

# Formats Support List

## Enterprise Visualization

**AutoVue** is the premier viewing, printing, markup, digital mockup and real-time collaborative solution that supports hundreds of native 2D/3D CAD, EDA formats, office documents and graphics. Visit <http://www.oracle.com/applications/autovue/index.html> to obtain the most recent format support and product information and to download a demonstration copy of AutoVue.

2D / 3D CAD & Vector-based Engineering Formats									
File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
AutoCAD	Drawing, Drawing Exchange	2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000, 14, 13c4, 13c3, 13c2, 13c1, 12, 10, 9, 2.X	DWG, DXF		✓	✓	✓		✓
AutoCAD	3D	2008, 2007, 2006, 2005, 2004, 2002, 2000, 2000i	DWG		2D	✓	✓		✓
Autodesk DWF	Drawing, Web	6.20, 6.11, 6.01, 2004, 5.5, 5, 4.X, 3.X, 2.X	DWF		✓	✓	✓		✓
AutoCAD	Sheet Sets		DST		✓	✓	✓		✓
AutoCAD	Drawing, Binary Exchange		DXB		✓	✓	✓		✓
AutoCAD	Slide, Slide Library		SLD, SLB		✓	✓	✓		✓

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## 2D / 3D CAD & Vector-based Engineering Formats

File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
AutoCAD Mechanical 2D/ Autodesk Mechanical Desktop 2D	Drawing	2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000), 3, 2, 1.2	DWG		✓	✓	✓		✓
AutoCAD Mechanical 3D/ Autodesk Mechanical Desktop 3D	Part, Assembly	2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)	DWG			✓	✓		✓
Autodesk Inventor	Drawing	2008, 11, 10, 9, 8, 7, 6, 5.3, 5, 4	IDW			✓	✓		✓
Autodesk Inventor	Part, Assembly	2008, 11, 10, 9, 8, 7, 6, 5.3, 5, 4, 3, 2, 1	IPT, IDW, IAM, IDE			✓	✓		✓
Cadkey	Part File	19, 99, 98, 97, 7, 6, 5, 4.X, 3.X	PRT		✓	✓	✓		✓
CALCOMP	PCI 906 / 907 Plot		PCI, PLT		✓	✓	✓		✓
CATIA 4	Model, Export, Assembly, Session, Drawing	4R2.X, 4R1.X, 4.0	MODEL, EXP, ASM, SESSION				✓		✓
CATIA 5	Part, Product, Drawing	5R7 to 5R17	CGR, CATPart, CATProduct, CATDrawing				✓		✓
CGM	Binary, ASCII(ClearText)	4, 3, 2, 1	CGM		✓	✓	✓		✓
CGM - CALS compliant			CGM		✓	✓	✓		✓
Hitachi CADCORE		5.0	DRW		✓	✓	✓		✓
HPGL			HGL, HPG, PLT, PRN		✓	✓	✓		✓
HPGL/2			HGL, HPG, PLT, PRN		✓	✓	✓		✓
HP RTL			HGL, HPG, PLT, PRN		✓	✓	✓		✓
ESRI Shapefile			CSHP, SHP, SHX		✓	✓	✓		✓

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## 2D / 3D CAD & Vector-based Engineering Formats

File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
IGES (2D, 3D)		5.3, 5.2, 5.1	IGES, IGS		2D	2D	✓		✓
ME10/OneSpace Designer Drafting		2006 (14.00), 13.XX, 12.01, 11.65, 11.60, 11(2002), 2000+, 10, 9, 8, 7, 6	MI, BI		✓	✓	✓		✓
MicroStation Drawing	Drawing	8 XM, 8.5, 8.1, 8, J, SE, 95, 5, 4	CEL, DGN		✓	✓	✓		✓
MicroStation Drawing	3D	8 XM, 8.5, 8.1, 8, J, SE, 95, 5, 4	CEL, DGN		2D	2D	✓		✓
MicroStation Modeler	Drawing	7.1, J, 7.0, PE, 95	DGN		✓	✓	✓		✓
MicroStation Modeler	3D	7.1, J, 7.0	DGN		2D	2D	✓		✓
Parasolids	Binary, Text	18, 17.1, 17, 16, 15.1, 15, 14.1, 14, 13.2, 13, 12.1, 12, 11.1, 11	X_T, X_B				✓		✓
PointCloud 3D			PTS, ASC				✓		✓
Pro/ENGINEER	Drawing	WildFire 3.0, WildFire 2.0, WildFire, 2001, 2000i <sup>2</sup> , 2000i, 20, 19, 18	DRW, FRM, PIC				✓		✓
Pro/ENGINEER	Part, Assembly	WildFire 3.0, WildFire 2.0, WildFire, 2001, 2000i <sup>2</sup> , 2000i, 20, 19, 18	PRT, ASM				✓		✓
SmartSketch	Drawing	5, 4	IGR		✓	✓	✓		✓
SolidDesigner / OneSpace Designer Modeling	Part, Part Container	2006 (14.00), 13.XX, 12.XX, 11.XX, 9, 8.5, 2000+, 8, 7, 6	SDP, SDPC				✓		✓

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File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
<b>SolidDesigner / OneSpace Designer Modeling</b>	Assembly, Container	2006 (14.00), 13.XX, 12.XX, 11.XX, 9, 8.5, 2000+, 8, 7, 6	SDA, SDAC				✓		✓
<b>SolidDesigner / OneSpace Designer Modeling</b>	Package, Bundle	2006 (14.00), 13.XX, 12.XX, 11.XX, 9, 8.5, 2000+, 8, 7, 6	PKG, BDL				✓		✓
<b>Solid Edge</b>	Draft	19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6	DFT		✓	✓	✓		✓
<b>Solid Edge</b>	Part, Assembly	19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6	PAR, ASM			✓	✓		✓
<b>SolidWorks</b>	Drawing	2007, 2006, 2005, 2004, 2003, 2001+, 2001, 2000, 99, 98, 97	SLDDRW		✓	✓	✓		✓
<b>SolidWorks</b>	Part, Assembly	2007, 2006, 2005, 2004, 2003, 2001+, 2001, 2000, 99, 98, 97	SLDPRT, SLDASM			✓	✓		✓
<b>SPATIAL ACIS</b>	Binary, Text	7, 6, 5, 4, 3, 2.1, 2, 1.7, 1.6, 1.5, 1.4	SAB, SAT				✓		✓
<b>STEP AP 203</b>			STP, STEP, STE, P21				✓		✓
<b>STEP AP 214</b>			STP, STEP, STE, P21				✓		✓
<b>STEP KOSDIC</b>			STP, STEP, STE, P21				✓		✓
<b>STL</b>	Binary, Text		STL				✓		✓
<b>Unigraphics</b>	Draft	NX4, NX3, NX2, NX1, 18, 17, 16	PRT				✓		✓
<b>Unigraphics</b>	Part, Assembly	NX4, NX3, NX2, NX1, 18, 17, 16, 15, 14, 13	PRT				✓		✓

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## Raster-based Engineering Formats

File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
CALS Group IV	Type I, Type II (Tiled, Stripped)		CAL, CG4, MIL, ODA, MLR		✓	✓	✓		✓
EDMICS					✓	✓	✓		✓
GTX			DTX		✓	✓	✓		✓
Hitachi			HRF		✓	✓	✓		✓
Image Center			GP4		✓	✓	✓		✓
Intergraph COT			CIT, COT, RGB, RLE, TG4		✓	✓	✓		✓
JEDMICS			C4		✓	✓	✓		✓
RLC File			RLC		✓	✓	✓		✓
TIFF			TIF, TIFF	Desktop size*	✓	✓	✓	Desktop size*	✓

## Electronic Design Formats

File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Altium Designer	PCB, 3D	6.0 to 6.5	PCBDOC, PRJPCB, PRJFPG, PRJCOR					✓	✓
Altium Designer	Schematics	6.0 to 6.5	SCHDOC, PRJPCB, PRJFPG, PRJCOR					✓	✓

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## Electronic Design Formats

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Altium Protel	PCB (Binary, ASCII), 3D	2004, DXP, 99SE, 99, 98	PCB, DDB, PCBDOC, PRJPCB, PRJFPG, PRJCOR					✓	✓
Altium Protel	Schematics (Binary, ASCII)	2004, DXP, 99SE, 99, 98	SCH, DDB, SCHDOC, PRJPCB, PRJFPG, PRJCOR					✓	✓
Barco DPF	Artwork	5.0	DPF, DPL					✓	✓
Cadence Allegro Layouts / Drawings / Symbols / Padstacks	PCB, 3D	15.0 to 15.7, 14.x, 13.x	BRD, DRA, MCM, SSM, PSM, BSM, OSM, FSM, PAD					✓	✓
Cadence Allegro Extract	PCB		AEW, TXT, TAR, GZ, ZIP					✓	✓
Cadence Allegro IPF	Artwork		PLT					✓	✓
Cadence Design Entry HDL	Schematics	15.x, 14.x	CPM, TAR, GZ, TGZ, ZIP					✓	✓
Cadence Specctra	PCB, 3D	15.x, 14.x	DSN, CCT					✓	✓
Caltech Interchange Format CIF	Artwork	2.0	CIF					✓	✓
EDIF	Schematics	4, 3, 2	EDF, EDIF, EDN					✓	✓
GDS II	Artwork (Binary)	2	GDS, GDS2, CAL, STRM					✓	✓
GenCam	PCB, Schematics	1.5	GCM					✓	✓
Gerber Format	Artwork	RS274-D, RS274-X	GBL, GBR, PHO					✓	✓
IDF	PCB, 3D	3.0, 2.0	EMN, EMP, BRD, LIB					✓	✓
IFF	Schematics	3.0	IFF					✓	✓
Mentor Board Station	PCB, 3D	8.0 to 8.10	ATTR, TAR, GZ, TGZ, ZIP					✓	✓

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## Electronic Design Formats

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Mentor Design Architect	Schematics	8.0 to 8.10	ATTR, TAR, GZ, TGZ, ZIP					✓	✓
Mentor DxDesigner	Schematics	2005, 2004, 2002	DPROJ, TAR, GZ, TGZ, ZIP					✓	✓
Mentor Expedition PCB	PCB, 3D	2005, 2004.x, 2002	PRJ, PCB, TAR, GZ, TGZ, ZIP					✓	✓
Mentor Expedition Design Capture	Schematics	2005, 2004.x, 2002	PRJ, SBK, TAR, GZ, TGZ, ZIP					✓	✓
Mentor Neutral	PCB		NEU					✓	✓
Mentor PADS Layout	PCB 3D	2005 Spac2 (Binary, ASCII), 2005 (Binary, ASCII), 5.0 (Binary, ASCII), 4.0(ASCII)	ASC, PCB					✓	✓
Mentor PADS Logic	SCH	2005 Spac2 (Binary, ASCII), 2005 (Binary, ASCII), 5.1(ASCII), 5.0 (Binary, ASCII), 4.0(ASCII)	SCH, TXT					✓	✓
NC-Drill	Sieb Meyer Excellon		DRL, NCD					✓	✓
ODB++	PCB, 3D	6.5, 5.3, 4.3	TAR, GZ, TGZ, ZIP					✓	✓
ODB++(X)	PCB, XML	1.x	XML, ODB					✓	✓
OrCAD Capture Design/Library	Schematics	15.7,10.x, 9.x, 7.2, 7.0	DSN, DBK, OLB					✓	✓
OrCAD Layout	PCB (Binary, ASCII), 3D	15.7,10.x, 9.x, 7.2, 7.0	MIN, MAX					✓	✓
PCAD Schematic	SCH (Binary, ASCII)	2004, 2002, 2001, 2000	SCH					✓	✓
PCAD Layout	PCB (Binary, ASCII)	2004, 2002, 2001, 2000	PCB					✓	✓

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## Electronic Design Formats

File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
PDIF	PCB	8.5, 7.0	PDF, PDIF					✓	✓
PDIF	Schematics	8.5, 7.0	PDF, PDIF					✓	✓
Zuken CADIF	PCB, 3D	3.0 to 8.0	PAF					✓	✓
Zuken CADSTAR Schematic	Schematics	8.0, 7.0, 6.0, 5.0	SCM					✓	✓
Zuken CADSTAR Layout	PCB, 3D	8.0, 7.0, 6.0, 5.0	PCB					✓	✓

## Vector Graphics Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Acrobat PDF	8.0 (1.7), 7.0(1.6), 6.0(1.5), 5.0(1.4), 1.3, 1.2, 1.1, 1.0	PDF	✓	✓	✓	✓	✓	✓
Corel Presentation Exchange	7.0, 6.0, 5.0	CMX	✓	✓	✓	✓	✓	✓
Enhanced Metafile		EMF, EMZ (Compressed)	✓	✓	✓	✓	✓	✓
Illustrator	10, 9	AI	✓	✓	✓	✓	✓	✓
Lotus PIC File Image		PIC	✓	✓	✓	✓	✓	✓
PCL	5	PCL, PRN		✓	✓	✓		✓
PowerPoint	2003, 2002, XP, 2000, 97, 95, 4.0, 3.X	PPT	✓	✓	✓	✓	✓	✓
SVG	1.0	SVG, SVGZ	✓	✓	✓	✓	✓	✓
VISIO	2003, 2002, 2000	VSD	✓	✓	✓	✓	✓	✓
Windows Metafile	3	WMF	✓	✓	✓	✓	✓	✓
WordPerfect Graphics	2, 1	WPG	✓	✓	✓	✓	✓	✓

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## Hybrid Engineering Formats

File Format	File Type	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
CAD Overlay		2000i, 2000, 14			✓	✓	✓		✓
GTX			DWG, GP4, REF		✓	✓	✓		✓
Hitachi Tracer			DWG, HRF		✓	✓	✓		✓
Image Systems			DWG, GP4, RES, RLC		✓	✓	✓		✓
Intergraph Hybrid			CIT, COT, DGN		✓	✓	✓		✓
IRAS/B					✓	✓	✓		✓
Softelec RasterDWG			DWG		✓	✓	✓		✓

## Raster & Bitmap Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
AIIM MS53	GP III, GP IV	A11	✓	✓	✓	✓	✓	✓
AMIGA	IFF / LBM File	IFF, LBM	✓	✓	✓	✓	✓	✓
CompuServe GIF		GIF, RLE	✓	✓	✓	✓	✓	✓
CorelDraw! Bitmap Preview	12.X, 11.X, 10.X, 9.X, 8.X, 7.X, 6.X, 5.X, 4.X, 3.X, 2.X	CDR	✓	✓	✓	✓	✓	✓
CUT Raster		CUT	✓	✓	✓	✓	✓	✓
Databeam		DBX	✓	✓	✓	✓	✓	✓
Dr. Halo PIC		PIC	✓	✓	✓	✓	✓	✓
GEM IMG Bitmap		IMG	✓	✓	✓	✓	✓	✓

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## Raster & Bitmap Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
IBM IOCA/MODCA			✓	✓	✓	✓	✓	✓
JPEG		JPEG, JPG	✓	✓	✓	✓	✓	✓
JPEG2000		JP2, JPF, J2K, J2C, JPC, JPX	✓	✓	✓	✓	✓	✓
MAC		MAC	✓	✓	✓	✓	✓	✓
Neutral Raster File		NRF	✓	✓	✓	✓	✓	✓
OS/2 1.1 Bitmap		BMP	✓	✓	✓	✓	✓	✓
Paintbrush PCX		PCX	✓	✓	✓	✓	✓	✓
PNG		PNG	✓	✓	✓	✓	✓	✓
Portable Bitmap		PPM	✓	✓	✓	✓	✓	✓
SUN Raster File		PR, RAS	✓	✓	✓	✓	✓	✓
TARGA		TGA	✓	✓	✓	✓	✓	✓
TIFF (Desktop Size)		TIF, TIFF	✓	✓	✓	✓	✓	✓
Windows Bitmap		BMP	✓	✓	✓	✓	✓	✓
Windows 3 Icon-Resource		ICO	✓	✓	✓	✓	✓	✓
WordPerfect Graphics Bitmap		WPG	✓	✓	✓	✓	✓	✓
X-Windows Dump		XWD	✓	✓	✓	✓	✓	✓

## Fax Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Brooktrout			✓	✓	✓	✓	✓	✓

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## Fax Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Everfax	EF3, EF2		✓	✓	✓	✓	✓	✓
Frecom			✓	✓	✓	✓	✓	✓
Fujitso			✓	✓	✓	✓	✓	✓
Gamma			✓	✓	✓	✓	✓	✓
Generic-Fax			✓	✓	✓	✓	✓	✓
Hybrid J-T			✓	✓	✓	✓	✓	✓
Intel			✓	✓	✓	✓	✓	✓
Net-Fax			✓	✓	✓	✓	✓	✓
Product R&D Fax Modem			✓	✓	✓	✓	✓	✓
Raw Group III			✓	✓	✓	✓	✓	✓
Relisys			✓	✓	✓	✓	✓	✓
Ricoh			✓	✓	✓	✓	✓	✓
SciFax			✓	✓	✓	✓	✓	✓
SmartFax			✓	✓	✓	✓	✓	✓
Trigem			✓	✓	✓	✓	✓	✓
WinFax Pro	4, 3		✓	✓	✓	✓	✓	✓
Worldport			✓	✓	✓	✓	✓	✓

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## Word Processor Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Microsoft Write		WRI	✓	✓	✓	✓	✓	✓
Plain Text (ASCII, UTF-8, Unicode, Multi-byte)		TXT	✓	✓	✓	✓	✓	✓
Rich Text Format	1.X	RTF	✓	✓	✓	✓	✓	✓
Word for Windows	2003, 2002, XP, 2000, 97, 95, 7, 6	DOC	✓	✓	✓	✓	✓	✓

## Spreadsheet Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Excel	2003, 2002, XP, 2000, 97, 95, 5, 4, 3, 2.1	XLS, XLT, XLW	✓	✓	✓	✓	✓	✓

## Messaging Formats

File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Microsoft Outlook		MSG	✓	✓	✓	✓	✓	✓

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Archived Formats								
File Format	Releases / Versions	Extension	AutoVue Office	AutoVue 2D/ AutoVue 2D Professional	AutoVue 3D Professional - SME	AutoVue 3D Advanced/ AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
ZIP Archive		ZIP	✓	✓	✓	✓	✓	✓

\* Desktop size TIFF – Maximum size 32,000 x 32,000 pixels

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