



Print2PDF 8.0

Implementing PDF conversion services
White Paper

Table of Contents

Introduction.....	3
Create fully compatible Adobe® PDF documents	3
On-demand, automated, or command-line conversion.....	3
Bookmark, hyperlink and TOC support	3
ISO 19005-1 PDF/A support	4
Over 80 supported file types.....	4
PDF conversion using watched folders.....	5
PDF conversion using watched POP3 e-mail	5
Integrated SMTP client provides e-mail automation	5
Dynamic folder and file names	5
Merge multiple documents into one PDF.....	6
Secure PDF documents with encryption	6
Authorize PDF document access with a password.....	7
Control PDF content through permissions	7
Section 508 accessibility compliant.....	7
Electronically sign PDF documents	7
Enhance PDF documents with a stamp or watermark	8
Choose PDF document quality	8
Optimize PDF files for fast web view	8
System requirements.....	9
Practical PDF usage	10
Licensing	10
Conclusion.....	10
About Software602.....	10
Appendix A: Feature List	11

Introduction

The Adobe® [Portable Document Format](#) (PDF) is regarded as the industry standard for secure and reliable document distribution. Organizations from around the world use PDF files to streamline their business processes, create a paperless working environment, and secure archives of various records. Industries such as health care have grown to rely on the security and ease of use provided by the PDF document format. PDF documents preserve fonts, graphics, and layout to ensure accurate reproduction, regardless of the application used to create the file. PDF files can be viewed and printed on a broad range of hardware, software, and operating systems with the FREE Adobe® Reader®.



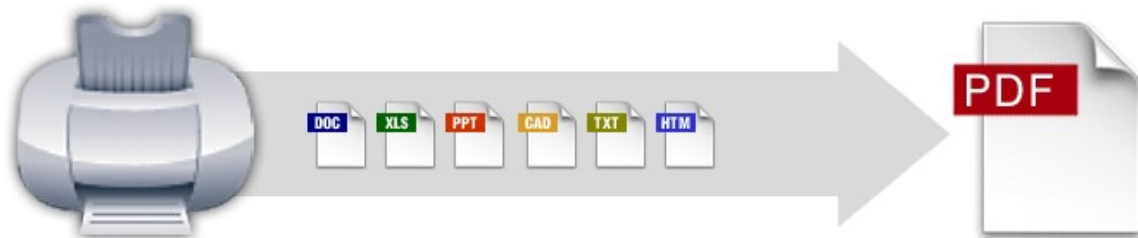
With Print2PDF, your organization can realize the benefits of the secure Portable Document Format. Create fully compatible and secure PDF documents viewable by anyone. Print2PDF enables organizations to centrally deploy and manage network PDF conversion services.

Create fully compatible Adobe® PDF documents

Print2PDF creates fully compatible version 1.3 and 1.4 specification PDF files. Adobe® Reader® version 4.0, 5.0, 6.0, 7.0, 8.0 or higher can view the PDF files created by Print2PDF.

On-demand, automated, or command-line conversion

Print2PDF provides many ways to convert documents into the open Adobe PDF format. Batch convert documents using Convert2PDF, automate your document workflow using Convert2PDF Server, or use the simple command-line utility. You decide how to integrate PDF conversion services into your organization.

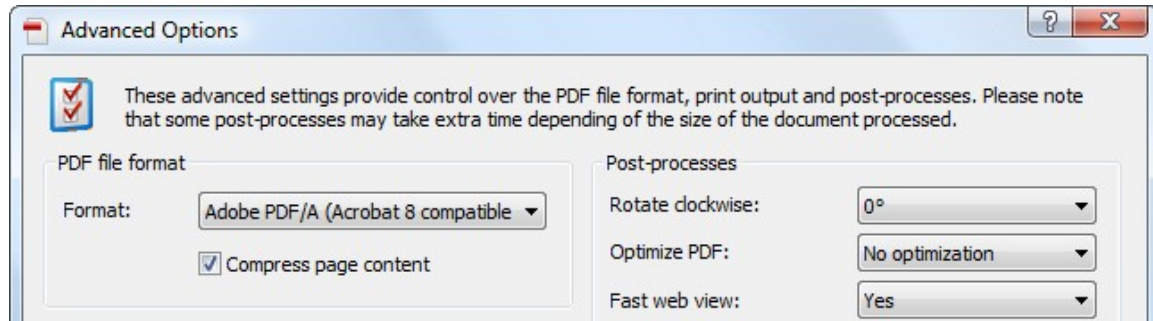


Bookmark, hyperlink and TOC support

The included macro provides complete integration with Microsoft® Word version 2000, 2002, 2003, and 2007. The Print2PDF macro preserves table of contents, hyperlinks and bookmarks for seamless conversion from Word to PDF. This add-in also converts document summary information from Word to PDF metadata. The [Extensible Metadata Platform](#) (XMP) standard is also supported.

ISO 19005-1 PDF/A support

The [PDF/A](#) archive standard ensures that PDF files created today will be usable for years to come. Print2PDF can create PDF files that are compliant with the new public specification from the International Standards Organization.



Over 80 supported file types

Print2PDF can convert popular document types directly to PDF through host application automation. Applications required for conversion are:

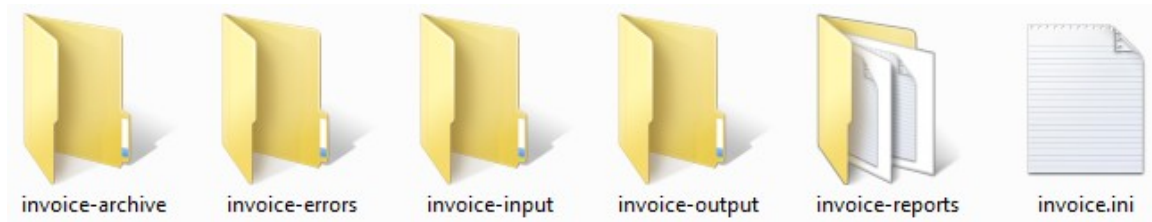
- **Autodesk® Design Review 2008**
 - DWF, DWFX
- **Autodesk® AutoCAD 2000 or higher**
 - DWG, DWS, DXF, DWT
- **Microsoft® Word 2000, 2002, 2003, or 2007**
 - DOC, DOCX, RTF, DOT, DOTX, DOTM, WRI, WPD
- **Microsoft® Excel 2000, 2002, 2003, or 2007**
 - XLS, XLSX, XLSM, XLSB, XLW, XLTX, XLTM, XLT, DBF, CSV
- **Microsoft® PowerPoint 2000, 2002, 2003, or 2007**
 - PPT, PPTX
- **Microsoft® Visio 2000, 2002, 2003, or 2007**
 - VSD, VSS, VST, VDX, VSX, VTX
- **Microsoft® Publisher 2000, 2002, 2003, or 2007**
 - PUB
- **Microsoft® Internet Explorer 6.0+**
 - HTM, HTML, MHT, MHTML, XML
- **Microsoft® Notepad**
 - TXT, LOG
- **OpenOffice.org 2.2+**
 - ODT, ODS, ODP, ODG, ODF

Internally converted file types that do not require a host application:

- Adobe PDF Files (PDF) & Adobe Photoshop Document (PSD)
- Bitmap Images (BMP, DIB) & GIF Images (GIF)
- JPEG Images (JPG, JPEG, JPE)
- Kodak Photo CD (PCD)
- Multi-page TIFF Images (TIF, TIFF, FAX) & Multi-page PCX Images (DCX)
- PNG Images (PNG) & Truevision Targa (TGA) & Windows Metafile (WMF)
- Other Image Types: ANI, BRK, CAL, CLP, CUT, CUR, ICA, ICO, IFF, IMG, LV, MSP, PBM, PCT, PICT, PCX, PNM, PPM, RAS, RGB, RLE, SGI, WPG, XBM, XPM, XWD

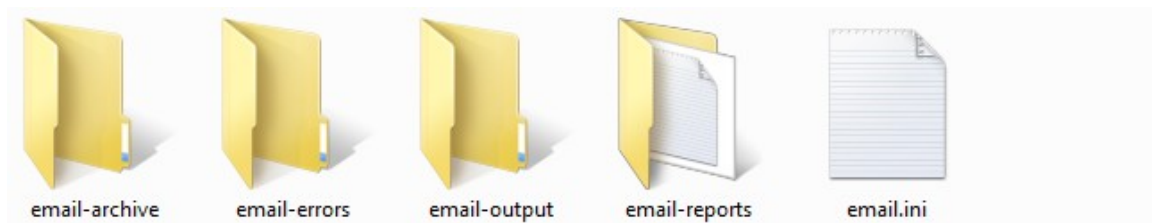
PDF conversion using watched folders

Define multiple watched folders that can be used by your network users to centrally convert documents into Adobe PDF. This feature is perfect for sharing and archiving documents in the PDF format. Watched folders support archiving, error logging and XML reports that contains an MD5 hash of all converted files.



PDF conversion using watched POP3 e-mail

Simple integration with any e-mail server can provide unlimited Adobe PDF conversion services. Archive an entire e-mail account to PDF or provide on-demand PDF conversion for other users. Watched e-mail supports archiving, error logging and XML reports that contains an MD5 hash of all converted files.



Integrated SMTP client provides e-mail automation

Use the built-in SMTP client to send an e-mail with the PDF attachment(s) to an SMTP server. This provides an easy way to extend PDF conversion services to all users in your organization (e.g. convert2pdf@company.com). Send the PDF output to a pre-defined e-mail address or reply to the original sender of the message.

Dynamic folder and file names













Output folder and file names can include variables for date and time to assist in file organization (e.g. %DATE% = 2007-12-31). Other variables are also available.

The variables supported are as follows:

- **%DATETIME%** = 2007-12-31_23-59
- **%DATE%** = 2007-12-31
- **%TIME%** = 12-00
- **%YEAR%** = 2007
- **%MONTH%** = 12
- **%DAY%** = 31
- **%HOUR%** = 23
- **%MINUTE%** = 59
- **%SECOND%** = 59

Fully customizable using VBScript

Print2PDF can be easily customized to add file types, change what host application will be used to convert a certain file, or add specific business logic into conversion scripts using [Microsoft Visual Basic Scripting](#).

 AutoCAD.vbs	9/5/2007 10:11 AM	VBScript Script File	3 KB
 Excel.vbs	9/5/2007 10:11 AM	VBScript Script File	3 KB
 Maintenance.vbs	9/5/2007 9:08 AM	VBScript Script File	2 KB
 MSIE.vbs	9/5/2007 10:24 AM	VBScript Script File	3 KB
 Notepad.vbs	9/5/2007 10:25 AM	VBScript Script File	3 KB
 OpenOffice.vbs	9/5/2007 10:25 AM	VBScript Script File	15 KB
 PowerPoint.vbs	9/5/2007 10:26 AM	VBScript Script File	3 KB
 Publisher.vbs	9/5/2007 10:27 AM	VBScript Script File	3 KB
 Scripts.ini	9/5/2007 9:23 AM	INI File	3 KB
 Shell.vbs	9/5/2007 10:27 AM	VBScript Script File	2 KB
 Visio.vbs	9/5/2007 10:28 AM	VBScript Script File	3 KB
 Word.vbs	9/5/2007 10:29 AM	VBScript Script File	4 KB

If you are looking for an application not listed here, please [let us know](#).

Merge multiple documents into one PDF

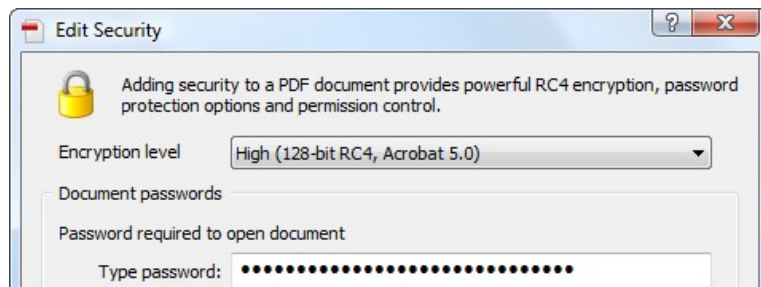
Create a single PDF from multiple sources (AutoCAD, Microsoft® Word, Microsoft® Excel) to create one professional document that anyone can open using the FREE Adobe® Reader® software. Merge documents to the beginning, end or in the middle of an existing PDF document. Empower your entire organization with diverse document assembly between different applications.

Secure PDF documents with encryption

Print2PDF contains many security features that provide complete document protection. The built-in encryption and password protection features keep private information secure, but still allow access to employees who need it. Print2PDF empowers users with a powerful, yet simple way to protect confidential information.

Print2PDF supports 40-bit and 128-bit [RC4](#)

[encryption](#). RC4 encryption uses the same technique currently used to secure web pages via the Secure Socket Layer Protocol (SSL), providing industrial strength encryption for your documents.



Authorize PDF document access with a password

Print2PDF supports two levels of document password protection. A password can be used to protect the document when it is opened, preventing unauthorized access. Another, separately defined password can control any changes made to the document, preventing unauthorized changes. Distribute a PDF with confidence, knowing that unauthorized access and unauthorized changes will not occur without your consent on important documents.

Control PDF content through permissions

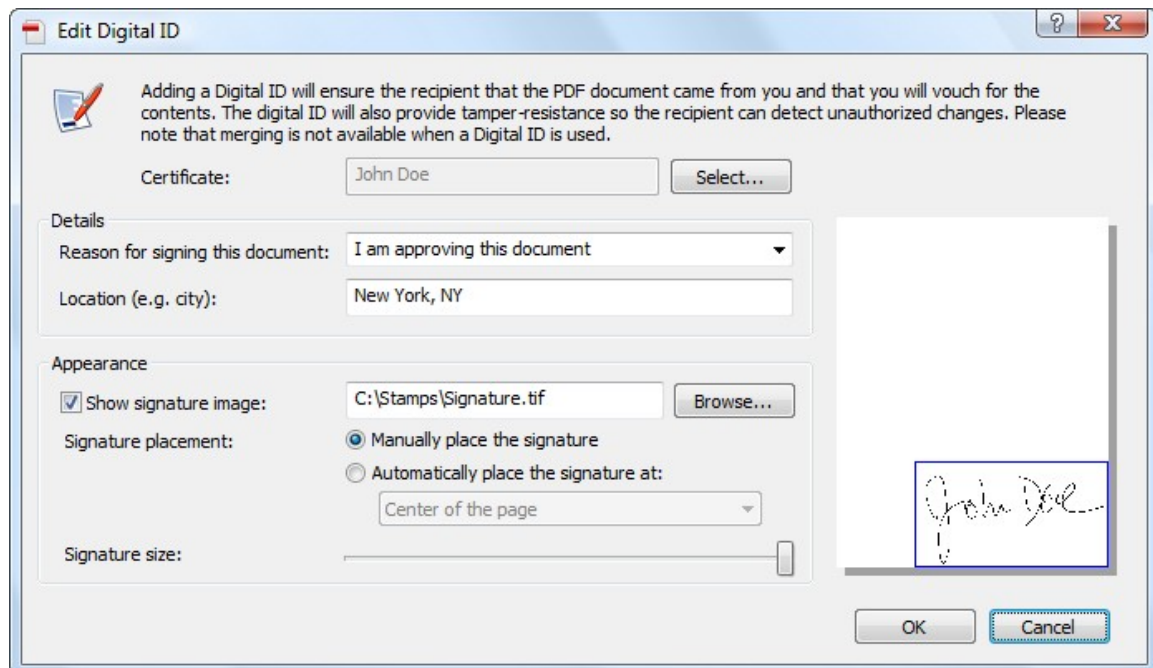
With Print2PDF, documents can be secured with various user permissions. Publish documents to the web and be assured that anyone opening the document will not be able to electronically copy, extract information from, or print the document. Prevent documents from being changed and prevent form fields or document comments from being altered.

Section 508 accessibility compliant

The Adobe® PDF format provides access to document content for screen-reading software ([Section 508](#) compliant). Protect (encrypt) sensitive documents and allow access for screen reader devices with the included accessibility permission options.

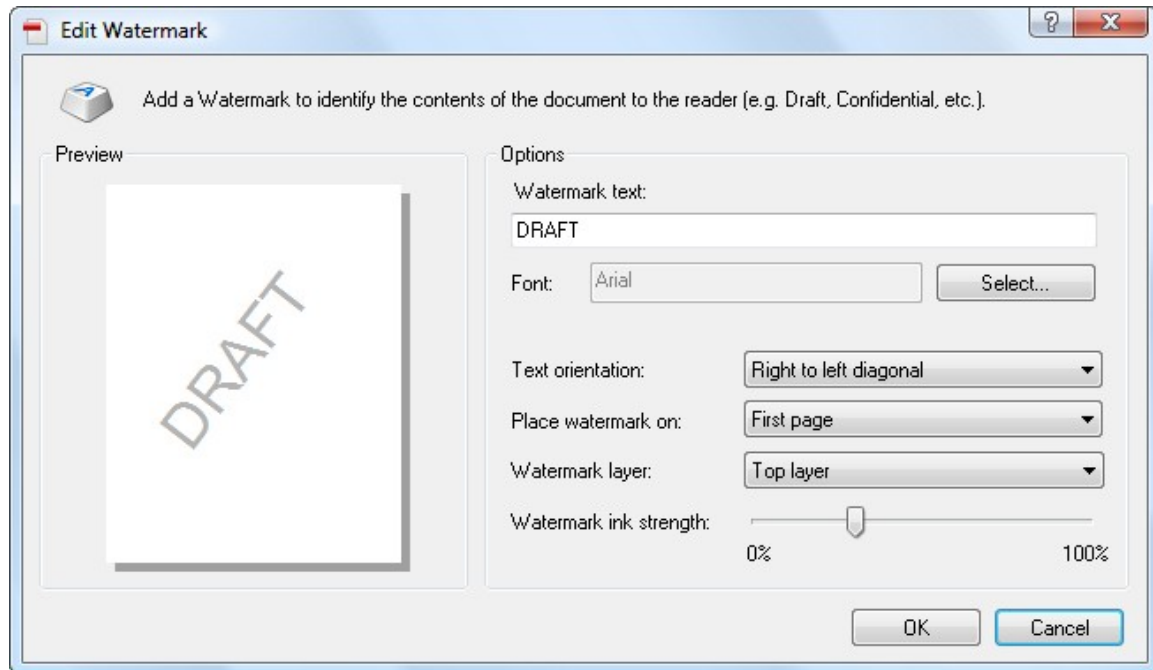
Electronically sign PDF documents

Sign documents electronically using a certificate from the Windows Certificate store to verify author identity and provide tamper-resistance. Print2PDF supports seamless integration with the Windows Certificate store. Use [digital signatures](#) to verify authenticity, track changes between signings, and more. Use a self-signed digital signature or use a certificate obtained from a certificate authority (e.g. Verisign).



Enhance PDF documents with a stamp or watermark

Easily add a stamp or watermark to PDF documents. Configure the watermark with a customizable font, font size and page placement options. Specify the orientation of the watermark (horizontal, vertical, left to right diagonal, right to left diagonal), as well as the visibility of the watermark.



Use the Stamp function to brand the document with a customized image. Use this feature to insert a signature, company logo or seal directly into the document. A stamp can be inserted on the first or all pages of a document. Both the stamp and watermark feature can be inserted on the top or bottom layer of a document.

Choose PDF document quality

Choose between 72 through 2400 DPI to control not only the quality of the print output, but the file size as well. The advanced image processing functions allow for highly configurable image compression, which delivers higher quality images while using less file space. Image compression options include JPEG (lossy, but smaller file size) or ZIP (lossless, but larger file size) for complete image quality output control.

Optimize PDF files for fast web view

Easily optimize PDF files for quick viewing through the web. The linearization process will allow viewers to begin reading the document before it has been completely downloaded. This is a much needed feature for documents published on the Internet.

System requirements

The recommended system configuration for Print2PDF is Windows® 2003 Server on a computer with 1 GB of RAM. Below are the minimum requirements:

Operating Systems

- Windows® 2000 Professional
- Windows® 2000 Server
- Windows® XP Home
- Windows® XP Professional
- Windows® XP Professional x64 Edition
- Windows® Vista™
- Windows® Vista™ x64 Edition
- Windows® Server 2003
- Windows® Server 2003 x64 Edition

Memory and Hard Drive Space

- 512 MB of RAM
- 40 MB for installation

Integration Requirements

- VBScript (VBScript.dll) is used for application automation.
- You must use the same user account for installing the host applications and running the conversion process.
- Print2PDF.dot macro requires Microsoft® Word 2000, 2002, 2003, or 2007.
- Integration with Microsoft® Internet Explorer requires version 5.5 or higher.
- Windows® Vista™ users must disable Protected Mode or add the website to the Trusted Sites list for conversion from Microsoft® Internet Explorer 7.

Host Application Requirements

- Autodesk® Design Review 2008
- Autodesk® AutoCAD 2000 or higher
- Microsoft® Word 2000, 2002, 2003, or 2007
- Microsoft® Excel 2000, 2002, 2003, or 2007
- Microsoft® PowerPoint 2000, 2002, 2003, or 2007
- Microsoft® Visio 2000, 2002, 2003, or 2007
- Microsoft® Publisher 2000, 2002, 2003, or 2007
- Microsoft® Internet Explorer 6.0+
- OpenOffice.org 2.2+

If you are looking for an application not listed here, please [let us know](#).

Practical usage

Print2PDF can be integrated in many ways into your organization's infrastructure. The following are just a few ways Print2PDF can assist your organization with document conversion into the PDF format:

- **E-mail archiving:** Archive all e-mail from a POP3 account to the standard .EML format and provide a PDF/A converted copy as well. Add a digital signature for integrity validation, and RC4 encryption for security.
- **PDF conversion through e-mail:** Setup an e-mail account on your mail server (e.g. convert2pdf@company.com) and allow your users to send approved files (e.g. .doc, .xls, etc.) to this address for conversion. Once the file is converted, it will be immediately sent by e-mail back to the original sender.
- **PDF conversion through shared folders:** Configure a watched shared folder on your network (e.g. shared drive or UNC path) that anyone can copy an approved file into for immediate conversion into PDF.

Licensing

Print2PDF is available in 25 or an unlimited user license to fit any organization's need for PDF conversion services. To view all Licensing options for our Print2PDF technology, visit the Software602 Online Store, here:

<http://www.software602.com/store/>

Conclusion

Every organization needs the ability to create PDF files to maintain interoperability, authenticity and security of confidential information while ensuring that the right person has access to this vital information. All employees need an easy way to create PDF documents to comply with government rules and regulations. Print2PDF is a feature rich solution that provides a simple way for all users to convert documents from shared network folders or watched POP3 e-mail accounts into a secure, industry standard PDF file that can be read by anyone.

Visit the Print2PDF web site for more information, at:

<http://www.software602.com/products/print2pdfconversionserver/>

About Software602

Based in Jacksonville, Florida (USA), Software602, Inc. is an international software vendor providing technology for business with customers in over 200 countries. Our most recognized products are 602LAN SUITE Groupware, a secure messaging solution with web collaboration that contains SMTP/IMAP/LDAP services along with integrated anti-virus & anti-spam protection, along with Print2PDF Server Edition, a network shareable PDF converter.

Software602, Inc.
500 Osceola Avenue
Jacksonville Beach, FL 32250
Toll-free: (888) 468-6602
Phone: (904) 642-5400
Fax: (904) 565-6024

Appendix A: Feature List

- Includes 32-bit (x86) and 64-bit (x64) Print2PDF print drivers
- Creates Adobe® PDF Version 1.3 or 1.4 Files
- Creates ISO 19005-1 PDF/A Files
- Can Run in Dialog or Non-dialog Mode
- Watched Local or Network Folders
- Watched POP3 E-mail Accounts
- Integrated SMTP Client for Automatic Sending by E-mail
- Customizable using VBScript
- Dynamic Folders and File Names
- XML Reports with MD5 Hashes
- Custom profile support
- Output to Local Folder or Network Drive
- Batch Conversion from GUI or Command-line
- Merge print output into an existing PDF file
- Word 2000/2002/2003/2007 conversion with hyperlinks and bookmarks
- Portrait and Landscape Orientation Support
- Supports Any Standard Paper Size up to A0, B0, C0 (e.g. ~39" x 56")
- Metadata support: Title, Author, Subject, Keywords
- Extensible Metadata Platform (XMP) support
- Supports web linearization (fast web view)
- Image-based Stamp Support
- Pre-defined Stamp Placement Support (Bottom right, Center, etc.)
- Text-based Watermark Support
- Stamp and Watermark Adjustable Layer Support
- Automatically Open in Acrobat® Reader
- Supports 40-bit and 128-bit RC4 Encryption
- PDF Permission Support: Printing, Modification, Extraction, Form Filling
- Supports up to 2400 DPI
- Supports Custom Paper Sizes
- Document Password for Opening/Modification
- Supports Digital Signatures via integration with the Windows Certificate store
- Font Embedding and Control
- Can embed TrueType, OpenType and PostScript fonts
- Image compression (ZIP and JPEG)
- Adjustable JPEG Compression Quality
- CCITT image compression for 1-bit images
- Supports 3rd party application integration