

Deep Server Supported File Formats (current at 28 April 2009 for version 5.7.2.2638)

These lists are organized alphabetically by the file format.

Formats supported by Deep Server

CAD File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
CATIA4	3D Part	DLV, MODEL, SESSION, EXP	Yes		Catia 2009	CATIA4 2009 Reader: 4.15 to 4.24.
CATIA5	3D Assembly	CATPART, CATPRODUCT, CATSHAPE	Yes		Catia 2009	CATIA5 2009 Reader: R10 to R19 SP3 Method A-up to R18. Method B-up to R18. (Note: requires separate module purchase)
CATIA5	3D Assembly	CGR	Yes		Catia 2009	CATIA5 2009 Reader: R10 to R19.
Autodesk Inventor Assembly	3D Assembly	IAM	Yes		CoreCAD 2009	2009 Reader: V10 to V2009. Method A: Versions 11 SP3 and earlier, 2008. Legacy: 2009 (requires free Autodesk 2009 viewer installed on machine)
Autodesk Inventor Part	3D Part	IPT	Yes		CoreCAD 2009	2009 Reader: V10 to V2009. Method A: Versions 11 SP3 and earlier, 2008. Legacy: 2009 (requires free Autodesk 2009 viewer installed on machine)
CADD5 Part and Assembly	3D Scene	_PD	Yes		CoreCAD 2009	4x_pd.
CADKEY Advanced Design Language	2D Vector (Drawing)	CDL	Yes		CoreCAD 2009	Cadkey CADL versions 4 to 20.
IGES Files	3D Part Assembly/2D	IGES, IGS	Yes		CoreCAD 2009	2009 Reader: Up to Version 5.2. Legacy: Up to version 5.3. Method A: Versions 5.1, 5.2, and 5.3.
MicroStation CAD Graphic	3D /2D	DGN	Yes		CoreCAD 2009	Versions 95, SE, J, 7, and 8.
MicroStation CAD Graphic	3D /2D	DGN	Yes		CoreCAD 2009	Versions 95, SE, J, 7, and 8.
Parasolid CAD File	3D Part	X_B, X_T, XMT, XMT_TXT	Yes		CoreCAD 2009	2009 Reader: Up to version 18. Method A: Versions 16 and earlier. Legacy: Versions 16 and earlier.
SolidEdge 3D CAD Model Part	3D Part	PAR, ASM	Yes		CoreCAD 2009	SolidEdge 2009 Reader: Versions 10 - 20.
SolidWorks Files	3D Assembly (SLDASM) 3D Part (SLDPRT)	SLDASM, SLDLFP, SLDPRT	Yes		CoreCAD 2009	2009 Reader: 2000 to 2009. Legacy: Versions 97-2009. Method A: Versions 97-2008.
Standard ACIS Text File	3D Part	SAT	Yes		CoreCAD 2009	2009 Reader: ACIS release 16 and earlier. Legacy: Release 16 and earlier. Method A: ACIS release 16 and earlier.
STEP Files	3D Assembly/Part	STEP, STP	Yes		CoreCAD 2009	2009 Reader: AP203 and AP214. Legacy: AP204 and AP214. Method A: AP204 and AP214.
VDA File	Scene	VDA	Yes		CoreCAD 2009	All versions supported.
JT File	3D Assembly/Part	JT	Yes	*Yes	JTPMI	Method A: Versions 8.2 and earlier. Legacy: Versions 8.1 and earlier. **Export: Requires the JT/PMI Module. The JT/PMI Module is sold separately.
Pro/ENGINEER Assembly	3D Assembly	ASM, XAS	Yes		Pro/E 2009 ProExplorer 2009	2009 Reader: 200i to Wildfire 4. Method A: Versions 18, 19, 20, 2000i, 2001, Wildfire 1-3
Pro/ENGINEER Neutral Part File	3D Assembly/Part	NEU	Yes		Pro/E 2009 ProExplorer 2009	Versions 14 - Wildfire 4.
Pro/ENGINEER Part	3D Part	PRT, XPR	Yes		Pro/E 2009 ProExplorer 2009	2009 Reader: 200i to Wildfire 4. Method A: Versions 18, 19, 20, 2000i, 2001, Wildfire 1-3
Unigraphics Parts and Assemblies (ug.x3d)	3D Part	PRT	Yes		Unigraphics 2009	Unigraphics 2009 Reader: 15 to NX6. Method A: Releases 13-18, NX1, NX2, NX3, NX4 and NX5. Legacy: Releases 13-18, NX1, NX2, NX3, and NX4

2D CAD Drawing File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
CATIA4 and 5 Drawings	2D CAD Drawing	CATDRAWING, MODEL	Yes		Catia 2009	CATIA5 2009 Reader: R10 to R19 SP3
Pro/ENGINEER Drawing	2D CAD Drawing	DRW	Yes		Pro/E 2009	2009 Reader: 200i to Wildfire 4.
SolidWorks Files	2D CAD Drawing	SLDDRW	Yes		CoreCAD 2009	2009 Reader: 2000 to 2009. Legacy: Versions 97-2009.
Unigraphics Drawing	2D CAD Drawing	PRT	Yes		Unigraphics	NX to NX6.

Formats supported by Deep Server
2D File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
Adobe Encapsulated PostScript	2D Vector (Drawing)	EPS	Yes	Yes*		Version 2. *Export via Vector Illustration. Standard 2D. No export options.
Adobe Illustrator Vector Graphic	2D Vector (Drawing)	AI	Yes	Yes*		Version 2. *Export via Vector Illustration
Adobe Photoshop Document	2D Raster (Image)	PSD	Yes			
Autodesk Animator Graphic	2D Raster (Image)	CEL	Yes			
Digital Imaging and Communications in Medicine Image	2D Raster (Image)	DCM	Yes	Yes		
DirectX DirectDraw Surface	2D Raster (Image)	DDS	Yes			
EA/Amiga Interchange File Format	2D Raster (Image)	IFF	Yes			
Enhanced Metafile	2D Vector (Drawing)	EMF	Yes			
Flexible Precision Buffer Map	2D Raster (Image)	FLX	Yes			
FLIC Animator Animation (.flc)	2D Raster (Image)	FLC	Yes			
FLIC Animator Animation (.fli)	2D Raster (Image)	FLI	Yes			
Graphics Interchange Format	2D Raster (Image)	GIF	Yes			
JPEG 2000 J2K	2D Raster (Image)	J2K	Yes			
JPEG 2000 JP2	2D Raster (Image)	JP2	Yes	Yes		
JPEG 2000 JPC	2D Raster (Image)	JPC	Yes	Yes		
JPEG Image	2D Raster (Image)	JPX	Yes			
JPEG 2000 JPX	2D Raster (Image)	JPEG, JPG,	Yes	Yes		
JEDMICS C4 Compressed Image	2D Vector (Drawing)	C4	Yes			*Export via Vector Illustration.
Maya Interchange File Format	2D Raster (Image)	IFF	Yes	Yes*		* Requires Maya to be installed.
OpenEXR Bitmap	2D Raster (Image)	EXR	Yes	Yes		
Portable Network Graphics	2D Raster (Image)	PNG	Yes	Yes		
Portable Pixelmap Graphic	2D Raster (Image)	PPM	Yes	Yes		
Publisher's Paintbrush Bitmap Graphic	2D Raster (Image)	PCX	Yes			
Radiance Picture	2D Raster (Image)	HDR	Yes			
Scalable Vector Graphic	2D Vector (Drawing)	SVG	Yes	Yes*		*Export via Vector Illustration
ShockWave Flash Object	2D Vector (Drawing)	SWF		Yes*		Must be viewed with Internet Explorer. *Export is also via Vector Illustration
Silicon Graphics Image	2D Raster (Image)	RGB, RGBA, INT, INTA	Yes			
SOFTIMAGE Picture	2D Raster (Image)	PIC	Yes			
Tagged Image File Format	2D Raster (Image)	TIF, TIFF	Yes	Yes*		With multipage support.
TGA File	2D Raster (Image)	TGA	Yes	Yes		
Windows Bitmap Graphic	2D Raster (Image)	BMP, DIB	Yes	Yes		No export options
Windows Cursor File	2D Raster (Image)	CUR	Yes			
Windows Icon File	2D Raster (Image)	ICO	Yes			
Windows Metafile	2D Vector (Drawing)	WMF	Yes			
Windows Run Length Encoded Bitmap	2D Raster (Image)	RLE	Yes			

Formats supported by Deep Server
3D File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
AutoCAD Design Web Format	3D /2D	DWF	Yes	Yes		Versions 7.3 and earlier, 2007/2008.
AutoCAD Drawing Interchange	3D /2D	DXF	Yes	Yes		Versions 12, 13, 14, 2000-2007/2008. *Export is also via Vector Illustration.
AutoCAD Drawing Object	3D /2D	DWG	Yes	Yes		Versions 12, 13, 14, 2000-2007/2008 (including Autodesk Architectural Desktop support).
AutoCAD Sheet Set File	3D /2D	DST	Yes			Versions 7 and earlier.
Autodesk 3D Studio	3D Scene	3DS	Yes	Yes		
Autodesk 3D Studio ASCII	3D Scene	ASC	Yes	Yes		
Autodesk 3D Studio Max ASCII	3D Scene	ASE	Yes			
Autodesk 3D Studio Project	3D Scene	PRJ	Yes			
AOFF File Format	3D Scene	GEO	Yes	Yes		
Caligari trueSpace Object	3D Scene	COB	Yes	Yes		
Caligari trueSpace Scene	3D Scene	SCN	Yes			
CINEMA 4D	3D Scene	C4D	Yes			Version 5.0.
Collada	3D Scene	DAE	Yes	Yes		No export options.
Computer Graphics Metafile	2D Vector (Drawing)	CGM	Yes	Yes*		*Export: Version 3.0. Export via Vector Illustration. Supported by Illustration (ASCII and Binary).
DirectX Model	3D Scene	X	Yes	Yes		
FILMBOX	3D Scene	FBX	Yes	Yes		No export options.
Gerber File	3D Scene	GBR, GBP, GPT, GTL, GTO, GTS, GKO, GBL, GBP	Yes			All versions supported.
Hewlett-Packard Graphics Library	2D Vector (Drawing)	PLT, HPGL	Yes			HPGL1 and HPGL2
Imagine Geometry	3D Scene	IOB	Yes			
ISO G Code	3D Scene	ISO, NC	Yes			
LightWave 3D and Binary Object	3D Scene	LWO, LW	Yes*	Yes**		*Import: LightWave 5.6, 6.0, 7.0, 7.5., 9.0 **Export: version 6.0 (which is compatible with Lightwave 9.x).
LightWave Scene	3D Scene	LWS	Yes	Yes		
Max File	3D Scene	MAX	Yes	Yes		Versions 4.0 - 9.0., 2008, 2009. Requires 3ds Max and the DCOM plugin to be installed.
Maya ASCII Scene	3D Scene	MA	Yes	Yes		Versions 3.0, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0, 8.5, 2008, 2009 Requires Maya to be installed.
Maya Binary Scene	3D Scene	MB	Yes	Yes		Versions 3.0, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0, 8.5, 2008, 2009 Requires Maya to be installed.
Nendo	3D Scene	NDO	Yes			Versions 1.0 and 1.1.
Object File Format Vector Graphics	3D Scene	OFF	Yes	Yes		
Open Inventor File	3D Scene	IV	Yes	Yes		
OpenFlight Scene Description Database	3D Scene	FLT	Yes*	Yes		Version 13.0. *Import: Multigen API DLLs not required.
OpenGL CPP Code	3D Scene	CPP		Yes		
Points File	3D Scene	PTS	Yes			
Polygon Model Format	3D Scene	PLY	Yes			
Portable Graymap Graphics File	3D Scene	PGM	Yes			16-bit
POV-Ray RAW Triangle Format	3D Scene	RAW	Yes	Yes		
Power Render Object	3D Scene	PRO	Yes			Version 2.5.
Protein Data Bank	3D Scene	PDB	Yes			Version 2.5. Medical file format.
Quicktime 3D Metafile	3D Scene	3DM, 3DMF	Yes			No Chem3D 3DM support.
RAX Extended RAW Triangles	3D Scene	RAX	Yes			
Rhinoceros 3D Model	3D Scene	3DM	Yes	Yes		Versions 1.0, 2.0, 3.0, 4.0. No Chem3D 3DM support.
Right Hemisphere Binary	3D Scene	RH	Yes	Yes*		*Export: Versions 3.5 and 4.0.
Shattered Assembly File	3D Scene	XML	Yes	Yes		
Shockwave 3D File	3D Scene	W3D		Yes		
Shockwave Web Page	3D Scene	HTML		Yes		Requires Shockwave Player to be installed.
Silo3D	3D Scene	SIA	Yes	Yes		Version 1.0 only. No export options.
Google SketchUp Document	3D Scene	SKP	Yes	Yes		Version 5.0.295, 6.0, 7.0
SOFTIMAGE XSI	3D Scene	XSI	Yes*	Yes**		*Import: Versions 1.0, 3.0, 3.5. **Export: Versions 3.0 and 3.5.
Stereolithography File	Scene	STL	Yes	Yes		
Universal 3D	3D Scene	U3D	Yes	Yes		
VRML Worlds	3D Scene	WRL, VRML	Yes*	Yes**		*Import: Versions 1.0 and 2.0 ASCII only. **Export: Version 2.0
Wavefront Object	3D Scene	OBJ	Yes	Yes		
XAML	3D Scene	XAML		Yes		

Formats supported by Deep Server
Document File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
Adobe Portable Document 3D	Image/Scene	PDF		Yes*		Creates a PDF document with 3D or 2D content. Content can be created with templates or from an already existing PDF document. *requires the PDF Publishing Module to be installed.
HTML Document with 3D		HTML		Yes		Must be viewed with Deep View.
Office Powerpoint Document	Image/Scene	PPT		Yes		
Web Archived HTML Document	Image/Scene	MHT		Yes		Must be viewed with Deep View.

Audio File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
Audio Interchange Format	Audio	AIF, AIFF	Yes			Play only.
MPEG Audio Files	Audio	MPA, MP2, MP3	Yes			Play only.
Musical Instrument Digital Interface	Audio	MID, MIDI	Yes			Play only.
RIFF MIDI File	Audio	RMI	Yes			Play only.
Sound Format	Audio	SND	Yes			Play only.
Sun/Next/DEC Audio	Audio	AU	Yes			Play only.
Waveform Audio	Audio	WAV	Yes			Play only.

Video File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
Advanced Streaming Format	Video	ASF	Yes			
Audio Video Interleave Animation	Video	AVI	Yes	Yes		
Moving Pictures Expert Group Video	Video	M1V, MPEG, MPG	Yes			

Motion Capture File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
BioVision Hierarchical Data	Skeleton	BVH	Yes	Yes		Includes support for .bvh (cs) Character Studio Sub-Format.
Character Studio	Marker	CSM	Yes	Yes		No export options.
Character Studio - Sub-format of BioVision Hierarchical Data	Skeleton	BVH (CS)	Yes	Yes		
Coordinate 3D	Marker	C3D	Yes			
Hierarchical Translations and Rotations	Skeleton	HTR	Yes			
Tracked Row Binary	Marker	TRB	Yes			
Tracked Row Character	Marker	TRC	Yes	Yes		

Miscellaneous File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
Text File	Text	TXT	Yes			
WinRAR Compressed Archive	Archive	RAR	Yes			
ZIP Archive	Archive	ZIP	Yes			

Formats supported by Deep Server

Material File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
Autodesk 3D Studio Material	Material	MLI	Yes			
Right Hemisphere Material	Material	RHM	Yes	Yes		
Wavefront Material	Material	MTL	Yes			

Shader File Formats

File Format	Type	Extension	Import	Export	Module	Version/Notes
Real-Time Shader	Shader	FX	Yes			
Right Hemisphere Shader	Shader	RHS	Yes			



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