Redirect2Print

Introduction

In addition to converting as PDF files, eDocPrinter supports redirecting the current print job to other physical printers. The corresponding settings are in the Redirect property page. It's an optional Adv. pack feature supporting three modes including [by printing the spool job], [by reader open-action], and [by reader command-line] for redirecting.

Mode 0: Redirect the current print job by printing the spool job

In this mode, after converting and saving as a PDF file, eDocPrinter will send the Windows spool job file of the current print job to printers assigned in the list in Redirect property page. The advantage of this mode is that it saves time and resources by utilizing the Windows spool job directly without printing the result PDF.

Users can add multiple printers for redirecting. Each printer in the list has its own settings applied. Users can click [Preferences] button to show properties pages of a specific printer to modify and save printer specific settings. The DEVMODE returned by the printer preference dialog will be saved in settings of Redirect. The value of DEVMODE including its vendor specific printer settings will be applied when printing the spool print job.

Users may configure redirect options like [Select printer paper size automatically], [Page scaling], [Auto-Rotate], [Auto-Center], and etc. for each printer added in the list. These options will override current printer settings when printing out.

Show preferences before printing

When turning on this option, it will prompt the printer preference dialog before redirecting to allow users to customize printer specific settings. For example, some printers may have vendor settings which are only configurable from its printer property page.

Select printer paper size automatically

When turning on this option, it will enumerate all paper sizes supported by the physical printer to match the page size of the current printer job. If there is no paper size found to match, it will use the custom form to set the paper size.

Page scaling mode
 Users can select to [None] for keep it as original, or choose to fit or shrink to the printable area.

Auto-rotate and Auto-center

When turning on this option, it will prompt the printer preference dialog before redirecting to allow users to customize printer specific settings.

Paper source

Users can assign the paper tray to use for printing out for printers supporting tray selection by its DEVMODE structure. In addition, users can switch to a different tray for printing out from the page number defined.

Copies

Users can assign copies to print out for redirecting to printers supporting multiple copies.

Color

Users may select the color mode for printing out. By default, it will use the current mode.

Image DPI

Instead of redirecting to physical printers, users may select special predefined devices like [->TIF] or [->JPG] for saving as images of the current print job. The image DPI field is used as resolution when converting as images.

Duplex

Users select the duplex mode for printing out for physical printers with duplex printing capability.

These options are per-printer specific. Embedded commands are available for controlling the redirect printer list and its settings.

ne eDocPrinter PDF Pro Properties	X
Page Compression Fonts Doc Info Se Bookmarks Redirect F	ecurity Watermark Links Email Destination
Page Compression Fonts Doc Info Si Bookmarks Redirect F Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay Image: Save print job as templates (*.pdj) for overlay Image: Save print job as templates (*.pdj) For overlay For overlay Image: Save print job as templates (*.pdj) for overlay <td>acurity Watemark Links Email Destination TP/Cloud Remap About by printing the spool job or merge print jobs Options Show preferences before printing Select printer paper size automatically Page scaling: None Auto-Rotate Auto-Center Paper source: from page 2 Copies: 1 Collate Color: Image DPI: 72 Duplex: None Print to File</td>	acurity Watemark Links Email Destination TP/Cloud Remap About by printing the spool job or merge print jobs Options Show preferences before printing Select printer paper size automatically Page scaling: None Auto-Rotate Auto-Center Paper source: from page 2 Copies: 1 Collate Color: Image DPI: 72 Duplex: None Print to File
	OK Cancel Help

Overlay with predefined template when redirecting

eDocPrinter supports overlaying with a predefined template PDF when converting. It helps generating PDF files from any sources with adding company logos, applying predefined headers and footers, inserting background watermarks, appending legal notices with predefined, and etc.

In this [Redirect by printing the spool job] mode, because it utilizes the Windows spool job directly without using the result PDF file, when overlaying with a predefined template PDF file, in addition to the template PDF file (the header and footer PDF file) which is for generating the result PDF file, users need to have the spool job file of the template file when enable redirecting the current print job. This saved template spool job file is used for sending to physical printers accompanying with the current spool job for speeding the printing process.

For example, you have a Word document file containing a page which will be used as the background header and footer (template) on all pages when creating PDF files. Let's assume "template1.docx" is the filename of the header and footer document. Following steps below will create and save the template PDF file for overlay with and its spool job file for redirecting to print.

1. Open this template document by its associated application.

Print		? ** **
Printer		2
<u>N</u> ame:	and eDocPrinter PDF Pro	<u>P</u> roperties
Status:	Idle	Fin <u>d</u> Printer
Type:	eDocPrinter PDF Pro	Print to file
Comment:	eDocPDF	Manual duple <u>x</u>
Page range		Copies
Al		Number of <u>c</u> opies:
Curr <u>e</u> nt Pages: Type pa ranges from th section. or p1s1	page Selection age numbers and/or page separated by commas counting e start of the document or the . For example, type 1, 3, 5–12 , p1s2, p1s3–p8s3	L Colla <u>t</u> e
Print <u>w</u> hat:	Document 💌	Zoom
P <u>r</u> int:	All pages in range	Pages per sheet: 1 page
		Scale to paper size: No Scaling
Options		OK Cancel

2. In the print dialog, please select [eDocPrinter PDF Pro] to show its property pages.

3. In Redirect property page, as illustrated below, enable [Redirect the current print job by printing the spool job].

Page Compression	Fonts	Doc Info	Security	Waterman	k Links	Email	Destination
Bookmarks	Redired	t 🗌	FTP/Clou	d	Remap		About
 Enable redirecting t Save print job as Apply overlay/m 	the current p templates (erge/waterm	rint job to: *.pdj) for ove ark on redire	erlay or mer cted print jo	by prir ge bs	nting the spoo	l job	•
			Option S S Page	how prefere elect printer e scaling:	ences before p paper size au None	rinting tomatically	
			Pap from	uto-Rotate er source: page 2	Au	to-Center	
			Colo	r: je DPI:	72		•
Add Pro	eferences	Remove	Dup	lex: rint to File	None		•

- 4. And turn on the option [Save the print job as a template (*.pdj) for overlay or merge].
- 5. We can print to create and save the result PDF file now. Assume we save the result PDF file called "template1.pdf". In the same directory of "template1.pdf", there is also a file called "template1.pdj" saved. It is the Windows spool job file saved from the printing process.
- 6. Close the template document and its application.
- 7. Now we can open other documents or applications to print and use the "template1.pdf" as the template PDF file to overlay with. The result PDF will have the header and footer the same as the template page content on all pages in addition to its own document content.
- 8. When redirecting is enabled, the printout also contains the header and footer defined since it will use "template1.pdj" in the same directory as the template PDF file for redirecting to print. If it cannot find the job file of the template PDF, the printout from the redirecting to print will show its own page contents only.

Sometimes, users may have the template (header and footer) file in PDF format already. And users may not be able to find the original document or its application to use to print to create and save spool job file for use. In such cases, users may create the job file (.pdj) of the template by printing it from the PDF reader (Acrobat reader) to [eDocPrinter PDF Pro] directly as described in steps above. However, the spool job file may have much larger file size compared to those created from original applications due to the rendering (printing) process of the PDF reader used may flatten or rasterize some page contents. As a result, recommend printing directly from the original application to [eDocPrinter PDF Pro] to create the template PDF and its spool job file (.pdj).

In some cases, users may have as their templates in common image formats (like GIF, JPEG, or TIFF). For images like that, users can directly overlay with the image without converting to PDF in advance. When redirecting to print, it will also print the image directly as the template without requiring its spool job file.

Mode 1: Redirect the current print job by reader open-action

In this mode, after converting and saving as a PDF file, eDocPrinter will embed open-action to call the reader to open and execute the action which will automate the printing the result PDF out to the printer specified. Using this mode, since it prints out the result PDF directly, it is not necessary to have a template spool job file (.pdj) when overlaying with the template PDF.

eDocPrinter PDF Pro Pr	operties		Ja.				×
Page Compression	Fonts Doo	c Info S	ecurity	Watermark	Links	Email	Destination
Enable redirecting the Save print job as to Apply overlay/merg	e current print jo emplates (*.pdj) je/watermark or CM1410 Series	ob to:) for overlay n redirected	or merge print jobs	by read by print by read by read	ler openactio ing the spool er openactio er commandl	n to print I job n to print ine a print	-
			Sho Sele Page s	ow preferer ect printer (scaling:	nces before p paper size aut None	rinting tomatically	T
			Paper from pa	co-Rotate source: age 2	Au	to-Center	
			Copies Color:	:	1	Collate	•
4		+	Image Duple:	DPI: k:	72 None		•
Add Prefe	erences R	lemove	Prin	t to File			
					ОК	Cancel	Help

Due to printing automation is a privileged javascript action in Acrobat reader by default, there will be a warning "Do you want to print?" in this mode. Users have to click "Yes" to continue. To suppress this warning for automation, users have to prepare a folder (directory) as a trusted place for automating PDF printing by javascript. In Acrobat Reader's preference as illustrated below, users have to add the prepared folder to the trusted location for silent printing.

In addition, users have to add an embedded command to set RedirectJobDir to the trusted folder for saving temporary PDF files for redirecting to print. For example, %%RedirectJobDir: E:\redirect%%

If users do not use embedded commands to control eDocPrinter, users have to add a key-value of RedirectJobDir in their eDocPrinter instance profile registry settings. For example, assume using the default [eDocPrinter PDF Pro] instance, please add RedirectJobDir with string value "e:\redirect" in [HKEY_CURRENT_USER\Software\ITEKSOFT\eDocPrinter\PDF\5.0\Profiles\eDocPrinter PDF Pro\Redirect].

Users can control options [Show preferences before printing], [Select printer paper size automatically], [Page scaling], [Auto-rotate], [Auto-center], and [Copies] for printing out in this mode. Due to restrictions of the reader, users cannot select the paper source tray in this reader's open-action mode.

Home Tools Preterences File Lists Categories: Commenting Documents Full Screen General Page Display Sandbox Protections Storage Off Enable Protected Mode at startup My Computer Document Cloud Adde Conline Services Document Cloud Adde Conline Services Enhanced Security Adde Account Privileged Locations Cross domain log file Privileged Locations Privileged Locations Privileged Locations Multimedia (legacy) Multimedia (legacy) Multimedia Trust (legacy) Reading Search Security Mutomatically trust sites from my Win OS security zones View Windows Trusted Sites Sourdy Clouder Signatures Spelling Tracker Signatures Trust Manager Units Spelling View Windows Trusted Sites	The Thirdow I			
File Lists Categories: Sandbox Protections Recent Commenting Documents Full Screen General Page Display Sandbox Protections Storage 3D & Multimedia Accessibility Adobe Online Services Email Accounts Forms Identity Internet JavaScript Language Measuring (2D) Measuring (2D) Measuring (2D) Measuring (2D) Measuring (2D) Multimedia (tegacy) Multimedia (tegacy) Multimedia Trust (legacy) Multimedia Trust (legacy) Multimedia Trust (legacy) Multimedia Trust (legacy) Search Scurity Sandbox Protections Security Box Multimedia Accessibility Adobe Contine Services Forms Identity JavaScript Language Measuring (2D) Multimedia Trust (legacy) Multimedia Search Scurity Privileged Locations If your workflows are negatively impacted by security setting setting restrings. sup Privileged Locations to Signatures Spelling Tracker Security (Enhanced) Signatures Spelling Tracker Sandbox Protected Mode at startup Privileged Locations If your workflow are negatively impacted by security setting setting restrings. setting settings. settings. settings. settings. settings. settings. yetting settings. settings. Settings Nultimedia Trust (legacy) Multimedia Trust Manager Multimedia Security (Enhanced) Security Urust sites from my Win OS security zones View Windows Trusted Sites	ome Tools	Preferences		
	ome Tools File Lists Recent Sent Storage My Computer Document Cloud Add Account	Preferences Preferences Categories: Commenting Documents Full Screen General Page Display 3D & Multimedia Accessibility Adobe Online Services Email Accounts Forms Identity Internet JavaScript Language Measuring (2D) Measuring (3D) Multimedia Trust (legacy) Multimedia Trust (legacy) Security (Inhanced) Signatures Spelling Tracker Trust Manager Units	Sandbox Protections Enable Protected Mode at startup Protected View Off Files from potentially unsafe locations All files Enhanced Security Privileged Locations If your workflows are negatively impacted by security settin selectively trust files, folders, and hosts to bypass those set Locations allows you to work securely while granting trust t Automatically trust documents with valid certification Automatically trust sites from my Win OS security zones e:\redirect Add File Add Folder Path Add Host	Cross domain log file gs, use Privileged Locations to curity setting restrictions. Privileged o items in your workflow. View Windows Trusted Sites Remov
			Add File Add Folder Path Add Host	Remov
Add File Add Folder Path Add Host Remov			What is Protected View? What is Enhanced Security? What	t are Privileged Locations?

Mode 2: Redirect the current print job by reader command-line

In this mode, after converting and saving as a PDF file, eDocPrinter will call the associated application for PDF file type to print. In simple words, it is calling the reader's command line to print. Using this mode, since it prints out the result PDF directly, it is not necessary to have a template spool job file (.pdj) when overlaying with the template PDF.

Because it directly calls the command line to print, it does not use any javascript action. Hence there will no warning when printing by default. However, due to the command line provides only a simple interface to call to print to a printer specified, the options for controlling redirecting to print are not effective in this mode.