



# Tetra4D Automate

## Version 2018

### Release Notes

Details of new features, updated format support and bug fixes for Tetra4D Automate

## Table of Contents

Version 2018 .....	3
Definition of Release Types .....	3
Version Information .....	3
Installation .....	3
Language Support Overview .....	3
System Requirements .....	3
Format Support .....	4
Updated formats support and Reader/Writer enhancements .....	5
CAD Reader: Autodesk AutoCAD .....	5
CAD Reader: SolidWorks .....	5
CAD Reader: SolidEdge .....	5
Reading option: Force Compute Tessellation .....	5
Reading option: CAD views filtering .....	6
New features and enhancements .....	7
LINUX version .....	7
Multiple application instances support .....	7
Bug Fixes .....	7

## Version 2018

### Definition of Release Types

We define each release type as follows:

- **Major release:** A major release associated with an incremented release number (e.g. 2018) 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. 2018.1 for the first Service pack of release 2018)
- **Out of cycle patch:** An unscheduled update. These contain few functional updates with the intention to limit impact.

### Version Information

Item	Version Number
Tetra4D Automate	2018.0.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 Automate. For more installation information, please refer to the Tetra4D Automate User manual.

### Language Support Overview

Tetra4D Automate supports English language.

### System Requirements

Please refer to the Tetra4D Automate User manual to access the system requirements.

## Format Support

This release supports reading the following 3D file formats:

Format	Version	Extensions
ACIS (SAT)	Up to v27.0	SAT, SAB
Autodesk Inventor	Up to 2018	IPT, IAM
CATIA V4	Up to 4.2.5	MODEL, SESSION, DLV, EXP
CATIA V5	R4 to V5-6R2017	CATDrawing, CATPart, CATProduct, CATShape, CGR
CATIA V6	2011 to 2013	3DXML
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 10.0	JT
Parasolid (X_T)	Up to v30.0	X_B, X_T, XMT, XMT_TXT
PRC	All Versions	PRC
PTC Creo	Elements/Pro 5.0 Parametric 4.0	ASM, NEU, PRT, XAS, XPR
PTC Pro/Engineer	Up to Wildfire 5	ASM, NEU, PRT, XAS, XPR
Rhino	4, 5	3DM
Siemens PLM Software NX	Unigraphics V11.0 to NX 11	PRT
Solid Edge	V19 - 20, ST – <b>ST10</b>	ASM, PAR, PWD, PSM
SolidWorks	<b>Up to 2018</b>	SLDASM, SLDPRT
STEP	AP 203 E1/E2, AP 214, AP 242	STP, STEP, STP.Z
Stereo Lithography (STL)	All Versions	STL
Universal 3D (U3D)	ECMA-363 (1 <sup>st</sup> to 3 <sup>rd</sup> editions)	U3D
VDA-FS	Version 1.0 and 2.0	VDA
VRML	V1.0 and V2.0	WRL, VRML

## Updated formats support and Reader/Writer enhancements

This section presents the CAD Readers and Writers with related enhancements for the 2018 Tetra4D Automate release.

### CAD Reader: Autodesk AutoCAD

- Support for AutoCAD files up to AutoCAD 2018

### CAD Reader: SolidWorks

- Support for SolidWorks 2018

### CAD Reader: SolidEdge

- Support for SolidEdge ST10

## Reading option: Force Compute Tessellation

- This new option is available for the formats:
  - SolidWorks
  - Catia V5

This option is available only if the reading mode is set to “Tessellation”. When checked, the tessellation is calculated based on the exact geometry, according to the tessellation criteria, instead of being read from the CAD file itself.

The impacts of this option are:

- Reading time might be longer (compared to a direct reading of the native CAD tessellation), but the quality of the tessellation is controlled (according to the tessellation criteria)
- With SolidWorks files, this mode makes it possible to read the native CAD Attributes.

Remark: This option is set as a default for the SolidWorks reader.

## Reading option: CAD views filtering

These new options are available for the following formats:

- Catia V5
- Autodesk Inventor

They make it possible to retain in the PDF document only a subset of the native CAD views, according to the following filtering methods:

- Filtering views based on their names:

CAD views containing a specified string can be kept or ignored.

- Filtering views based on their position in the assembly structure:

CAD views defined at the top level of the assembly are kept while any CAD views defined in components are ignored.

## **New features and enhancements**

This section presents the new features and enhancements released with this new version of Tetra4D AUTOMATE.

### **LINUX version**

Tetra4D Automate can be delivered for LINUX platforms.

Please contact the Tetra4D support team for any further information about this package.

### **Multiple application instances support**

Tetra4D Automate supports multiple instances on the same computer.

The default number of Tetra4D Automate instances that can be executed on a computer is 1.

The ability to run more than 1 instance of the application is controlled the license.

Please contact the Tetra4D support team for any further information about this option.

### **Bug Fixes**

The 2018 release of Tetra4D Automate fixes several customers' reported issues. Please contact support by visiting our support page if you have questions about any specific issue.