Intel-based computers.

Currently, Win2PDF will not work with the **Windows 8 RT** version for ARM-based devices.

To install Win2PDF, download and run the Win2PDF setup program. After you run the setup program, you will have a new printer in the "Devices and Printers" folder named "**Win2PDF**".



If you are evaluating Win2PDF, you can start creating PDF documents immediately. The evaluation version is fully functional, but every document will have an extra trailer page with Win2PDF product information. Also, a registration reminder dialog will

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occasionally display.

The Win2PDF Pro install program can only be downloaded after you purchase the product, and the download link will be included in your purchase receipt. If you already have Win2PDF evaluation version installed, you do not need to uninstall Win2PDF before running the Win2PDF Pro install program.

If you have purchased Win2PDF, you can enter your license code by following the instructions in "Entering the Win2PDF license code".

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4.6.2 How to license Win2PDF with Windows 8

To enter the license code on a Windows 8 PC or tablet you'll first need to find the "**Enter Win2PDF License**" app from the Windows 8 Start screen. You can either locate it visually as a tile on your Start screen, or you can use the Search charm to find this application. Here is a short video showing how the "Enter Win2PDF License" app is used to license your copy of Win2PDF.

How to license your copy of Win2PDF in Windows 8

Once you start the "**Enter Win2PDF License**" app, the following window will appear.

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Click on the "**Enter license code**" button, and enter your name, company, and registration code exactly as they are listed in your email receipt.

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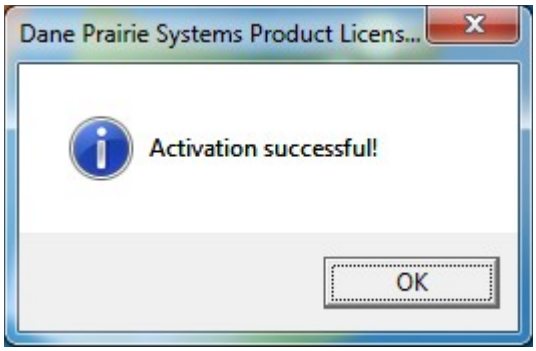
If you entered the information correctly, you should see a success message as follows.



New documents created by Win2PDF will no longer include the trailer page on each document.

4.6.3 How to print to a PDF file with a Windows 8 desktop app

Creating a PDF, XPS, TIFF, or SVG File from a Windows 8 desktop application works the same as it did with Windows 7, Vista, or XP applications.

Here's a short video that shows Win2PDF creating a PDF file from a Windows 8 desktop app:

How to print to Win2PDF from Windows 8 desktop apps

4.6.4 How to print to a PDF file from a Windows 8 style app

The key differences with printing to Windows 8 style apps are:

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1. Printers are accessed as **Devices**, which can be found in the **Charm bar**. You can access the **Charm bar** by moving the cursor to the right side of the screen and swiping up in a Windows 8 style app.
2. From **Devices**, you choose the printer named '**Win2PDF**' and then print. Immediately after printing, you will receive a notification in the upper right corner of the screen. "*The printer requires your attention. Go to the desktop to take care of it.*"
3. Click on this notification. This will bring you to the desktop where you will see the normal Win2PDF file save window.
4. Then you can set the file name and save the PDF as you normally would. If you click 'View file' and your default PDF viewer is a Windows 8 style app such as Microsoft Reader, then it will open up back in the Windows 8 full screen interface.

Here's a short video that shows Win2PDF creating a PDF file from a Windows 8 style app:

How to print to Win2PDF from Windows 8 style apps

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Part V

5 Frequently Asked Questions

5.1 Win2PDF Support on the Internet

There are also many common problems and solutions listed in the knowledge base section of the Win2PDF support page. If your question is not answered here, you may submit a question from this site.

5.2 What is the difference between Win2PDF and the Adobe PDF Writer

The original version of Adobe Acrobat included two ways to create PDF files: Adobe PDF Writer and Adobe Distiller. The Adobe PDF Writer was a Windows printer driver that directly converted Windows graphics commands into PDF. Adobe Distiller was a Postscript to PDF converter. If you printed to the Adobe Distiller printer, it first converted the graphics to a Postscript file, and then Adobe Distiller converted the Postscript to PDF. The two step conversion processes used by Adobe Distiller was slower, but usually produced smaller and better quality PDF files.

The original version of Win2PDF released for Windows NT in March of 2000 was very similar in architecture to the original Adobe PDF Writer. Win2PDF also directly converted Windows graphics commands into PDF, and was very fast when compared to Adobe Distiller.

Starting in Adobe Acrobat 6, Adobe discontinued support for Adobe PDF Writer and Adobe Distiller became the default "Adobe PDF Printer".

Starting in Win2PDF 7, the architecture of Win2PDF changed to make use of the Microsoft XML Paper Specification feature that is built in to Windows Vista, Windows 7, and Windows Server 2008. Win2PDF 7 now creates an XPS file, and then converts the XPS file to PDF. This allows Win2PDF 7 to handle fonts and graphics better than older versions of Win2PDF.

5.3 Can I use Win2PDF as a shared printer on a print server?

Yes, with certain caveats.

First, the pricing and licensing requirements are the same as the standard edition of Win2PDF. Each PC that installs Win2PDF as a local printer, or accesses the Win2PDF printer from a shared print server, requires a license of Win2PDF Standard Edition. It is not based on concurrent users; each PC that has access to Win2PDF will need a license.

Second, Win2PDF differs from most printer drivers in that all operations are done locally on the PC or server where Win2PDF is installed. This is true both when Win2PDF has been installed using the Win2PDF setup program, and when Win2PDF has been installed using printer sharing. If Win2PDF has been installed using printer sharing, no processing or communication is done on the print server. There is no performance advantage to installing Win2PDF using printer sharing.

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It is recommended that the Win2PDF printer be installed local to each PC instead of accessing it as a shared printer. There are several limitations with the shared printer implementation, which are:

- ✓ Win2PDF relies on some Windows components that are not available on all versions of Windows servers or clients. The Win2PDF setup program checks for these components, and installs them if necessary. If Win2PDF is installed using printer sharing, there is no opportunity to check for these components and Win2PDF may not function correctly if the components are missing. As such, users of Windows XP or Windows Server 2003 will need to manually download and install the Microsoft XPS Essentials Pack setup before connecting to the shared printer. It is available for download from Microsoft's web site here:

  http://www.microsoft.com/download/en/details.aspx?DisplayLang=en&id=11816

  Windows Vista, Windows 7, or Windows Server 2008 does not need to install this separately as it is included with the core operating system.

- ✓ The Win2PDF Help files will not be installed for shared users. They will only have access to the Win2PDF print driver, and not any of the help topics.

- ✓ Printer sharing relies on Windows installation and update mechanisms. Most printer drivers use standard Microsoft port monitors, but Win2PDF uses a custom port. There have been several reported bugs in the Windows printer sharing relating to printer drivers with custom port monitors, and there are a large number of combinations of Windows versions and service pack levels for the print server and clients (including variations for 32 bit and 64 bit clients and servers). Only some combinations are tested with Win2PDF, and based on past experience there may be problems with other combinations. Since the installation and update process is handled entirely by Windows, these issues can be difficult to isolate and troubleshoot.

In contrast, when Win2PDF is installed directly on each PC, the installer detects the operating system and CPU architecture and installs the correct version of the print driver along with any other necessary files. It is not necessary to install the Microsoft XPS Essentials Pack separately. Also the help files will be installed locally, and there aren't any issues with updates due to the custom port.

For these reasons, we strongly encourage deployment as a local printer install instead of printer sharing. To ease deployment concerns, for orders of 50 licenses or more we provide a pre-registered volume license installer. This -- together with the silent install options -- is the preferred way of deploying Win2PDF to a large number of PCs.

5.4 Does Win2PDF support Windows 95/98/ME?

No, Win2PDF does **not** support Windows 95/98/ME.

Win2PDF 7 installs as a print driver, and this print driver only works with Windows XP, Windows Vista, Server 2003, Server 2008, and Windows 7.

Win2PDF 7 uses some features of Windows that are not available in Windows NT and Windows 2000. Win2PDF 3.5 is still supported and does work with Windows NT and Windows 2000.

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5.5 Does Win2PDF support Windows 8?

Yes, Win2PDF fully supports Windows 8 and Windows 8 Pro. Win2PDF does not support Windows RT.

5.6 Does Win2PDF 64 bit editions of Windows?

Yes, Win2PDF fully supports all versions of Windows 64 bit editions. The Win2PDF setup program includes both 32 bit and 64 bit versions of Win2PDF, and the setup program automatically detects the current version of Win2PDF and installs the 64 bit edition if necessary. There isn't a separate Win2PDF setup program for 64 bit platforms.

Win2PDF has been tested with and fully supports the following 64 bit Windows platforms:

- Windows XP x64 edition
- Windows Server 2003 x64 editions
- Windows Vista x64 editions
- Windows Server 2008 x64 editions
- Windows Server 2008 R2 x64 editions
- Windows 7 x64 editions
- Windows 8 x64 editions
- Windows Server 2012

5.7 What type of fonts does Win2PDF support

When creating a standard PDF, Win2PDF 7 automatically embeds all fonts except for the 14 fonts that are built into Adobe Reader®. These include:

- Courier
- **Courier-Bold**
- *Courier-Oblique*
- ***Courier-BoldOblique***
- Helvetica
- **Helvetica-Bold**
- *Helvetica-Oblique*
- ***Helvetica-BoldOblique***
- Times-Roman
- **Times-Bold**
- *Times-Italic*
- ***Times-BoldItalic***
- Symbol
- ZapfDingbats

When the PDF/A format is selected, all fonts including the font Adobe Reader built-in fonts are automatically embedded in the PDF file.

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5.8 What PDF Viewers can I use to open PDF files created by Win2PDF?

Win2PDF creates PDF files that conform to the published PDF file specification. Any PDF viewer or PDF reader will be able to open, view, or print PDF files created by Win2PDF.

The most common PDF viewer application is the free Adobe Reader software. This software can be downloaded from Adobe's web site here:

Adobe Reader

There are numerous other 3rd party PDF viewer applications, many of which have smaller downloads and load PDF files quicker than the Adobe Reader software. Some additional viewers you may wish to try are:

Sumatra PDF Reader

Evince for Windows

5.9 Is Win2PDF free? Or do I have to pay for it?

Win2PDF is free to use for personal or noncommercial use, but you must purchase the software to remove the extra page from each document. Once you purchase the Win2PDF software, you will be emailed a license code. After the license code is entered, the extra page will not appear on any new PDF files.

The Win2PDF license is sold as a permanent license. It will never expire, and it does not require any subscription to use it.

5.10 Is there an annual fee to use Win2PDF?

No. When you purchase Win2PDF, you will have a permanent, non-expiring license to use Win2PDF for the creation of PDF files. There are no limits with regard to file size or the number of PDF files that may be created, and there are no annual subscription fees.

5.11 I can't activate my copy of Win2PDF

If you get an error "Cannot activate Win2PDF online. Please contact support@win2pdf.com, is it most likely an issue with your PC's security settings.

The Win2PDF activation process uses an internet connection to authenticate the license. If your PC does not have an internet connection, or if you have a firewall or security application blocking access to the server, then we'll need to create a small offline activation program that you can use to license the software. To create this program, we'll need your **order number** or **license code**, as well as the **organization name** this is licensed to.

You can either try to temporarily disable the firewall to complete the activation, or you can send the license information to support@win2pdf.com to create the offline

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activation program.

5.12 How can I control the PDF file name without prompting?

There are three options:

- You can use the registry as documented in the "Developer Information" section under "Specifying an output file name".
- You can use the Win32 API as documented in the "Developer Information section under "Windows Printer Interface".
- You can use the Win2PDF Admin Utility to set the file name as documented under "How to Automatically Name PDF files"

5.13 Does Win2PDF create PDF files that are optimized for web downloading?

PDF files created with Win2PDF can be used on web pages, but they are not linearized PDF files.

5.14 How can I improve the quality of bitmap images?

You can increase the default resolution to improve the quality of bitmap images. To do this, open the printers folder, right click on the Win2PDF icon, and select "Printing Preferences". You can increase the default resolution under the "Advanced" tab to improve the bitmap quality but this will also increase the document size.

For more information, see "Resolution".

5.15 Can Win2PDF be used on a web server?

Usage on a server requires a Win2PDF Terminal Server Edition (TSE) license of Win2PDF. For an example of Win2PDF on a web server, see the demo from the North Coast Idea Company at http://www.ncidea.com/fmwvr.aspx. Information on using a printer from a web server from the Microsoft knowledge base is at:

http://support.microsoft.com/kb/q184291/

5.16 Is it possible to print multiple worksheets in a single Excel workbook to a single .pdf file?

Some applications -- including Microsoft Excel -- can send multiple "print jobs" if it has multiple sheets with different print areas. Even though only one file is being printed, the application (i.e., Excel) breaks up the file into different print jobs and sends them separately to the printer. This typically results in multiple prompts for a file name, and multiple PDF files being created.

In Win2PDF 7.5 and later version, there is an **Auto-merge** feature to handle this

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situation. With **Auto-merge** enabled, all of the sheets in the workbook are merged automatically into a single PDF file if the file being printed has the same base file name and is printed in rapid succession.

In Win2PDF 7 and earlier versions, you will need to save the files separately or manually merge the files together. You can do this by selecting the worksheets that you want to print by holding down the "shift" or "control" key while clicking on the sheet tab. Select the "**Print...**" command from the "**File**" menu and make sure "**Active sheet(s)**" is enabled in the Excel print dialog. More information on selecting multiple worksheets is available at:

http://office.microsoft.com/en-us/assistance/HP052024921033.aspx

Alternatively, if you select "**print to file**" from the Excel print dialog all worksheets will be created in a single document.

5.17 Does Win2PDF support Asian character sets?

Yes, Win2PDF fully supports Asian character sets.

5.18 Is it legal to create PDF files with Win2PDF?

Yes. Adobe Systems Inc. created the PDF file format and owns the copyrights on the data structures, operators, and written specification for PDF. Adobe wishes to make PDF an open standard, so they have given permission to anyone to write software that creates PDF files. The have also given royalty free licenses to the patents if used to create PDF files. Information on this policy is in section 1.7 of the PDF specification published by Adobe, and also at http://partners.adobe.com/public/developer/support/topic_legal_notices.html.

5.19 Can Win2PDF append to an existing PDF file?

Yes, Win2PDF can append or prepend to an exiting PDF file. Please see "Merging to an existing PDF file".

5.20 When installing Win2PDF, I'm get the error message "AddPrinter error 126."

This "AddPrinter error 126" can occur if either of the following conditions is true:

- The %SYSTEMROOT%\System32\Wbem\framedyn.dll file is missing or damaged.

-or-

- The Windows Path environment variable does not point to the %SYSTEMROOT%\System32\Wbem folder.

To correct the problem, use one of the following methods:

Run the Windows system file checker

The Windows system file checker will scan all protected Windows files and verify their versions. If it detects any files that have been replaced or damaged, it will repair the files. To run the system file checker:

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1. Click **Start**, and then click **Run**.
2. In the **Open** box, type **sfc /scannow** and then click **OK**.

More information on the Windows system file checker is available at the following location:
http://support.microsoft.com/?kbid=310747

Replace the Framedyn.dll File

1. Click **Start**, and then click **Run**.
2. In the **Open** box, type **%systemroot%\system32\dllcache**, and then click **OK**.
3. Right-click **framedyn.dll**, and then click **Copy** on the shortcut menu that appears.
4. Click **Start**, and then click **Run**.
5. In the **Open** box, type **%systemroot%\system32\wbem**, and then click **OK**.
6. On the **Edit** menu, click **Paste**. If you are prompted to replace the existing file, click **Yes**.

Verify System Variables

1. Click **Start**, right-click **My Computer**, and then click **Properties** on the shortcut menu that appears. If you receive the following error message, click **OK**: **rundll32.exe - Unable To Locate Component** This application has failed to start because framedyn.dll was not found. Re-installing the application may fix this problem.
2. In the **System Properties** dialog box, click the **Advanced** tab.
3. Click **Environment Variables**.
4. Under **System variables**, click **Path**, and then click **Edit**. **NOTE**: If no **Path** variable is listed, click **New**. In the **Variable name** box, type **Path**.
5. In the **Variable value** box, type the following: **%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\wbem**
6. Click **OK** three times (each time that you have the option).

More information on this problem is at the following location:
http://support.microsoft.com/default.aspx?scid=kb;en-us;319114

5.21 Can Win2PDF set the file save path to point to original document?

No. Unfortunately, this isn't possible. Win2PDF is a print driver, and the application sends document information to the Win2PDF printer driver just like it's a paper printer. The printing application usually (but not always) sends the document name to Win2PDF, but it does not send the document path to Win2PDF. Win2PDF does not have access to the source document location, so it can't use it save the converted PDF.

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Part VI

6 Developer Information

6.1 Windows Printer Interface

Win2PDF interfaces with an application using standard Windows printer APIs. Whenever possible, Win2PDF uses standard Windows APIs instead of defining new interfaces.

If you are a software developer and are developing an application that uses Win2PDF, you can also control the output filename using the standard Win32 API. To specify the file name you need to use the Microsoft defined **DOCINFO** structure and the **StartDoc** function. Set the **lpszOutput** field of the **DOCINFO** structure to the fully qualified path name of the file, and then pass the **DOCINFO** structure to the **Win32 StartDoc** function. Using this method, each file can be created using a unique name.

You can control the orientation, resolution, and other settings using the Win32 API and the **DEVMODE** structure as defined in the Microsoft Platform SDK. The Microsoft Knowledgebase article Q167345 available at:

http://support.microsoft.com/default.aspx?scid=kb;EN-US;Q167345
describes how to change printer settings using the Win32 API.

6.2 Using the registry

6.2.1 Registry Overview

Win2PDF looks for registry values at the following locations and in the following order:

```
"HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Dane Prairie Systems
\Win2PDF"
"HKEY_CURRENT_USER\Software\Dane Prairie Systems\Win2PDF" and
"HKEY_LOCAL_MACHINE\Software\Dane Prairie Systems\Win2PDF"
```

The first registry location is used for the Visual Basic "**SaveSetting**" function. From Visual Basic, you can call **SaveSetting** with the following parameters to control Win2PDF:

```
SaveSetting "Dane Prairie Systems", "Win2PDF", Value Name, Value
```

Where "**ValueName**" and "**Value**" will depend on the Win2PDF setting to control. The **SaveSetting** command only works with Win2PDF registry settings that use a string type.

The HKEY_CURRENT_USER registry location is useful if you want the setting to apply only to the current user. This is especially important when using Win2PDF in a multi-user environment such as Windows Terminal Services.

The HKEY_LOCAL_MACHINE location is useful if you want the setting to apply to all users, or if your application is only going to be used with a single user.

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After the document is created, the registry value will be deleted by Win2PDF. If you would like the setting to apply to all documents without having to add the registry value for each document, you can create a non-zero registry value named "**persistent**" to one of the locations listed above. This will prevent Win2PDF from deleting the value after each document.

The following Win2PDF settings can be controlled from the registry:

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Value Name	Type	Description
PDFFileName	String	Controls the output file name Is automatically deleted after each document.
PDFDefaultFileName	String	Controls the output file name. Is not automatically deleted after each document.
PDFPostFileName	String	Same as PDFFileName, but is deleted after the document has been created
persistent	Dword	Prevents registry values from being deleted when it is set to a non-zero value
PDFTitle	String	Sets the document title
PDFAuthor	String	Sets the document author
PDFSubject	String	Sets the document subject
PDFKeywords	String	Sets the document keywords
file options	Dword	Enables encryption, e-mail, view, and print PDF options
disabled options	Dword	Disables options from the file save dialog
Post Action	String	Automatically executes the application specified after PDF creation.
user password	String	Sets the user password (Win2PDF Pro)
master password	String	Sets the master password (Win2PDF Pro)
PDFMailRecipients	String	Sets the email "To:"recipient addresses when the "Send PDF" option is enabled
PDFMailCCRecipients	String	Sets the email "CC:" recipient addresses when the "Send PDF" option is enabled
PDFMailBCCRecipients	String	Sets the email "BCC:" recipient addresses when the "Send PDF" option is enabled
PDFMailSubject	String	Sets the email subject when the "Send PDF" option is enabled
PDFMailNote	String	Sets the email body text when the "Send PDF" option is enabled
PDFMailResolveNames	String	Verifies email addresses using the default address book
PDFWatermarkFile	String	Sets the watermark PDF file
PDFDefaultWatermarkFile	String	Sets the default watermark PDF file for all users.
PDFExcludeWatermarkPre	Dword	Prevents the watermark from being applied to the first number of pages of a document.
PDFExcludeWatermarkPost	Dword	Prevents the watermark from being applied to the last number of pages of a document.
PDFPrintToName	String	Sets a specific printer instead of the Windows default printer with "print file" file_options are set.
PDFDefaultPrintToName	String	Sets a default specific printer instead of the Windows default printer with "print file" file_options are set.
PDFDocumentScaling	Dword	Sets a document scaling percent (1-999). 100 indicates no scaling.

If you create the any of the string registry values as a REG_EXPAND_SZ instead of a REG_SZ type, the value will be expanded from environment variables. The environment variables are specified with "%" characters at the beginning and end of the variables as in "%HOMEPATH%". The REG_EXPAND_SZ option is not available from the

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Visual Basic SaveSetting command. The %DATE% and %TIME% environment variables are not expanded by this option.

The registry methods are not safe when used with programs that have multiple threads or multiple processes that access Win2PDF. For these types of programs, you need to ensure that only one thread or process has access to Win2PDF at a time by using a Windows critical section or mutex. The Windows printer interfaces do not have these limitations.

When multiple instances of Win2PDF are installed, Win2PDF first looks in the registry locations based on the instance name of Win2PDF. This allows separate settings for different instance of Win2PDF. For example, if the current instance of Win2PDF is named "Win2PDF (Copy 1)" the following registry locations would be checked before the standard registry locations:

```
"HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Dane Prairie Systems
\Win2PDF (Copy 1)"
"HKEY_CURRENT_USER\Software\Dane Prairie Systems\Win2PDF (Copy 1)" and
"HKEY_LOCAL_MACHINE\Software\Dane Prairie Systems\Win2PDF (Copy 1)"
```

If a setting doesn't exist under the instance name section of the registry, then Win2PDF checks the standard locations.

6.2.2 Specifying an output file name

In addition to being able to control the output file using the Win32 API, you can control the output file name by creating a string value in the registry at any of the standard registry locations. The "**PDFFileName**" value should be set to the full path name of the document. If the "**PDFFileName**" entry does not exist in the registry, the user will be prompted to enter a file name.

From Visual Basic, you can set the output file name using the following code sample:

```
SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName", filename
```

Where the filename parameter is the full path name for the file. By default, the "**PDFFileName**" entry is removed from the registry after each document is created and you must add the "**PDFFileName**" each time you print.

If you don't want the setting to be reset after each document, you can use "**PDFDefaultFileName**" in place of "**PDFFileName**". You can also prevent the "**PDFFileName**" from being removed by creating a DWord value named "**persistent**" at one of the standard registry locations.

The format type is determined by the filename extension. The following extensions are supported:

- .PDF - Portable Document Format
- .PDFA -PDF for Archiving (PDF/A). File is renamed with a .PDF extension after creation.
- .XPS - XML Paper Specification
- .TIFF or .TIF - Tagged Image File Format
- .SVG - Scalable Vector Graphics

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If a file already exists at the location specified by "**PDFFileName**", it will be overwritten. If you want to prevent files from being overwritten, you can add a single asterisk character "*" to the file name to specify a wildcard. If a wildcard character exists, it will be replaced by a sequential number so that documents are never overwritten.

If you want to create a unique document name, you can use a single "%" character in the file name. The "%" character will be expanded to include a sequence of numbers based on the current date and time.

If you create the "PDFFileName" registry value as a REG_EXPAND_SZ instead of a REG_SZ type, the file name will be expanded from environment variables. The environment variables are specified with "%" characters at the beginning and end of the variables as in "%HOMEPATH%". If the environment variable does not exist, the first "%" character will be expanded by a sequences of numbers based on the date and time as described previously. The REG_EXPAND_SZ option is not available from the Visual Basic SaveSetting command. The %DATE% and %TIME% environment variables are not expanded by this option.

Win2PDF sets the current PDF document title in an environment variable named "**PDFTitle**". You can use this in combination with a REG_EXPAND_SZ environment variable to set the file name to the document title. For example, if a "**PDFFileName"** entry with a REG_EXPAND_SZ type is set to "c:\%PDFTitle%*.pdf", Win2PDF will create a document using the document specified title without displaying a file save dialog and it will never overwrite an existing file.

If the application needs to determine when Win2PDF has finished creating the document, it can use "**PDFPostFileName**" instead of "**PDFFileName**". The behavior of "**PDFPostFileName**" is identical to "**PDFFileName**" except the registry value is not deleted by Win2PDF until the document has been created. The application can monitor the existence of this registry value to determine if Win2PDF is still processing the document.

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6.2.3 Merge Options

You can prepend or append and existing file with the newly created file by creating a string value in the registry at any of the standard registry locations. If you would like to add an existing PDF file to the beginning of the newly created file, you can create a string value named "**PDFPrependFile**" and set it to the full path of the existing PDF file. If you would like to append an existing PDF file to the newly created file, you can create a string value named "**PDFAppendFile**" and set it to the full path of the existing PDF file. You can specify both a "**PDFPrependFile**" and a "**PDFAppendFile**" at the same time, and both options are only used if the output file name was specified by using "**PDFFileName**".

For example, if you have an existing PDF file named "file1.pdf" and you would like to create a new PDF file named "file2.pdf" with the contents of "file1.pdf" at the beginning of the new file, you would set "**PDFPrependFile**" to file1.pdf and "**PDFFileName**" to "file2.pdf". Alternatively, if you wanted to the contents of "file1.pdf" to be at the end of the new file, you would set "**PDFAppendFile**" to "file1.pdf" and "**PDFFileName"** to "file2.pdf".

By default, the "**PDFPrependFile**" and "**PDFAppendFile**" entries are removed from the registry after each PDF file is created and you must add the values each time you print. If you want to prevent the values from being removed after each document, you can create a DWord value named "**persistent**" at one of the standard registry locations.

6.2.4 Setting Document Information

You can set the PDF document subject, title, author, and keywords by creating string values named **PDFSubject**, **PDFTitle**, **PDFAuthor**, and **PDFKeywords** in the registry at any of the standard registry locations. These are the same values as described in the Document Information. All values are deleted after each document is created unless the "**persistent**" registry value is set.

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6.2.5 Enabling encryption, email, view, and print PDF Options

You can create a **DWORD** value in the registry at any of the standard registry locations to control actions to be taken after the document is created. The value is named "**file options**", and its value can be a combination of the following values:

Action	**value**	
Send email	0x01	
View File	0x02	
Send to palm	0x04	
Set 40 bit encryption	0x08	(Win2PDF Pro)
Set 128 bit encryption	0x10	(Win2PDF Pro)
Enable URL detection	0x20	
Delete email	0x40	
Print File	0x80	
Apply foreground watermark	0x200	(Win2PDF Pro)
Send email - no user interaction	0x400	(requires Win2PDF Mail Helper application)
Apply background watermark	0x800	(Win2PDF Pro)

The values can be added together, so if you wanted to send e-mail, enable URL detection, and delete the file after sending you would set "**file options**" to 0x61 hexadecimal. The 40 and 128 bit encryption options are only valid for Win2PDF Pro. All values are deleted after each document is created unless the "**persistent**" registry value is set.

When the "**View File**" or "**Print File**" options are enabled, the file is opened in the default file viewer specified by standard Windows file associations.

When "Print File" is enabled, the file is sent to the printer named by a string registry value named "**PDFPrintToName**" or "**PDFDefaultPrintToName**" at one of the standard registry locations. The "**PDFPrintToName**" is automatically deleted after each job, and the "**PDFDefaultPrintToName**" is persistent. If "**PDFPrintToName**" or "**PDFDefaultPrintToName**" are not present, the file is printed on the default Windows printer.

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6.2.6 Setting email Options

When the "Send email" or "Send email - no user interaction" options are enabled, you can set the email address by creating a string value in one of the standard registry locations named "**PDFMailRecipients"**. The value can be a single email address in the form "*someone@somedomain.com*", or multiple recipients separated by semicolon ';' or comma ',' characters. You can also set one or more "CC:" or "BCC:" email addresses by setting a string value named "**PDFMailCCRecipients**" or "**PDFMailBCCRecipients**" in one of the standard registry locations. Some email clients require a "SMTP:" string in front of the address such as "*SMTP:someone@somedomain.com*".

Win2PDF can verify the addresses using the default address book if a DWORD value named "**PDFMailResolveNames**" is set to 1 in one of the standard registry locations. This can improve the reliability of sent email, but may cause the email client to display a warning dialog.

You can set the e-mail subject field by creating a string value named "**PDFMailSubject**", and you can fill in the body text of the message by creating a string value named "**PDFMailNote**". All values are deleted after each document is created unless the "**persistent**" registry value is set.

Windows MAPI email clients such as Microsoft Outlook or Outlook Express will not let you send email without user interaction. The Win2PDF Mail Helper Application is an optional SMTP mail client that integrates with Win2PDF and supports sending email without user interaction.

6.2.7 Controlling Encryption Options

To set the security permissions, you can create a DWORD value named "security permissions" at any of the standard registry locations.

The DWORD value must be named "security permissions", and the value is defined by Adobe in the PDF specification available from: http://partners.adobe.com/asn/tech/pdf/specifications.jsp

The following table from this specification defines the privileges:

Bit Position	Meaning
1-2	Reserved; must be 0
3	Print document
4	Modify contents of document (other than text annotations and interactive form fields
5	Copy text and graphics from document
6	Add or modify text annotations and interactive form fields
7-8	Reserved; must be 1
9	Fill in existing form fields
10	Extract text and graphics for Accessibility
11	Assemble the document
12	Allow high resolution printing
13-32	Reserved; must be 1

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The default value is 0xfffffffc. For example, to create a PDF document that doesn't allow printing you need to set bit position 3 to a 0 so you would set the "**security permissions**" to 0xfffffff8.

The following table lists common combinations of security permissions:

Disable printing	0xfffffff8
Disable copying	0xfffffffc
Disable modifying	0xfffffff4
Disable printing & copying	0xfffffffe8
Disable printing & modifying	0xfffffff0
Disable copying & modifying	0xfffffffe4
Disable printing & copying & modifying	0xfffffffe0

You can set passwords by creating **String** values named "**user password**" or "**master password**" to password protect documents. The passwords are only used if encryption is enabled in the "**file options**" setting. All registry values are deleted after each document unless the **persistent** value is set.

The security permissions and passwords are only valid for Win2PDF Pro.

6.2.8 Disabling File Save Options

The file save options such as "View PDF", "Print PDF", and "Send PDF" can be disabled by adding a DWORD value to the registry named "disabled options" at any of the standard registry locations. The options are specified using the same table as the "**file options**". The values can be added together, so if you wanted to disable the "send PDF" and "delete after sending" options you would set "**disabled options**" to 0x41 hexadecimal.

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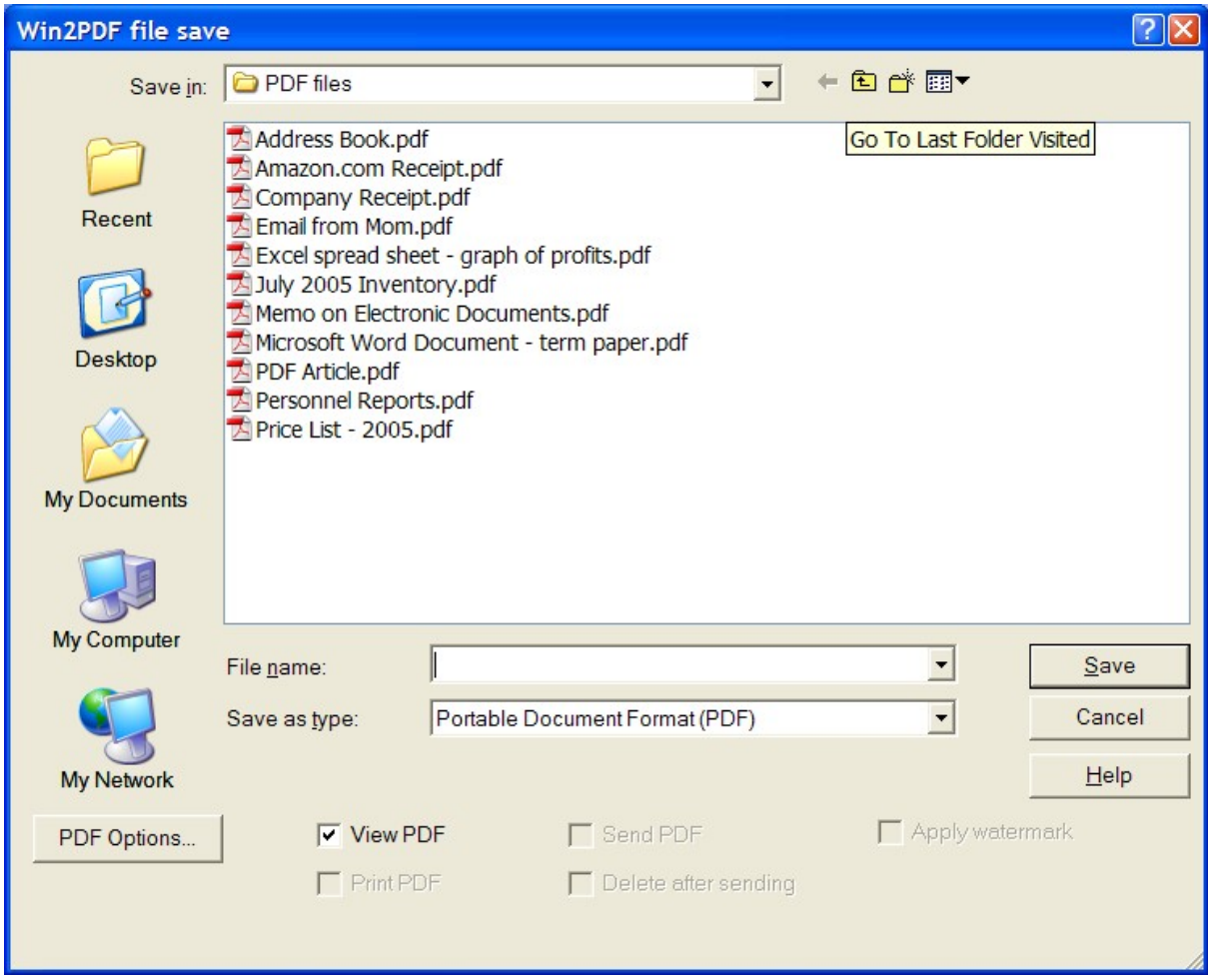

All values are deleted after each document is created unless the "**persistent**" registry value is set.

6.2.9 Automatically Executing an Application

You can automatically execute an application after the document is created by creating a string registry value named "**Post Action**" in any of the standard registry locations. The application must be specified using the full path name, and the document can be passed to the application by using a "%s" in the command line. For example, setting "**Post Action**" to:

```
C:\Program Files\Adobe\Reader 8.0\Reader\acrord32.exe "%s"
```

would launch Acrobat Reader after the document is created. It is important to enclose the file name with quotation marks since the file may contain spaces. The registry value is deleted after each document unless the **persistent** value is set.

6.2.10 Watermark Options

When the "Apply foreground watermark" or "Apply background watermark" options are enabled, the watermark PDF file can be specified by setting a string value named "PDFWatermarkFile" in the registry at any of the standard registry locations.

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By default, the watermark is applied to all pages in the newly created document. If you want to exclude the watermark from being applied to the beginning of the document, you can set a DWORD value in the registry named "PDFExcludeWatermarkPre" to the number of pages to exclude. If you want to exclude the watermark from being applied to the end of the document, you can set a DWORD value in the registry named "PDFExcludeWatermarkPost" to the number of pages to exclude.

The registry value is deleted after each document is created unless the "**persistent**" registry value is set.

A default watermark for all users can be specified by setting a string value named "PDFDefaultWatermarkFile" at:
`"HKEY_LOCAL_MACHINE\Software\Dane Prairie Systems\Win2PDF"`
This registry setting is not deleted after each document.

6.2.11 Mail Helper Application

The Win2PDF Mail Helper application is an optional SMTP mail client that integrates with Win2PDF and supports sending email without user interaction. This application can be downloaded from the Win2PDF support download site at:

http://helpdesk.win2pdf.com/index.php?/Knowledgebase/Article/View/189/15/win2pdf-mail-helper-download

To email without user interaction, you must have the Win2PDF Mail Helper application installed and configured, you must set the email recipient address, and you must enable the "Send email - no user interaction" option.

The Win2PDF Mail Helper uses SMTP to send email, and requires configuration to use an SMTP server. You can use the "Configure Win2PDF Mail Helper" menu option to interactively set the server settings, or you can use the following registry settings in any of the standard registry locations:

Value Name	Type	Description
PDFMailFrom	String	Used to fill in the "from:" field in the email header.
PDFMailServerName	String	SMTP server name
PDFMailUserName	String	If authentication is used, the user name for the SMTP server.
PDFMailPassword	String	If authentication is used, the password for the SMTP server.
PDFMailAuthentication	String	1 if authentication is used by the SMTP server, 0 otherwise

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6.3 Programming Environments

6.3.1 Visual Basic 6.0

6.3.1.1 Using the Printer object

The Visual Basic printer object greatly simplifies sending output to a printer. The following is a very simple example of creating a PDF and specifying the output file name.

```
Private Sub Command1_Click()
    'set the output file name
    SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName", "c:\TEST.PDF"

    'output some text
    Printer.Print "hello world!"

    'save the PDF file
    Printer.EndDoc
End Sub
```

Win2PDF supports all of the standard Printer object methods and properties. A more advanced example requires some support routines for writing a Dword value to the registry. The following code must be added to the declarations section of the sample form.

```
Option Explicit

Private Const REG_DWORD As Long = 4
Private Const HKEY_CURRENT_USER = &H80000001
Private Const KEY_ALL_ACCESS = &H3F

Private Declare Function RegCloseKey Lib "advapi32.dll" _
                        (ByVal hKey As Long) As Long
Private Declare Function RegOpenKeyEx Lib "advapi32.dll" Alias _
      "RegOpenKeyExA" (ByVal hKey As Long, ByVal lpSubKey As String, _
      ByVal ulOptions As Long, ByVal samDesired As Long, phkResult As _
      Long) As Long
Private Declare Function RegSetValueExLong Lib "advapi32.dll" Alias _
      "RegSetValueExA" (ByVal hKey As Long, ByVal lpValueName As String, _
      ByVal Reserved As Long, ByVal dwType As Long, lpValue As Long, _
      ByVal cbData As Long) As Long

Private Sub SaveWin2PDFDword(sValueName As String, lValueSetting As Long)
    Dim lRetVal As Long         'result of the SetValueExLong function
    Dim hKey As Long            'handle of open key

    lRetVal = RegOpenKeyEx(HKEY_CURRENT_USER, "Software\VB and VBA Program
Settings\Dane Prairie Systems\Win2PDF", 0, _
                           KEY_ALL_ACCESS, hKey)
    lRetVal = RegSetValueExLong(hKey, sValueName, 0&, _
                           REG_DWORD, lValueSetting, 4)
    RegCloseKey (hKey)
End Sub
```

Now we can use the subroutine to save a Dword value to the registry and enable 128 bit encryption. The encryption options are only valid for Win2PDF Pro.

```
Private Sub Command1_Click()
    'set the output file name
```

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```
    SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName", "c:\TEST.PDF"

    'enable 128 bit encryption (Win2PDF Pro only) and automatic url detection
    SaveWin2PDFDword "file options", &H30

    'set a master password
    SaveSetting "Dane Prairie Systems", "Win2PDF", "master password",
"abracadabra"

    'set the PDF document title
    SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFTitle", "Hello World
sample"

    'set landscape orientation
    Printer.Orientation = vbPRORLandscape

    'output some text
    Printer.Print "hello world!"
    Printer.Print "www.win2pdf.com"

    'save the PDF file
    Printer.EndDoc
End Sub
```

The following example demonstrates how to append to an existing PDF file.

```
Private Sub Command2_Click()

    'set the output file name to create original PDF file
    SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName",
"c:\TEST.PDF"

    'output some text
    Printer.Print "hello world!"

    'save the PDF file
    Printer.EndDoc


    'Append new text to original PDF file
    'assign original PDF file
    SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFAppendFile",
"c:\TEST.PDF"

    'set new output file to maintain the original PDF file
    SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName",
"c:\AppendedTest.PDF"

    Printer.Print "2nd page added"
    Printer.EndDoc

End Sub
```

The following example enables the "Send PDF" option, sets the email subject, sets the email address, sets the email body text, and then creates the PDF file:

```
   'enable sending the PDF file
```

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```
   'replace the file options with &H421 to email with no user interaction
using the Mail Helper application
   SaveWin2PDFDword "file options", &H21

   'set the email subject (optional)
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFMailSubject", "Test
Subject"

   'set the recipient email address (optional)
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFMailRecipients",
billg@microsoft.com

   'set the email body text (optional)
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFMailNote", "The
requested PDF file is attached."

   'set the PDF file name
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName", "c:\
\test.pdf"

   'output some text
   Printer.Print "hello world!"
   Printer.Print www.win2pdf.com

   'save the PDF file
   Printer.EndDoc
```

6.3.1.2 Using the Win32 API

The Microsoft Knowledgebase article Q175535 has information on using the Win32 API from Visual Basic. The Win32 API can be used when the Printer object does not provide the necessary functionality.

1. Create a Standard EXE project in Visual Basic 6.0. Form1 is created by default.

2. Add 2 CommandButtons to Form1.
3. Add the following code to the General Declarations section of Form1:

```
  Option Explicit

   Private Const LF_FACESIZE = 32

   Private Type LOGFONT
      lfHeight As Long
      lfWidth As Long
      lfEscapement As Long
      lfOrientation As Long
      lfWeight As Long
      lfItalic As Byte
      lfUnderline As Byte
      lfStrikeOut As Byte
      lfCharSet As Byte
      lfOutPrecision As Byte
      lfClipPrecision As Byte
      lfQuality As Byte
      lfPitchAndFamily As Byte
      lfFaceName As String * LF_FACESIZE
```

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```
End Type

Private Type DOCINFO
   cbSize As Long
   lpszDocName As String
   lpszOutput As String
   lpszDatatype As String
   fwType As Long
End Type

Private Declare Function CreateFontIndirect Lib "gdi32" Alias _
"CreateFontIndirectA" (lpLogFont As LOGFONT) As Long

Private Declare Function SelectObject Lib "gdi32" _
(ByVal hdc As Long, ByVal hObject As Long) As Long

Private Declare Function DeleteObject Lib "gdi32" _
(ByVal hObject As Long) As Long

Private Declare Function CreateDC Lib "gdi32" Alias "CreateDCA" _
(ByVal lpDriverName As String, ByVal lpDeviceName As String, _
ByVal lpOutput As Long, ByVal lpInitData As Long) As Long

Private Declare Function DeleteDC Lib "gdi32" (ByVal hdc As Long) _
As Long

Private Declare Function TextOut Lib "gdi32" Alias "TextOutA" _
(ByVal hdc As Long, ByVal x As Long, ByVal y As Long, _
ByVal lpString As String, ByVal nCount As Long) As Long ' or Boolean

Private Declare Function StartDoc Lib "gdi32" Alias "StartDocA" _
(ByVal hdc As Long, lpdi As DOCINFO) As Long

Private Declare Function EndDoc Lib "gdi32" (ByVal hdc As Long) _
As Long

Private Declare Function StartPage Lib "gdi32" (ByVal hdc As Long) _
As Long

Private Declare Function EndPage Lib "gdi32" (ByVal hdc As Long) _
As Long

Const DESIREDFONTSIZE = 12     ' Could use variable, TextBox, etc.

Private Sub Command1_Click()
' Combine API Calls with the Printer object
   Dim OutString As String
   Dim lf As LOGFONT
   Dim result As Long
   Dim hOldfont As Long
   Dim hPrintDc As Long
   Dim hFont As Long

   Printer.Print "Printer Object"
   hPrintDc = Printer.hdc
   OutString = "Hello World"

   lf.lfEscapement = 1800
   lf.lfHeight = (DESIREDFONTSIZE * -20) / Printer.TwipsPerPixelY
   hFont = CreateFontIndirect(lf)
   hOldfont = SelectObject(hPrintDc, hFont)
   result = TextOut(hPrintDc, 1000, 1000, OutString, Len(OutString))
```

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```
   result = SelectObject(hPrintDc, hOldfont)
   result = DeleteObject(hFont)

   Printer.Print "xyz"
   Printer.EndDoc
End Sub

Private Sub Command2_Click()
' Print using API calls only
   Dim OutString As String  'String to be rotated
   Dim lf As LOGFONT        'Structure for setting up rotated font
   Dim temp As String       'Temp string var
   Dim result As Long       'Return value for calling API functions
   Dim hOldfont As Long     'Hold old font information
   Dim hPrintDc As Long     'Handle to printer dc
   Dim hFont As Long        'Handle to new Font
   Dim di As DOCINFO        'Structure for Print Document info

   OutString = "Hello World"   'Set string to be rotated

' Set rotation in tenths of a degree, i.e., 1800 = 180 degrees
   lf.lfEscapement = 1800
   lf.lfHeight = (DESIREDFONTSIZE * -20) / Printer.TwipsPerPixelY
   hFont = CreateFontIndirect(lf)  'Create the rotated font
   di.cbSize = 20                  ' Size of DOCINFO structure
   di.lpszDocName = "My Document" ' Set name of print job (Optional)

' Create a printer device context
   hPrintDc = CreateDC(Printer.DriverName, Printer.DeviceName, 0, 0)

   result = StartDoc(hPrintDc, di) 'Start a new print document
   result = StartPage(hPrintDc)    'Start a new page

' Select our rotated font structure and save previous font info
   hOldfont = SelectObject(hPrintDc, hFont)

' Send rotated text to printer, starting at location 1000, 1000
   result = TextOut(hPrintDc, 1000, 1000, OutString, Len(OutString))

' Reset font back to original, non-rotated
   result = SelectObject(hPrintDc, hOldfont)

' Send non-rotated text to printer at same page location
   result = TextOut(hPrintDc, 1000, 1000, OutString, Len(OutString))

   result = EndPage(hPrintDc)      'End the page
   result = EndDoc(hPrintDc)       'End the print job
   result = DeleteDC(hPrintDc)     'Delete the printer device context
   result = DeleteObject(hFont)    'Delete the font object
End Sub

Private Sub Form_Load()
   Command1.Caption = "API with Printer object"
   Command2.Caption = "Pure API"
End Sub
```

4. Run the Project and click API with Printer object . This will print a single page to the current default printer with "**Printer Object**" and "**xyz**" printed normally and "**Hello World**" printed rotated 180 degrees.

5. Click Pure API . This will print a single page to the current default printer with

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"Hello World" printed normally and rotated 180 degrees.

6.3.2 Crystal Reports

The following Visual C example shows how to print a document to Win2PDF using Crystal Reports.

```
void CPrinting::PrintPDF(LPTSTR sPrintType, int iPrintMethod)
{
	_TCHAR sFileName[PE_FILE_PATH_LEN] = "";
	short hJob = 0;
	PEPrintOptions  PrintOptions;

	PEOpenEngine();
	hJob = PEOpenPrintJob("d:\\pics32\\pics32\\live\\quote.rpt");

	PrintOptions.StructSize     = PE_SIZEOF_PRINT_OPTIONS;
	PrintOptions.startPageN     = 1;
	PrintOptions.stopPageN      = -1;
	PrintOptions.nReportCopies  = 1;
	PrintOptions.collation      = PE_COLLATED;

	_tcscpy(sFileName, "D:\\temp\\test.pdf");  // Here is the PDF file name
	_tcscpy(PrintOptions.outputFileName, sFileName);

	PESetPrintOptions(hJob, &PrintOptions);
	PEOutputToPrinter(hJob, 1);
	PEStartPrintJob(hJob, TRUE);
	PECloseEngine();
}
```

The same example using Visual Basic follows.

```
Public Function printAPIReport(RptName As String, rptPath As String,
outPath As String) As Boolean
    Dim PrintOptions As PEPrintOptions
    Dim hjob As Integer

    PEOpenEngine()
    hjob = PEOpenPrintJob(rptPath & RptName)

    PrintOptions.StructSize = PE_SIZEOF_PRINT_OPTIONS
    PrintOptions.StartPageN = 1
    PrintOptions.stopPageN = -1
    PrintOptions.nReportCopies = 1
    PrintOptions.collation = PE_COLLATED
    PrintOptions.outputFileName = "c:\\Temp\\TEST.PDF" & Chr(0)

    PESetPrintOptions(hjob, PrintOptions)

    PEOutputToPrinter(hjob, 1)

    PEStartPrintJob(hjob, True)

    PECloseEngine
```

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```
End Function
```

6.3.3 Microsoft Access

The following example shows the basic code to open and print an Access report to Win2PDF. This example uses SaveSetting to set the PDF file name and will suppress the Win2PDF File Save dialog.

```
Private Sub cmd_PrintToWin2PDF_Click()

'This code assumes that Win2PDF is set as the default printer.
On Error GoTo Err_cmd_PrintToWin2PDF_Click

    Dim stDocName As String

    'set the output file name
    SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName",
"c:\AccessTest.pdf"

    stDocName = "Report to be converted"
    DoCmd.OpenReport stDocName, acNormal

Exit_cmd_PrintToWin2PDF_Click:
    Exit Sub

Err_cmd_PrintToWin2PDF_Click:
    MsgBox Err.Description
    Resume Exit_cmd_PrintToWin2PDF_Click

End Sub
```

The following example shows how to merge two Access reports into a single PDF file:

```
   'This sample assumes that Win2PDF is set as the default printer.

   'create first PDF file from report rpt_OriginalReport
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName",
"c:\tempReport.pdf"
   DoCmd.OpenReport "rpt_OriginalReport", acNormal

   'Set registry to append 2nd report to PDF file just created
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName",
"c:\MergedReports.pdf"
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFPrependFile",
"c:\tempReport.pdf"

   'print second report, rpt_ReportToAppend
   DoCmd.OpenReport "rpt_ReportToAppend", acNormal
```

The following sample shows how to email without user interaction using the Win2PDF Mail Helper application. You need to install and configure the Win2PDF Mail Helper application before running this code.

The SaveWin2PDFDword routine used in this example is listed in Using the Printer

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object.

```
   'This sample assumes that Win2PDF is set as the default printer.

   Dim stDocName As String

   'enable sending the PDF file with no user interaction
   SaveWin2PDFDword "file options", &H420

   'set the output file name
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFFileName",
txt_PDFFileName

   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFMailRecipients",
txt_emailaddress
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFMailSubject",
txt_EmailSubject
   SaveSetting "Dane Prairie Systems", "Win2PDF", "PDFMailNote",
txt_emailmessage

   stDocName = "rpt_Report_to_EMail"
   DoCmd.OpenReport stDocName, acNormal
```

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Part

7 Dane Prairie Systems Company Information

Information on Win2PDF is available at http://www.win2pdf.com

For help on our products, including technical support, visit http://www.win2pdf.com/support/tech_support.htm or send e-mail to support@win2pdf.com

For sales inquiries, send e-mail to sales@win2pdf.com

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