



PRODUCT RELEASE ANNOUNCEMENT

Product Category	Visualize 3D
Product Group	CATIA V5 (Independent) for JT
Release Version	21.2

Document Type	Product Release Announcement
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Revision	3.0
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History

Revision	Update Information
1.0	Initial Release
2.0	Added note to remind user to update the version of FLEXIm to version 11.14
3.0	Updated list of new features to include documented support for CATIA V5-6R2018 (R28) and changed sequence of feature list

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 V5-6R2018. 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 1.1.0 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_21.2/CAD_21.2_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
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Theorem User Interface	https://s3-eu-west-1.amazonaws.com/theorem.software/CADverter_21.2/CAD_21.2_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	Support for CATIA V5-6R2018 (R28) is now available for both reading and writing CATIA V5 data using the respective translators.
2	Several erroneous messages have been removed from the audit log as part of the overall improvements to the audit log processing.
3	The support for translating JT associated property values to the CATIA V5 output has been implemented.
4	The ability to control the processing of properties by use of a property mapping file has been implemented. The default property filter file for JT to V5 translations is %TS_INST%\data\catia5i\attrFilters\defaultAttrFilter.txt. The default property filter file for the reverse direction, V5 to JT, is %TS_INST%\data\jt\jt_property_mapping.txt
5	When using the option MPROPS the translator now reports the mass property values into the progress file for review. These can be used to perform validations of the translation process.
6	The default JT configuration file is now named tess.config . The structure of this file is such that it now supports all variants of CAD to JT translator requirements. The sections of the file that are relevant to the CATIA V5i to JT translator are; JtOptions (for all Theorem related settings that influence the JT output), Catia5iOptions (for all Theorem related CATIA V5 data read settings), Catia4Options (used to control the processing of any subordinate CATIA V4 native .model files) & GeneralOptions (used to select any general output processing requirements)
7	When writing CATIA data from JT the colour of the CATIA V5 output can be specified to be taken from the JT colour associated with the solid by using the option solid_colour . The default would be to use the colour associated with the JT faces rather than the colour applied at the solid level.
8	When processing JT assemblies that have had unique colours applied at the occurrence of multiply instanced parts it is necessary to expand the CATIA V5 assembly output to enable the occurrence colour to be applied. Using the option occur_tree will expand the assembly structure and generate a unique occurrence for each instance of the assembly structure.
9	Note, for any existing customers using older versions of the FLEXlm license manager, it is necessary to update the license server installation to use the latest



11.14 release. See the link to download the latest version of the license manager in the section labelled “[Related Distribution Media](#)”

Known Limitations and Restrictions

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

Ref **Limitations and Restrictions**
ID

1	<i>When processing JT files that only contain tessellated geometry no CATIA V5 geometry output will be created unless the CATIA V5 output format CGR has been selected. The default processing assumes the creation of a CATPart geometry representation. With JT data that has no precise geometry then equivalent empty CATParts are created as the default output.</i>
2	<i>When process JT assembly data and writing the output in CGR format a single CGR file is created. The CGR maintains the complete assembly positions and all of the geometry. However, this doesn't expose the JT assembly structure to the CATIA V5 users</i>
3	<i>When writing CGR output the termination status in the progress will indicate an incomplete translation when in fact the CGR file will be created correctly. Please review the CGR output to verify the process. When using the Unified Interface the detailed view of the log file also shows an XML formatting issue.</i>



Resolved Support Calls

The following list of Support Calls are resolved with this release

Support Call ID	Brief Description
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CAS-03526	V5i to JT: The hidden state of parts within sub-assembly levels of assembly structure not maintained within JT output
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