

ICEpdf is an open source Java PDF library ideal for displaying and printing PDF documents within any Java application. The ICEpdf API is 100% Java-based, lightweight, fast, efficient and very easy to use. ICEpdf is 100% Java-based. ICEpdf is capable of rendering PDFs up to version 1.6 (Acrobat 7.0), and provides the following features:

- Seamless integration within Java clients, allowing complete control over the configuration, functionality, and user interface.
- A lightweight static and dynamic memory footprint.
- Easy deployment without the hassles of Java-to-native integration issues.
- Can act as a stand-alone PDF viewer, or can be embedded as PDF viewer component in an application.
- Supports document editing and saving for Link Annotation edits. *New in V4.0!*
- Supports text selection and clipboard functions. *New in V4.0!*
- Search results highlighting in the pages that they occur in. *New in V4.0!*
- Support for JBIG2 image compression. *New in V4.0!*
- Render PDFs to image file (PNG, JPEG, GIF) in a server-side web application.
- Robust, efficient, mature PDF parser.
- Supports all PDF embedded font types (Types 0-3, OpenType, TrueType) using the Font Engine included in ICEpdf Pro¹.
- Supports Adobe Standard Security for password-protected documents (40 and 128 bit RC4 or AES).
- Supports interactive link annotation actions; uri, launch and resource.

ICEpdf can be used in a multitude of different ways, including:

1) Java PDF Client:

ICEpdf can easily be integrated into any enterprise-level Java application to provide PDF viewing and navigation in a manner not possible with the Adobe Reader® application. This Java PDF Library includes an embeddable PDF viewer for easy integration within Java client applications. ICEpdf can also stand alone as an enterprise class Java PDF Viewer application. ICEpdf Java Viewer provides:

- Acrobat-like GUI and features: Zoom in/out, rotate, next/previous page, fit to window/width/actual size, pan.
- Multipage view support; continuous and side-by-side view types.
- Utility pane supports Outlines (bookmarks) and document search.
- Document Information and Permissions dialogs.
- Print, Print Setup.
- Keyboard shortcuts, mouse-wheel scrolling, drag-and-drop.

2) PDF Content Conversion:

ICEpdf is the ideal technology for the conversion and extraction of PDF content. This Java PDF Library can be used to convert rendered PDF pages to images, SVG documents, and other file formats.

3) PDF Content Extraction:

Use ICEpdf to extract PDF document meta-data, text, and images.

4) PDF Link Annotations:

Configure ICEpdf to support interactive link annotations via a mouse. An annotation callback gives developers flexibility in which types of link annotation actions they wish to support.

¹ ICEpdf is available in two versions; ICEpdf, the open source version, and ICEpdf Pro which includes an advanced Font Engine.

Supported Platforms

The ICEpdf product is 100% Java and capable of running on the following JVMs:

Windows:	Linux:	Solaris:	Mac OS X:
Sun J2SE 1.5	Sun J2SE 1.5	Sun J2SE 1.5	Apple J2SE 1.5
Sun J2SE 1.6	Sun J2SE 1.6	Sun J2SE 1.6	Apple J2SE 1.6
Sun J2SE 1.7	Sun J2SE 1.7	Sun J2SE 1.7	N/A

Note: For more information, see the ICEpdf Developer Guide.

Deployment Scenarios

Java Client Deployment

ICEpdf is 100% pure Java and can be used with any J2SE or J2EE JVM, v1.3.1 or greater. ICEpdf is fully deployable using standard mechanisms for Java application deployment, such as an Applet or via Java Web Start. ICEpdf can be deployed to client workstations for interactive PDF viewing and navigation, as well as headless server environments for non-visual PDF content conversion and extraction applications.

Java Servlet (JSP or JSF) Deployment

This ICEpdf Java Library can also be deployed in a Servlet on any Java Application server to render PDF files. ICEpdf acts as a Java EE PDF engine and renders the requested files server side, converts them to a specified image format, and serves the pages back in the form of a standard web page.

ICEpdf Font Engine

The ICEpdf Font Engine* provides embedded font support for:

- Type 1 Fonts (Standard and Multiple Master)
- Type3, CMaps (predefined and Embedded)
- Type 2 CID
- Type 1 (CFF)
- OpenType (CFF Type outlines)
- TrueType, Font Subsets
- Type 0 CID
- Type 0
- OpenType (True Type Outlines)

*The ICEpdf Font Engine is included in the Pro edition of ICEpdf. Refer to the ICEpdf Pro Support Options for pricing and detailed support information.

ICEpdf Support

Investing in ICEpdf Support allows you to develop and deploy your ICEpdf projects with confidence. Customized support packages deliver development and production support for all types of ICEpdf applications. Expert development and deployment advice, along with the added protection of Certified Releases and Emergency Patches, allows your team to assuredly roll ICEpdf applications into a production environment, and maintain them over time.

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ICEpdf Pro License

	License A	License B	License C	License D
Software				
ICEpdf	✓	✓	✓	✓
ICEpdf Pro Font Engine	✓	✓	✓	✓
License Type	Commercial	Commercial	Commercial	Commercial
Update Services				
# of Clients	1,000	5,000	10,000	Unlimited
and / or servers	2	5	10	Unlimited
Pricing (per application)				
Annual Subscription (per Year) ¹	\$1,000	\$1,750	\$2,250	Contact Us
Deployment Buyout ²	\$1,500	\$3,000	\$4,000	Contact Us

1 - Professional support included in Annual Subscription Pricing. Premium upgrade +\$250. Maintenance only downgrade -\$500.

2 - Professional support included in year 1 of Deployment Buyout. Premium upgrade +\$250. Maintenance only downgrade -\$500.

Support Options

	Maintenance	Professional	Premium
Software			
ICEpdf	✓	✓	✓
ICEpdf Pro Font Engine	✓	✓	✓
License Type	Commercial	Commercial	Commercial
Update Services			
Software Update Notification		✓	✓
Technical Alerts		✓	✓
Certified Releases & Updates		✓	✓
Problem Resolution			
Number of Incidents		50	Unlimited
Email Access		✓	✓
Phone Access		✓	✓
Support Access ³		Extended Hrs.	Extended Hrs.
7X24 Support		Optional	Optional
Emergency Response Time ⁴		8 Hours	4 Hours
Emergency Bug Fix Escalation		✓	✓
Emergency Patch			✓
Custom Build			✓
Support Tools & Training			
Online Case Management		✓	✓
Remote Desktop Sharing		✓	✓
Indemnification			
License Indemnification			✓
Response Time			
B1		8 Hours	4 Hours
B2		1 Day	1 Day
B3		5 Days	5 Days
B4		10 Days	10 Days
Response Time			
Per developer per year	\$250	\$750	\$1,000

3 - Standard Hours = 8:00 - 16:00 GMT / 8:00 - 18:00 EST. Extended Hours = 8:00 - 19:00 GMT / 8:00 - 19:00 EST

4 - Emergency Response Times only apply to B1 issue.

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Detailed list of Supported Feature in ICEpdf 3.0	PDF Ref Section	Introduced in PDF Spec Version						ICEpdf	ICEpdf Pro
		1.0	1.1	1.2	1.3	1.4	1.5		
Filters									
ASCIISHexDecode	3.3.1	✓						✓	✓
ASCIIS85Decode	3.3.2	✓						✓	✓
LZWDecode	3.3.3	✓						✓	✓
FlateDecode	3.3.3			✓				✓	✓
RunLengthDecode	3.3.4	✓						✓	✓
CCITTFaxDecode									
Group 4	3.3.5	✓						✓	✓
Group 3, 1-D	3.3.5	✓						✓	✓
Group 3, 2-D	3.3.5	✓						✓	✓
JBIG2Decode	3.3.6					✓		✓	✓
DCTDecode (No transformations)	3.3.7	✓						✓	✓
File Structure									
File Body	3.4.2	✓						✓	✓
Cross-Reference Table	3.4.3	✓						✓	✓
File Trailer	3.4.4	✓						✓	✓
Incremental Updates	3.4.5					✓		✓	✓
Object Streams	3.4.6						✓	✓	✓
Cross-Reference Stream	3.4.7						✓	✓	✓
Encryption									
Standard Security Handler	3.5.2		✓					✓	✓
Document Structure									
Document Catalog	3.6.1		✓					✓	✓
Page Layout									
Singe Page View	3.6.1	✓						✓	✓
One Column View	3.6.1	✓						✓	✓
Two Column Left View	3.6.1	✓						✓	✓
Two Column Right View	3.6.1	✓						✓	✓
Two Page Left View	3.6.1						✓	✓	✓
Two Page Right View	3.6.1						✓	✓	✓
Page Tree									
Page Objects	3.6.2		✓					✓	✓
Inheritance of Page Attributes	3.6.2		✓					✓	✓
Functions									
Type0 (Sampled) Functions	3.9.1			✓				✓	✓
Type2 (Exponential Interpolation) Functions	3.9.2			✓				✓	✓
Type3 (Stitching) Functions	3.9.3			✓				✓	✓
Graphics									
Graphics States									
Device Independent									
Line Width	4.3.2	✓						✓	✓
Line Cap Style	4.3.2	✓						✓	✓
Line Join Style	4.3.2	✓						✓	✓
Miter Limit	4.3.2	✓						✓	✓
Line Dash Pattern	4.3.2	✓						✓	✓
Alpha Constant	4.3.2					✓		✓	✓
Path Construction									
Cubic Bezier Curves	4.4.1	✓						✓	✓
Sub Paths	4.4.1	✓						✓	✓
Lines	4.4.1	✓						✓	✓
Rectangles	4.4.1	✓						✓	✓
Path-Painting Operators									
Stroking	4.4.2	✓						✓	✓
Filling									
Nonzero Winding Number Rule	4.4.2	✓						✓	✓
Even-Odd Rule	4.4.2	✓						✓	✓
Clipping Path Operators	4.4.3	✓						✓	✓
Color Spaces									
Device Color Spaces									
Device Gray	4.5.3		✓					✓	✓
Device RGB	4.5.3		✓					✓	✓
Device CMYK	4.5.3		✓					✓	✓
CIE-Based Color Spaces									
ICCBased Color Spaces	4.5.4				✓			✓	✓
Special Color Spaces									
Pattern Color Spaces	4.5.5			✓				✓	✓
Indexed Color Spaces	4.5.5		✓					✓	✓
Separation Color Spaces	4.5.5			✓				✓	✓
DeviceN Color Spaces	4.5.5				✓			✓	✓
Patterns									
Shading	4.6				✓			✓	✓
	4.6.3				✓			✓	✓
External Objects									
Image XObjects	4.7	✓						✓	✓
Form XObjects	4.7	✓						✓	✓

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Detailed list of Supported Feature in ICEpdf 3.0		PDF Ref Section	Introduced in PDF Spec Version								ICEpdf	ICEpdf Pro
			1.0	1.1	1.2	1.3	1.4	1.5	1.6			
Images												
	Decode Arrays	4.8.4	✓								✓	✓
	Image Interpolation	4.8.4	✓								✓	✓
	Masked Images											
	Stencil Masking	4.8.5	✓								✓	✓
	Explicit Masking	4.8.5				✓					✓	✓
	Color Key Masking	4.8.5				✓					✓	✓
	Inline Images	4.8.6	✓								✓	✓
	Form XObjects											
	Form Dictionaries	4.9.1	✓								✓	✓
Text												
Text State Parameters												
	Character Spacing	5.2.1	✓								✓	✓
	Word Spacing	5.2.2	✓								✓	✓
	Horizontal Scaling	5.2.3	✓								✓	✓
	Leading	5.2.4	✓								✓	✓
	Text Rise	5.2.6	✓								✓	✓
Simple Fonts												
	Type 1 Fonts											
	Standard Type 1 Fonts	5.5.1	✓									✓
	Multiple Master Fonts	5.5.1	✓									✓
	TrueType Fonts	5.5.2										✓
	Font Subsets	5.5.3	✓									✓
	Type 3 Fonts	5.5.4										✓
Composite Fonts												
	CIDFonts	5.6.3										✓
	Cmaps											
	Predefined Cmaps	5.6.4										✓
	Embedded Cmap Files	5.6.4										✓
	Type 0 CIDFonts	5.8										✓
	Type 2 CIDFonts	5.8										✓
	Font Descriptors	5.7								✓		✓
Other Font Programs												
	Type 0 Fonts	5.8										✓
	Type 1(CFF)	5.8			✓							✓
	OpenType (True Type outlines)	5.8								✓		✓
	OpenType (CFF Type outlines)	5.8								✓		✓
Interactive Features												
Viewer Preferences												
	Hide Tool bar	8.1	✓								✓	✓
	Hide Menu bar	8.1	✓								✓	✓
	Fit Window	8.1	✓								✓	✓
	Center Window	8.1	✓								✓	✓
	Display Document Title	3.1					✓				✓	✓
	Document Page Mode	8.1	✓								✓	✓
	Outlines	8.1	✓								✓	✓
	Optional content group	8.1	✓								✓	✓
	Print Scaling	8.1							✓		✓	✓
Document-Level Navigation												
	Destinations	8.2.1	✓								✓	✓
	Document Outline	8.2.1	✓								✓	✓
	Link Annotation	8.4.5	✓								✓	✓
	Go To actions	8.5.3	✓								✓	✓
	Go to resource actions	8.5.3	✓								✓	✓
	Go to launch actions	8.5.3	✓								✓	✓
	URI actions	8.5.3	✓								✓	✓
	Annotations*	8.4	✓								✓	✓
	Annotation Flags	8.4.2		✓	✓	✓					✓	✓
	Border Styles	8.4.3			✓						✓	✓
	Appearance Streams	8.4.4			✓						✓	✓
	Annotation Types	8.4.5									✓	✓
	Markup Annotations	8.4.5	✓								✓	✓
	Annotation States	8.4.5							✓		✓	✓
	Text Annotations	8.4.5	✓								✓	✓
	Free Text Annotations	8.4.5				✓					✓	✓
	Line Annotations	8.4.5				✓					✓	✓
	Square & Circle Annotations	8.4.5				✓					✓	✓
	Polygon and Polyline Annotations	8.4.5							✓		✓	✓
	Text Markup Annotations	8.4.5				✓					✓	✓
Interactive Forms												
	Button Fields											
	Push Buttons	8.6.3			✓						✓	✓
	Check boxes	8.6.3			✓						✓	✓
	Radio Buttons	8.6.3			✓						✓	✓
	Text Fields	8.6.3			✓						✓	✓
	Choice Fields	8.6.3			✓						✓	✓

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