PRODUCT RELEASE ANNOUNCEMENT

Product Category	**Visualize 3D**
Product Group	CATIA V5 (Independent) for JT
Release Version	20.3

Document Type	**Product Release Announcement**
Status	Released
Revision	1.0
Author	Product Manager
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History

Revision	Update Information
1.0	Initial Release

Product Codes

Product Code	Product Description
C5IJT-U1	Catia V5 Independent > JT Unidirectional Base Product
JTC5I-U1	JT > Catia V5 Independent Unidirectional Base Product
C5IJT-B1	Catia V5 Independent <> JT Bidirectional Base Product
C5IJT-A1	Catia V5 Independent > JT Unidirectional Add-on module for PMI

Supported Application Revisions

The following application revisions have been qualified with this release

Application	Revision
CATIA V5	All CATIA V5 file revisions from CATIA V5 R15 up to CATIA V5-6R2017. Note! This translator product does NOT require a CATIA V5 installation

Supporting API's
The following supporting API support is used

| Library	Revision
JTOpen Libraries	JTK version 9.0.0.0 based
JT File Format	JT file format 8.0 to 10.2
CATIA V5 CGM Interface	Spatial R2018 1.0.0 GA

Supported Operating Systems
The following operating systems have been qualified with this release

Operating System	Qualification Status
Windows 7 64bit	Qualified and fully supported
Window 8 64bit	Qualified and fully supported
Window 10 64bit	Qualified and fully supported

Installation Process Considerations

Starting with version 20.0 of Theorem Solutions applications changes have been made to the installation process. These changes have transitioned from a JAVA based installer package to a standard Microsoft Installer (.msi) package. A current limitation of the Microsoft msi method is that the software cannot be installed directly on to either externally mapped or network drives when installed from a client machine:
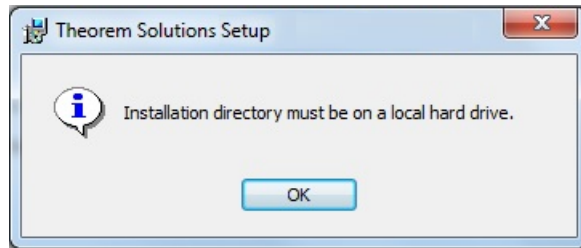
Therefore, the installation must be performed to a drive that is local to the machine itself.

If you are attempting to install the software onto a network drive, then please refer to the configuration guide available from the following link
http://www.theorem.com/documentation/Documentation/Client_Configuration.pdf.

Distribution Media

CD images of the latest release are available from the following download sites.

Product	URL for CD image download
All C5IJT Products	https://s3-eu-west-1.amazonaws.com/theorem.software/CADverter_20.3/CAD_20.3_C5IJT_WIN.01.msi

Related Distribution Media

In addition to the translator software itself there are also two other related media distributions available. One is for the installation and configuration of the Theorem User Interface. This is designed as a free-standing user interface for the translator allowing the user to navigate the file system and initiate translations either interactively or in batch using standard drag and drop techniques. The second media distribution contains the Theorem License Manager which is installed on the nominated license server(s) and manages the user access to the purchased volume of concurrent Theorem application licenses.

Related Package	URL for CD image download
Theorem User Interface	https://s3-eu-west-1.amazonaws.com/theorem.software/CADverter_20.3/CAD_20.3_UI_WIN.01.msi
Theorem License Manager	https://s3-eu-west-1.amazonaws.com/theorem.software/LicenseManager/CAD_FLEXLM_11.14_WIN.01.msi

New Features / Enhancements

The following new features or enhancements have been introduced with this release

Ref ID	New Feature / Enhancement Description
1	Added support for writing JT MONIKER attributes to JT output
2	Redesign of JT config files to include support for all command line argument selections. Setting of values also support the use of environment variables to enable the config file to be transportable.
3	The new style Theorem User Interface is supported for both interactive and batch processing
4	Support for processing CATIA V5-6R2016 & V5-6R2017 introduced at this release for both reading and writing CATIA V5 data

Known Limitations and Restrictions

The following limitations and restrictions have been identified during final testing prior to release

Ref ID	Limitations and Restrictions
1	*When processing CATIA V5 files to JT any contain wire frame geometry only lines and point entity types are exported. All other wire frame geometry elements are currently ignored.*
2	*When processing JT files that only contain tessellated geometry no V5 output will be created. For V5 geometry to be created the JT file must contain precise geometry in either JT_BREP or XT_BREP format*
3	*When collapsing structure from the input file into a single output representation and selection mass property calculations the Centre of Gravity (CoG) values will be reported as deviations. This is due to the fact that the displacement from part to assembly space isn't being accommodated in the calculation. Check the Volume and Surface Area*
4	*When running translations either V5i to JT or JT to V5i using the MPROPS option to generate validation properties from within the CADverter UI the XML progress file output is not displayed correctly. To work around this problem disable the XML progress file output using the UI configure.exe application.*

Resolved Support Calls

The following list of Support Calls are resolved with this release

Support Call ID	Brief Description
CAS-02460	JT-V5i: Unable to convert JT assembly to single CATPart output
CAS-02835	V5i-JT: Error message when converting CATProducts to JT
CAS-02849	V5i-JT: Extra geometry is created in the JT output
CAS-03245	JT-V5i: Ability to create Catia V5 output at release