



# Tetra4D Automate

## Version 2020

### Release Notes

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

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## Version 2020

### 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 Automate	2020.0.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 v29	SAT, SAB
Autodesk AutoCAD (3D only)	Up to v2019	DWG, DXF
Autodesk Inventor	Up to 2020	IPT, IAM
CATIA V4	Up to 4.2.5	MODEL, SESSION, DLV, EXP
CATIA V5	R4 to V5-6R2019 (R29)	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 10.2	JT
Parasolid (X_T)	<b>Up to v32</b>	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 <b>2020</b>	RVT, RFA
Rhino	4, 5, 6	3DM
Siemens PLM Software NX	V11.0 to NX 12, and <b>up to NX 1899</b>	PRT
Solid Edge	V19 - 20, ST – ST10, <b>2020</b>	ASM, PAR, PWD, PSM
SolidWorks	<b>Up to 2020</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

Remark:

Automate is delivered with one input format only.  
Any additional input format is accessible as an option.

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

Format	Extensions
<b>3MF</b>	3MF
<b>3D PDF</b>	PDF
<b>Html</b>	Html
<b>IGES</b>	IGS, IGES
<b>JT</b>	JT
<b>Parasolid</b>	X_T
<b>STEP</b>	STP, STEP, STP.Z
<b>Stereo Lithography (STL)</b>	STL
<b>Universal 3D (U3D)</b>	U3D
<b>VRML</b>	WRL, VRML

Remark:

Automate is delivered with 3D PDF and Html output formats.  
Any additional output format is accessible as an option.

## Updated formats support and Reader/Writer enhancements

This section outlines the CAD Readers and Writers that have been added or improved in this new Tetra4D Automate release.

### CAD Reader: Parasolid

- Support for version 32

### CAD Reader: REVIT

- Support for version 2020
- Details: Supported
  - Tessellation
  - Views
  - Meta-data and units

### CAD Reader: Siemens/NX

- Support for version 1899

### CAD Reader: Solid Edge

- Support for version 2020

### CAD Reader: SolidWorks

- Support for version 2020

### Writer: Html

- Improvements of Html file size
- Note that a Python version 3.4 at least must be installed to allow the Html export to run properly.

## Bug Fixes

The 2020 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.