



PRODUCT RELEASE ANNOUNCEMENT

Product Category	Visualize 3D
Product Group	CATIA V5 for JT
Product Release Version	22.0

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History

Revision	Update Information
1.0	Initial document release for Version 22.0

Product Codes

Product Code	Product Description
CA5JT-U1	CATIA V5 (CAA Based) to JT (uni-directional)
JTCA5-U1	JT to CATIA V5 (CAA Based) (uni-directional)
CA5JT-A5	CATIA V5 (CAA Based) to JT (uni-directional) with PMI Add On
CA5JT-A6	CATIA V5 (CAA Based) to JT (uni-directional) with Electrical Add On
CA5JT-A7	CATIA V5 (CAA Based) to JT (uni-directional) with 3D PDF Add On
JTCA5-A1	JT to CATIA V5 (CAA Based) (uni-directional) with 3DPDF Add On
JTCA5-A2	JT to CATIA V5 (CAA Based) (uni-directional) with 3DXML Export Module
CATJT-U1	CATIA V4 to JT (uni-directional)
CAGJT-U1	Combined CATIA V4 & CATIA V5 to JT (uni-directional)
CAGJT-U2	Combined CATIA V4 & CATIA V5 to JT (uni-directional) with PMI Add On



Supported Application Revisions

The following application revisions have been qualified with this release

Application	Revision
CATIA V4	All revisions
CATIA V5	CATIA V5-6R2015, CATIA V5-6R2016, CATIA V5-6R2017 & CATIA V5-6R2018
JTOpen	JTK 10.1.0.0

Supported Operating Systems

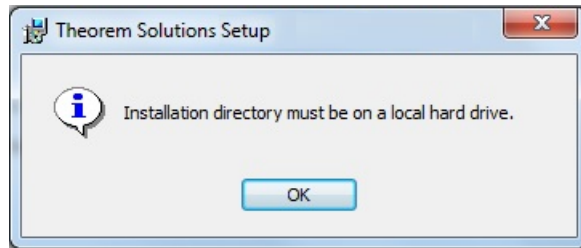
The following operating systems have been qualified with this release

Operating System	Qualification Status
Windows 7 64bit	Qualified and fully supported (All CATIA Revisions)
Window 8 64bit	Qualified and fully supported for CATIA V4, CATIA V5-6R2015, CATIA V5-6R2016, CATIA V5-6R2017 & CATIA V5-6R2018
Windows Server 2008 R2	Qualified and fully supported for CATIA V4, CATIA V5-6R2015, CATIA V5-6R2016, CATIA V5-6R2017 & CATIA V5-6R2018
Windows Server 2012	Qualified and fully supported for CATIA V4, CATIA V5-6R2015, CATIA V5-6R2016, CATIA V5-6R2017 & CATIA V5-6R2018
Window 10 64bit	Qualified and fully supported for CATIA V4, V5-6R2016, CATIA V5-6R2017 & V5-62018.



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 site. The installation media for the bi-directional product is also the same media when installing a uni-directional variant.

Product Codes	Select link to download CD images
All Product Codes for all supported versions of CATIA V5	https://s3-eu-west-1.amazonaws.com/theorem.software/CADverter_22.0/CAD_22.0_CA5JT_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.



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Related Package	URL for CD image download
Theorem User Interface	https://s3-eu-west-1.amazonaws.com/theorem.software/CADverter_22.0/CAD_22.0_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

CATIA V5 to JT (CA5JT)

Ref ID	New Feature / Enhancement Description
1	When creating 3D dimensions and annotations the processing of CATIA V5 filled fonts will recreate the JT output using JT text glyphs. One benefit of using JT glyph-based text definitions is that when the model is reoriented, such that the initial view of the text is reversed, the user can select the annotations to be automatically reoriented.
2	When processing CATIA V5 Captures without assigned Camera definitions the process will use the extents of the PMI objects to create a view zoom context. This process can show incorrect results especially when a Capture only contains a single dimension. In these circumstances the view is often zoomed in too much. The recommended practice is for each Capture to have a defined Camera associated with it which will control the exact zoom state requirements.
3	When specifying numeric values in the AdvancedOptions field of the tess.Config file the values can now be entered using the normal decimal separator for the current locale. In earlier releases the decimal separator for values in the field were forced to be defined using the period "." character. However, with this change the comma "," separator is now also supported if required.
4	A new option in the Catia5Options section of the JT tess.config file, convert_generic_fillet_surface_tol , allows the user to control the tolerance to be applied when processing generic fillet surfaces. Previously this option would have to be specified using the AdvancedOptions input.
5	Integrated with JT Open Libraries version 10.1.0.0

JT to CATIA V5 (JTCA5)

Ref ID	New Feature / Enhancement Description
1	When reading JT data the subnode option is enabled by default. This ensures that when reading JT file that contain SUBNODE properties the resultant CATIA V5 output has an equivalent representation. To disable this feature use the option no_subnode



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2	Integrated with JT Open Libraries version 10.1.0.0
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Known Limitations and Restrictions

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

CATIA V5 to JT (CA5JT)

Ref ID **Limitations and Restrictions**

Ref ID	Limitations and Restrictions
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JT to CATIA V5 (JTCA5)

Ref ID **Limitations and Restrictions**

Ref ID	Limitations and Restrictions
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General

Ref ID **Limitations and Restrictions**

Ref ID	Limitations and Restrictions
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Resolved Support Calls

The following list of Support Calls are resolved with this release

Support Call ID	Brief Description
CAS-03397-R1S1N1	Translator fails to process Composites data correctly
CAS-03613-D6H0W9	JT read STEP BOM fails to process STEP AP242 BOM data from PLM systems
CAS-03686-M0H1Z6	Processing the part with construction geometry and output MBD settings causes the translator to crash
CAS-03688-K8S6Z1	Translator crashes when using MPROPS option processing files with inch based units
CAS-03780-V9R4S7	Read Construction Geometry & Read PMI causes a crash V5 > JT
CAS-03793-X1G0Y0	Change to the conversion of curves to NURBS prevent the conversion of Axis Lines to NURBS output.
CAS-03802-T5D7J8	Incorrect component positions when reading vendor generated STEP AP242 BOM assembly with subordinate JT files

