

ICEPDF™

ICEpdf™ is a pure Java PDF document rendering and viewing solution. ICEpdf can parse and render documents based on the latest PDF standards (Portable Document Format v1.6 / Adobe Acrobat 7) with superior rendering accuracy and performance. ICEpdf can be used for:

PDF Viewing: ICEpdf can easily be integrated into any enterprise level Java application to provide PDF document viewing and navigation in a manner not possible with the Adobe Reader® application. ICEpdf includes an embeddable PDF document viewer component for easy integration within Java client applications. ICEpdf can also be used standalone as an industrial strength PDF Viewer application.

PDF Content Conversion: Convert rendered PDF pages to images, SVG documents, etc.

PDF Content Extraction: Extract PDF document meta-data, text, and images.

ICEbrowser Pilot: Extend ICEbrowser to support PDF document rendering using the included ICEbrowser PDF Pilot component.

Supported Platforms

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

Windows:

Sun JDK 1.3.1
Sun J2SE 1.4.x
Sun J2SE 1.5.0

Linux:

Sun JDK 1.3.1
Sun J2SE 1.4.x
Sun J2SE 1.5.0

Solaris:

Sun JDK 1.3.1
Sun J2SE 1.4.x
Sun J2SE 1.5.0

Mac OS X

Sun JDK 1.3.1
Sun J2SE 1.4.x
Sun J2SE 1.5.0

Product Features

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

Rendering Engine:

- > Robust, efficient, mature PDF parser
- > Supports all PDF specification versions, including v1.6 (Acrobat 7)
- > Supports all PDF embedded font types (Types 0-3, OpenType, TrueType)
- > Font substitution optimized per-platform
- > Supports incremental document loading - reduced time to view first page
- > Supports Adobe Standard Security

Viewer:

- > Embeddable viewer component and stand-alone application
- > Acrobat-like GUI and features
- > Zoom in/out, rotate, Next/Prev Pg., Fit to window/width/actual size, Pan
- > Utility pane supports Outlines (bookmarks) and document search
- > Document Information and Permissions dialogs
- > Print, Print Setup
- > Keyboard shortcuts, Mouse-wheel scrolling, Drag-and-drop
- > Commercial quality - deploy as is or customize as desired
- > Viewer source code included for rapid customization and learning

Deployment Scenarios

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 both client workstations for interactive PDF viewing and navigation as well as headless server environments for non-visual PDF content conversion and extraction applications.

Customer Support

To ensure your success integrating and using ICEpdf in your project, ICEpdf includes 30 days of technical support provided by ICEsoft's professional customer support team. Additional support packages are available as required.



Supported Features

	ICEpdf 2.0	PDF Specification Version						
		1.0	1.1	1.2	1.3	1.4	1.5	1.6
File Structure								
File Body	● X							
Cross-Reference Table	● X							
File Trailer	● X							
Incremental Updates	●					X		
Object Streams	●						X	
Cross-Reference Stream	●						X	
Document Structure								
Document Catalog	● X							
Page Tree	● X							
Page Objects	● X							
Inheritance of Page Attributes	● X							
Text								
Text State Parameters								
Character Spacing	● X							
Word Spacing	● X							
Horizontal Scaling	● X							
Leading	● X							
Text Rise	● X							
Simple Fonts								
Type 1 Fonts								
Standard Type 1 Fonts	● X							
Multiple Master Fonts	● X							
TrueType Fonts	● X							
Font Subsets	● X							
Type 3 Fonts	● X							
Composite Fonts								
CIDFonts								
Cmaps								
Predefined Cmaps	●				X			
Embedded Cmap Files	●				X			
Type 0 CIDFonts	●				X			
Type 2 CIDFonts	●				X			
Font Descriptors	● X							
Other Font Programs								
Type 0 Fonts	●							
Type 1(CFF)	●			X				
OpenType (True Type outlines)	●							X
OpenType (CFF Type outlines)	●							X
Encryption								
Standard Security Handler	●		X					
Interactive Features								
Viewer Preferences								
Hide Tool bar	● X							
Hide Menu bar	● X							
Fit Window	● X							
Center Window	● X							
Outlines	● X							
Optional content group	● X							
Page reading order	●			X				
Print Scaling	●							X
Document-Level Navigation								
Destinations	● X							
Document Outline	● X							

	ICEpdf 2.0	PDF Specification Version						
		1.0	1.1	1.2	1.3	1.4	1.5	1.6
Graphics								
Graphics States								
Device Independent								
Line Width	● X							
Line Cap Style	● X							
Line Join Style	● X							
Miter Limit	● X							
Line Dash Pattern	● X							
Rendering Intent	●							
Alpha constant	●						X	
Path Construction								
Cubic Bézier Curves								
Sub Paths	● X							
Lines	● X							
Rectangles	● X							
Path-Painting Operators								
Stroking								
Nonzero Winding	● X							
Even-Odd Rule	● X							
Clipping Path Operators								
Color Spaces								
Device Color Spaces								
Device Gray	●		X					
Device RGB	●		X					
Device CMYK	●		X					
ICCBased Color Spaces	●		X					
Special Color Spaces								
Pattern Color Spaces	●				X			
Indexed Color Spaces	●		X					
Separation Color Spaces	●			X				
DeviceN Color Spaces	●					X		
External Objects								
Image Xobjects	● X							
Form Xobjects	● X							
Images								
Decode Arrays	●		X					
Image Interpolation	●		X					
Masked Images	●		X					
Stencil Masking	●		X					
Explicit Masking	●					X		
Color Key Masking	●					X		
Inline Images								
Form Xobjects	●		X					
Form Dictionaries	●		X					
Filters								
ASCIIHexDecode	● X							
ASCII85Decode	● X							
LZWDecode	● X							
FlateDecode	●				X			
RunLengthDecode	● X							
CCITTFaxDecode								
Group 4	● X							
Group 3, 1-D	● X							
Group 3, 2-D	● X							
DCTDecode (No transformations)	● X							