



Tetra4D Converter

Version 2019 SP1

Release Notes

Details of new features, updated formats support and bug fixes for Tetra4D Converter

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Definition of Release Types

We define each release type as follows:

- **Major release:** A major release associated with an incremented release number (e.g. 2019) and an approximate 12 months' product cycle.
- **Minor release:** An update between major releases that may include support for new file formats, new versions of currently supported formats, and bug fixes. These updates are Service Packs (SP), and are defined with an additional incremented number put aside the major release information (e.g. 2019.1 for the first Service pack of release 2019)
- **Out of cycle patch:** An unscheduled update. These contain few functional updates with the intention to limit impact.

Version Information

Item	Version Number
Tetra4D Converter	2019.1.x

Notice that the third number is used to differentiate builds of the software, and may not be continuous.

Installation

This version can be installed over any prior installation of Tetra4D Converter. For more installation information, please refer to the [Tetra4D Converter Installation Guide](#) or visit our [Learning page](#).

Language Support Overview

Tetra4D Converter provides support for multiple languages as noted in the table below. However, the language used is controlled by the local Adobe Acrobat® installation. If there is a Tetra4D Converter language option that matches the Acrobat installation, then that language is used; if not, Tetra4D Converter defaults to English.

Tier 1 and Tier 2 are as defined by Adobe Systems.

Tier	Tetra4D Converter Supported Languages
Tier 1	English, French, German, Japanese
Tier 2	Brazilian Portuguese, Italian, Korean, Spanish, Simplified Chinese

Acrobat Pro Compatibility

The Tetra4D Converter is a plug-in for Adobe Acrobat Pro. The following table provides information about tested version compatibility. Note that older versions of Tetra4D Converter may work with newer Acrobat Pro releases, even if compatibility is not explicitly mentioned here.

Tetra4D Converter	Compatible Acrobat Pro XI / DC / 2017 Versions
2019.1	Acrobat Pro 2017: 2017.000.0000 - to 2017.011.30143 (Classic track) Acrobat Pro DC: 2015.000.00000 - to 2015.006.30498 (Classic track) - to 2019.012.20035 (Continuous track))

Note:

The ADOBE Products and technical support periods can be found [here](#).

System Requirements

Please refer to the [Tetra4D Converter Installation Guide](#) to access to the system requirements.

Licensing

Message for Tetra4D Converter existing customers

Tetra4D Converter 2019.1 is a minor release, and doesn't require a new license if you already installed and licensed **Tetra4D Converter 2019**.

If you didn't already install and license **Tetra4D Converter 2019**, you will need to change your license and activate the seats when **Tetra4D Converter 2019 SP1** is installed.

Notice that if you are under regular maintenance, you should automatically receive information to retrieve your serial number for **Tetra4D Converter 2019**, in an email from tetra4d.com.

Please carefully read the [Tetra4D Converter Installation Guide](#) for explanations on how to activate your licenses.

New Tetra4D Converter customers

You should have automatically received information to retrieve your serial number for **Tetra4D Converter 2019**, in an email from tetra4d.com.

Please carefully read the [Tetra4D Converter Installation Guide](#) for explanations on how to activate your licenses.

Note that the Tetra4D Converter will run in trial mode for 28 days after installation, providing you with an opportunity to use the product temporarily without a serial number.

You will have full functionality of the software during the trial period. If you experience any problem during the installation and activation process, please contact support by visiting our [Learning page](#).

Information about the licensing management solution

The licensing management solution for **Tetra4D Converter** offers flexibility and autonomy for customers to manage their licenses:

- Licensing the Tetra4D Converter can be done directly by customers, without requiring customers to contact Tetra4D support.
- Online and offline activations are supported
 - Online activation requires a few actions and is fully performed within the product (no support request, no email communication)
 - In case of offline activation, information to activate the seat has to be communicated via submitting a support ticket.
- Activation / deactivation is enabled to make it possible to transfer a license from a computer to another one
 - Case where a computer is not anymore used and the license has to be transferred to another one
 - The transfer can be performed directly by the customer

Remark:

- The transfer of a license has to be occasional, and is allowed in case of:
 - Computer crash
 - Computer change

The Tetra4D support team is available to answer to any question and to help whenever needed. To receive assistance from the support team, please contact support by visiting our [Learning page](#).

Format Support

This release supports **reading** the following 3D file formats:

Format	Version	Extensions
ACIS (SAT)	Up to v29	SAT, SAB
Autodesk AutoCAD (3D only)	Up to v2019	DWG, DXF
Autodesk DWF	Any	DWF, DWFX
Autodesk Inventor	Up to 2020	IPT, IAM
CATIA V4	Up to 4.2.5	MODEL, SESSION, DLV, EXP
CATIA V5	R4 to V5-6R2018 (R28)	CATDrawing, CATPart, CATProduct, CATShape, CGR
CATIA V6	2011 to 2013	3DXML
FBX	ASCII: from 7100 to 7400. Binary: all	FBX
GL Transmission format	2.0	GLTF, GLB
I-deas	Up to 13.x (NX 5), NX I-deas 6	MF1, ARC, UNV, PKG
IGES	5.1, 5.2, 5.3	IGS, IGES
Industry Foundation Classes (IFC)	IFC2x Editions 2, 3 and 4	IFC, IFCZIP
JT	Up to version 10.2	JT
Parasolid (X_T)	Up to v31.1	X_B, X_T, XMT, XMT_TXT
PRC	All Versions	PRC
PTC Creo	Pro/Engineer 19.0 to Creo 6.0	ASM, NEU, PRT, XAS, XPR
PTC Pro/Engineer	Up to Wildfire 5	ASM, NEU, PRT, XAS, XPR
REVIT	2015 to 2019	RVT, RFA
Rhino	4, 5, 6	3DM
Siemens PLM Software NX	V11.0 to NX 12, and NX 1847	PRT
Solid Edge	V19 - 20, ST – ST10, 2019	ASM, PAR, PWD, PSM
SolidWorks	Up to 2019	SLDASM, SLDPRT
STEP	AP 203 E1/E2, AP 214, AP 242	STP, STEP, STPZ
STEP XML	All versions	STPX, STPXZ
Stereo Lithography (STL)	All Versions	STL
Universal 3D (U3D)	ECMA-363 (1 st to 3 rd editions)	U3D
VDA-FS	Version 1.0 and 2.0	VDA
VRML	V1.0 and V2.0	WRL, VRML
Wavefront	Any	OBJ

This release supports **writing** the following 3D file formats:

Format	Extensions
3MF	3MF
ACIS	SAT, SAB
FBX	FBX
IGES	IGS, IGES
JT	JT
Parasolid	X_T
PRC	PRC
STEP	STP, STEP, STP.Z
Stereo Lithography (STL)	STL
Universal 3D (U3D)	U3D
VRML	WRL, VRML
Wavefront	OBJ

New CAD format support

This section outlines the new CAD Readers that have been added in this Tetra4D Enrich release.

CAD Reader: STEP/XML

- Support for all versions
- Details:

STEP-XML is an XML specification used to represent EXPRESS schemas such as STEP.

STEP-XML is standardized under the name ISO_10303-28.

The file extensions are:

- STPX for uncompressed text files
- STPXZ for compressed binary files

STEP-XML is a structural format which makes use of the hierarchical nature of XML to represent assemblies.

Assemblies can be described as follows:

- Monolithic assembly file: The structure of the assembly is fully described in one single STEP/XML file
- Nested assembly: The structure of the assembly is described by several STEP/XML files (one file per assembly node)

Remark:

The STEP/XML files reference external CAD files which can be any supported formats.

Updated formats support and Reader/Writer enhancements

This section outlines the CAD Readers and Writers that have been updated or improved in this Tetra4D Enrich release.

CAD Reader: ACIS

- Support for version 29

CAD Reader: Autodesk Inventor

- Support for version 2020

CAD Reader: Parasolid

- Support for version 31.1

CAD Reader: PTC Creo

- Support for version 6.0

CAD Reader: REVIT

- Support of new data:
 - Meta-data
 - Assemblies

Bug Fixes

The 2019 SP1 release of the Tetra4D Converter fixes several customers' reported issues. Please contact support by visiting our support page if you have questions about any specific issue.