



PRODUCT RELEASE ANNOUNCEMENT

Product Category	Visualize 3D
Product Group	CATIA V5 (Independent) for JT
Release Version	22.2

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History

Revision	Update Information
1.0	Initial Release
2.0	Added further Features/Enhancements

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 V56R2019. 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 10.2.1.1 based
JT File Format	JT file format 8.0 to 10.3
CATIA V5 CGM Interface	Spatial 2019 1.0.1

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_22.2/CAD_22.2_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
Theorem User Interface	https://s3-eu-west-1.amazonaws.com/theorem.software/CADverter_22.2/CAD_22.2_UI_WIN.01.msi



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Theorem License Manager	https://s3-eu-west-1.amazonaws.com/theorem.software/LicenseManager/CAD_FLEXLM_11.14_WIN.01.msi
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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 V5-6R2019 (R29) is now available for both reading and writing CATIA V5 data using the respective translators.
2	<p>Large assembly processing to use existing previously processed parts. Added option 'update_parts' the new API works slightly differently, and allows an existing assembly structure to update parts - so the new option works when</p> <ol style="list-style-type: none"> 1- existing V5 output has been created 2- re-run translation with option 'update_parts' 3- this will expect a directory below the output assembly called 'update_parts' and any parts in there will be used to overwrite existing CATParts in the original assembly folder. 4- The assembly is force to accept the new (updated) CATParts. <p>So this mechanism is manual but allows assemblies to be updated if some CATParts are changed.</p>
3	The translator now supports processing of JT file that only contain tessellated data to write CGR output
	Support for STEP AP242 BOM + JT for both read and write V5i has now been implemented
4	Use the CATIA Part Number attribute values to name the JT parts catia5i-jt - added option ' use_part_number ' which names the output nodes (JT files also) after the PART NUMBER attr in catia5 and not just the CATPart names
5	<p>Support for Mandatory JT Properties</p> <p>There are a number of mandatory JT properties defined in the ProSTEP JT Recommend Practices document that were omitted from the V5i to JT output which are now included</p>
6	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 ID	Limitations and Restrictions
1	<i>There is an API limitation whereby it will read Catia R2019 data but will only write up to Catia5 R2018. This should not cause a problem as Catia5R2019 will read Catia5R2018 data successfully.</i>
2	<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>
3	<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>
4	<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	Brief Description Call ID
CAS-03694	Error in CAD_MOMENT_OF_INERTIA output value
CAS-03671	JT assembly root node incorrectly named GCODESIGN
CAS-04024	JT file does not show face

