

MangoApps Document Viewer

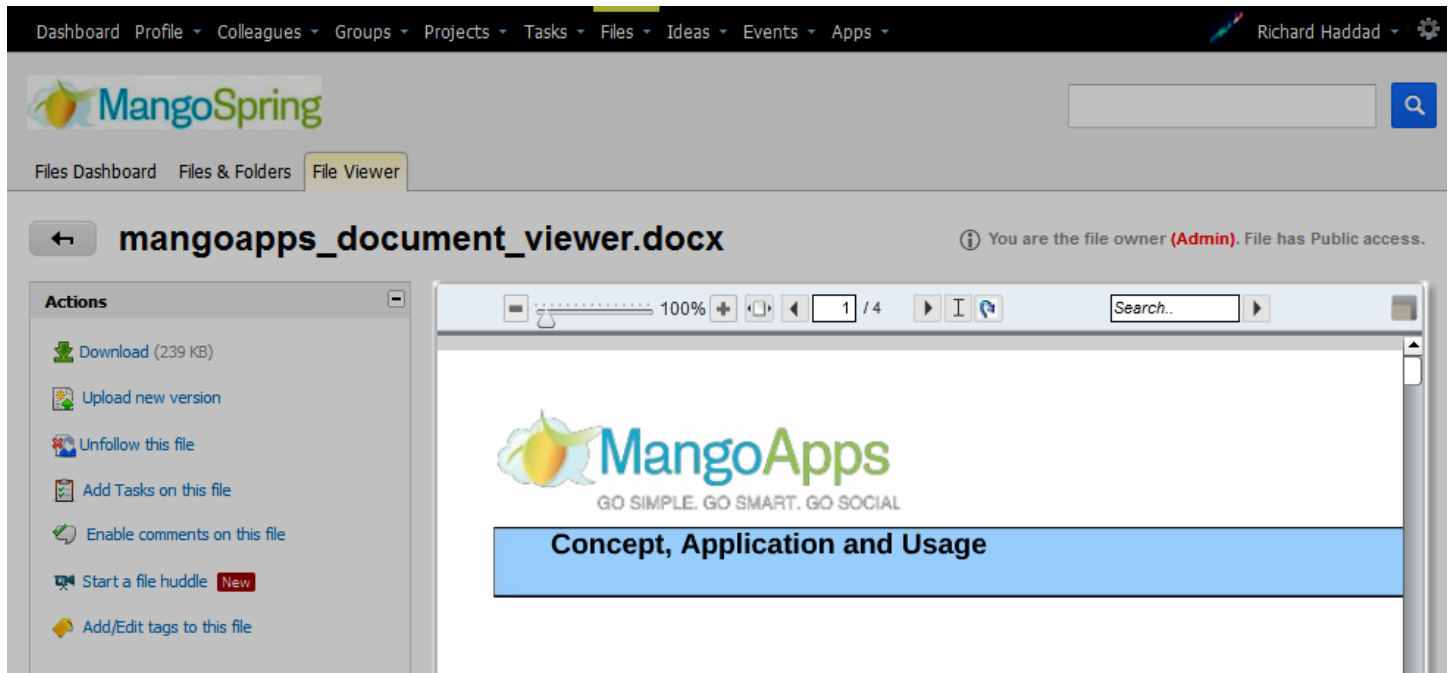
Concept, Application and Usage

MangoApps has just rolled out an all-new document viewer for opening more than 300 file types. The end user does not need to download or install any additional software normally required by other document viewers. You can zoom in, view, and copy information from documents right from the web or desktop. By the end of this document we will have answered your questions including:

- What is the MangoApps document Viewer?
- What User Actions are available in the MangoApps Document Viewer?
- What browsers does the MangoApps Document Viewer work on?
- What document file types are supported by the MangoApps Document Viewer?
- What is the maximum file size the MangoApps Document Viewer can display?
- Can I print my document with the MangoApps Document Viewer?

What is the MangoApps Document Viewer?

The MangoApps Document Viewer allows users to view any kind of document as fast as possible without downloading or installing anything on the client side. The MangoSpring Document Viewer uses state-of-the-art conversion methodologies to render documents on the fly. Included with the viewer is a unique set of user actions to render, enrich, and dynamically view and act on content.



What User Actions are available in the MangoApps Document Viewer?

Depending on the document file type, user actions include:

- Print your document
- Zoom in or out using the Zoom Slider
- Fit your document to the width of the window
- Navigate quickly through multiple pages of the document
- Select and copy content from the document
- Rotate your document 90 degrees clockwise
- Search for text within your document
- Switch to full screen document viewing

What browsers does the MangoApps Document Viewer work on?




The MangoSpring Document Viewer will work on 99% of the world's browsers as long as JavaScript is enabled. The shortened list of modern browsers that are certified with the MangoSpring Document Viewer includes: Microsoft Internet Explorer, Mozilla Firefox, Google Chrome, Apple Safari, and Opera.



What document file types are supported by the MangoApps Document Viewer?

Currently we support more than 300 document types and the list continues to grow. Some of the common file types are listed below. Email us for a complete list of supported document types.

Microsoft Office

-  doc, docx
-  ppt, pptx
-  xls, xlsx

Adobe PDF

-  pdf

Sun Open Office



-  odt, sxw, ods, sxc, odp, sxi, odg

Image File Types

-  jpg, bmp, png, gif, tiff

Text

-  txt, rtf, wpd

AutoCad

-  dwf, dxf

What is the maximum file size the MangoApps Document Viewer can display?

There is NO limit on file size or page size. Larger files may load slowly depending on your internet connection.

Can I print my document with the MangoApps Document Viewer?











Yes, you can print your document directly from the viewer window using “Print” user action.

Questions about Document Viewer or MangoApps?

We'd be happy to hear from you by email: support@mangospring.com or by telephone: (425) 274-9950 to answer any questions you may have about our product.

Appendix







Below is the complete list of supported file types for MangoApps Doc Viewer.



Text Formats		
ICON	EXTENSION	FILE TYPE
	bib	BibTeX [.bib]
	doc	Microsoft Word 97/2000/XP [.doc]
	doc6	Microsoft Word 6.0 [.doc]
	docx	Microsoft Word 2007/2010 [.docx]
	docbook	DocBook [.xml]
	html	HTML Document (OpenOffice.org Writer) [.html]
	odt	Open Document Text [.odt]
	ott	Open Document Text [.ott]
	ooxml	Microsoft Office Open XML [.xml]
	pdb	AportisDoc (Palm) [.pdb]
	pdf	Portable Document Format [.pdf]
	psw	Pocket Word [.psw]
	rtf	Rich Text Format [.rtf]
	ltx	LaTeX 2e [.ltx]
	sdw	StarWriter 5.0 [.sdw]
	sdw4	StarWriter 4.0 [.sdw]
	sdw3	StarWriter 3.0 [.sdw]
	stw	Open Office.org 1.0 Text Document Template [.stw]
	sxw	Open Office.org 1.0 Text Document [.sxw]
	text	Text Encoded [.txt]
	txt	Plain Text [.txt]
	vor	StarWriter 5.0 Template [.vor]
	vor4	StarWriter 4.0 Template [.vor]
	vor3	StarWriter 3.0 Template [.vor]
	xhtml	XHTML Document [.html]

Graphic Formats

ICON	EXTENSION	FILE TYPE
	ART	PFS: 1st Publisher
	ARW	Sony Digital Camera Alpha Raw Image Format
	AVS	AVS X image
	bmp	Windows Bitmap [.bmp] Compressed/Uncompressed
	CIN	Kodak Cineon Image Format
	CMYK	Raw cyan, magenta, yellow, and black samples
	CMYKA	Raw cyan, magenta, yellow, black, and alpha samples
	CRW	Canon Digital Camera Raw Image Format
	CUR	Microsoft Cursor Icon
	CUT	DR Halo
	DCM	Digital Imaging and Communications in Medicine (DICOM) image
	DCR	Kodak Digital Camera Raw Image File
	DCX	ZSoft IBM PC multi-page Paintbrush image
	DIB	Microsoft Windows Device Independent Bitmap
	DPX	SMPTE Digital Moving Picture Exchange 2.0 (SMPTE 268M-2003)
	dwf	AutoCAD formats 2009, 2008, 2007, 2006,2005, 2004, 2002, 2000i,
	dwf,dxf	Auto Cad Drawing [.dwf, .dxf]
	dwg	AutoCAD formats 2009, 2008, 2007, 2006,2005, 2004, 2002, 2000i,
	dxf	AutoCAD formats 2009, 2008, 2007, 2006,2005, 2004, 2002, 2000i,
	emf	Enhanced Metafile [.emf]
	EPDF	Encapsulated Portable Document Format
	EPI	Adobe Encapsulated PostScript Interchange format
	eps	Encapsulated PostScript [.eps]
	EPS2	Adobe Level II Encapsulated PostScript
	EPS3	Adobe Level III Encapsulated PostScript
	EPSF	Adobe Encapsulated PostScript
	EPSI	Adobe Encapsulated PostScript Interchange format
	EPT	Adobe Encapsulated PostScript Interchange format with TIFF preview
	EXR	High dynamic-range (HDR) file format
	FAX	Group 3 TIFF
	FITS	Flexible Image Transport System
	GIF	CompuServe Graphics Interchange Format
	GRAY	Raw gray samples
	HALD	Identity Hald CLUT Image
	HRZ	Slow Scane TeleVision
	ICO	Microsoft icon



ICON	EXTENSION	FILE TYPE
	INFO	Format and characteristics of the image
	JNG	Multiple-image Network Graphics
	JP2	JPEG-2000 JP2 File Format Syntax
	JPC	JPEG-2000 Code Stream Syntax
	JPEG	Joint Photographic Experts Group JFIF format
	JPG	Joint Photographic Experts Group [.jpg]
	MAT	MATLAB image format
	MET	OS/2 Metafile [.met]
	MIFF	Magick image file format
	MONO	Bi-level bitmap in least-significant-byte first order
	MPC	Magick Persistent Cache image file format
	MRW	Sony (Minolta) Raw Image File
	MSL	Magick Scripting Language
	MTV	MTV Raytracing image format
	MVG	Magick Vector Graphics.
	NEF	Nikon Digital SLR Camera Raw Image File
	ODD	OpenDocument Drawing [.odd]
	ORF	Olympus Digital Camera Raw Image File
	OTB	On-the-air Bitmap
	OTG	OpenDocument Drawing Template [.otg]
	P7	Xv's Visual Schnauzer thumbnail format
	PALM	Palm pixmap
	PAM	Common 2-dimensional bitmap format
	PBM	Portable bitmap format (black and white)
	pbm	Portable Bitmap [.pbm]
	PCD	Photo CD
	PCDS	Photo CD
	PCL	HP Page Control Language
	pct	Mac Pict [.pct]
	PCX	ZSoft IBM PC Paintbrush file
	PDB	Palm Database ImageViewer Format
	pdf	Portable Document Format [.pdf]
	PEF	Pentax Electronic File
	PFA	Postscript Type 1 font (ASCII)
	PFB	Postscript Type 1 font (binary)
	PFM	Portable float map format
	PGM	Portable graymap format (gray scale)
	PGM	Portable Graymap [.pgm]
	PICON	Personal Icon
	PICT	Apple Macintosh QuickDraw/PICT file

ICON	EXTENSION	FILE TYPE
	PIX	Alias/Wavefront RLE image format
	PNG	Portable Network Graphics
	PNG24	Portable Network Graphics
	PNG32	Portable Network Graphics
	PNG8	Portable Network Graphics
	PNM	Portable anymap
	PPM	Portable pixmap format (color)
	PS	Adobe PostScript file
	PS2	Adobe Level II PostScript file
	PS3	Adobe Level III PostScript file
	PSD	Adobe Photoshop bitmap file
	PTIF	Pyramid encoded TIFF
	PWP	Seattle File Works multi-image file
	RAD	Radiance image file
	RAF	Fuji CCD-RAW Graphic File
	ras	Sun Raster Image [.ras]
	RGB	Raw red, green, and blue samples
	RGBA	Raw red, green, blue, and alpha samples
	RLA	Alias/Wavefront image file
	RLE	Utah Run length encoded image file
	SCT	Scitex Continuous Tone Picture
	SFW	Seattle File Works image
	SGI	Irix RGB image
	std	OpenOffice.org 1.0 Drawing Template [.std]
	SUN	SUN Rasterfile
	SVG	Scalable Vector Graphics
	svm	StarView Metafile [.svm]
	sxd	OpenOffice.org 1.0 Drawing [.sxd]
	sxd3	StarDraw 3.0 [.sxd]
	sxd5	StarDraw 5.0 [.sxd]
	TGA	Truevision Targa image
	tiff	Tagged Image File Format [.tiff]
	tiff	Tagged Image File Format [.tiff] TIFF_CMYK
	tiff	Tagged Image File Format [.tiff] TIFF_JPEG
	tiff	Tagged Image File Format [.tiff] TIFF_LZW
	tiff	Tagged Image File Format [.tiff] TIFF_UNCOMPRESSED
	TIM	PSX TIM file











ICON	EXTENSION	FILE TYPE
	TTF	TrueType font file
	TXT	Raw text file
	UIL	X-Motif UIL table
	UYVY	Interleaved YUV raw image
	VICAR	VICAR rasterfile format
	VIFF	Khoros Visualization Image File Format
	vor	StarDraw 5.0 Template [.vor]
	vor3	StarDraw 3.0 Template [.vor]
	WBMP	Wireless bitmap
	wmf	Windows Metafile [.wmf]
	WPG	Word Perfect Graphics File
	X	display or import an image to or from an X11 server
	X3F	Sigma Camera RAW Picture File
	XBM	X Windows system bitmap, black and white only
	XCF	GIMP image
	XPM	X Windows system pixmap
	XWD	X Windows system window dump
	YCbCr	Raw Y, Cb, and Cr samples
	YCbCrA	Raw Y, Cb, Cr, and alpha samples
	YUV	CCIR 601 4:1:1

Presentation Formats

ICON	EXTENSION	FILE TYPE
	bmp	Windows Bitmap [.bmp]
	emf	Enhanced Metafile [.emf]
	eps	Encapsulated PostScript [.eps]
	gif	Graphics Interchange Format [.gif]
	html	HTML Document (OpenOffice.org Impress) [.html]
	jpg	Joint Photographic Experts Group [.jpg]
	met	OS/2 Metafile [.met]
	odd	OpenDocument Drawing (Impress) [.odd]
	odg	OpenOffice.org 1.0 Drawing (OpenOffice.org Impress)[.odg]
	odp	OpenDocument Presentation [.odp]
	pbm	Portable Bitmap [.pbm]
	pct	Mac Pict [.pct]
	pdf	Portable Document Format [.pdf]
	pgm	Portable Graymap [.pgm]
	png	Portable Network Graphic [.png]
	pot	Microsoft PowerPoint 97/2000/XP Template [.pot]
	ppm	Portable Pixelmap [.ppm]
	ppt	Microsoft PowerPoint 97/2000/XP [.ppt]
	pptx	Microsoft PowerPoint 2007/2010 [.pptx]
	pwp	PlaceWare [.pwp]
	ras	Sun Raster Image [.ras]
	sda	StarDraw 5.0 (OpenOffice.org Impress) [.sda]
	sdd	StarImpress 5.0 [.sdd]
	sdd3	StarDraw 3.0 (OpenOffice.org Impress) [.sdd]
	sdd4	StarImpress 4.0 [.sdd]
	sti	OpenOffice.org 1.0 Presentation Template [.sti]
	stp	OpenDocument Presentation Template [.stp]
	svg	Scalable Vector Graphics [.svg]
	svm	StarView Metafile [.svm]
	sxi	OpenOffice.org 1.0 Presentation [.sxi]

ICON	EXTENSION	FILE TYPE
	tiff	Tagged Image File Format [.tiff]
	vor	StarImpress 5.0 Template [.vor]
	vor3	StarDraw 3.0 Template (OpenOffice.org Impress) [.vor]
	vor4	StarImpress 4.0 Template [.vor]
	vor5	StarDraw 5.0 Template (OpenOffice.org Impress) [.vor]
	wmf	Windows Metafile [.wmf]
	xhtml	XHTML [.xml]
	xpm	X PixMap [.xpm]

Spreadsheet Formats

	csv	Text CSV [.csv]
	dbf	dBase [.dbf]
	dif	Data Interchange Format [.dif]
	html	HTML Document (OpenOffice.org Calc) [.html]
	ods	Open Document Spreadsheet [.ods]
	ooxml	Microsoft Excel 2003 XML [.xml]
	pdf	Portable Document Format [.pdf]
	pts	OpenDocument Spreadsheet Template [.pts]
	pxl	Pocket Excel [.pxl]
	sdc	StarCalc 5.0 [.sdc]
	sdc4	StarCalc 4.0 [.sdc]
	sdc3	StarCalc 3.0 [.sdc]
	slk	SYLK [.slk]
	stc	OpenOffice.org 1.0 Spreadsheet Template [.stc]
	sxc	OpenOffice.org 1.0 Spreadsheet [.sxc]
	vor3	StarCalc 3.0 Template [.vor]
	vor4	StarCalc 4.0 Template [.vor]
	vor	StarCalc 5.0 Template [.vor]
	xhtml	XHTML [.xhtml]
	xls	Microsoft Excel 97/2000/XP [.xls]
	xls5	Microsoft Excel 5.0 [.xls]
	xls95	Microsoft Excel 95 [.xls]
	xlsx	Microsoft Excel 2007/2010 [.xlsx]
	xlt	Microsoft Excel 97/2000/XP Template [.xlt]
	xlt5	Microsoft Excel 5.0 Template [.xlt]
	xlt95	Microsoft Excel 95 Template [.xlt]

Email Formats





msg	Microsoft Outlook Message Format
eml	Outlook Express Email Format

Fax Formats

apf	Apro, MightyFax, Fax2000, Snappy Fax [.apf]
awd	Microsoft AWD fax [.awd]
bfx	BitFax BFX fax [.bfx]
cal	CALS Group 4 image/fax [.cal]
mil	CALS Group 4 Type 1 image/fax [.mil]
img	CALS Group 4 Type 1 image/fax [.img]
gp4	CALS Group 4 Type 1 image/fax [.gp4]
ras	CALS Group 4 Type 1 image/fax [.ras]
dcx	B&W DCX fax [.dcx]
g3f	DIGI-FAX G3F fax [.g3f]
ig4	Image System G4 image/fax [.ig4]
fmf	FaxMan, Faxwizard [.fmf]
fxd	WinFax [.fxd]
fxm	WinFax [.fxm]
fxr	WinFax [.fxr]
fxs	WinFax [.fxs]
gfx	Quick Link II [.gfx]
g3f	Zetafax
g3n	Zetafax
ds	Kofax Ascent Capture
ed	Xerox scanners
raw	Group 3 Group 4 compressed raw fax
g3	Group 3 Group 4 compressed raw fax ,
CCITT_G3 , CCITT_G3_FO	Supported through extended Partner Product
g4	Group 3 Group 4 compressed raw fax,
CCITT_G4 , CCITT_G4_FO	Supported through extended Partner Product
g31	Group 3 Group 4 compressed raw fax
g32	Group 3 Group 4 compressed raw fax
mh	Group 3 Group 4 compressed raw fax
mr	Group 3 Group 4 compressed raw fax
mnr	Group 3 Group 4 compressed raw fax
fax	Group 3 Group 4 compressed image/fax
	301 Group 3 Group 4 compressed image/fax
	302 Group 3 Group 4 compressed image/fax
	1 Group 3 Group 4 compressed image/fax
	2 Group 3 Group 4 compressed image/fax

Audio / Video Formats

	mp3	
	mp4	
	flv	
	H.264	