Product Release Announcement

Product Category	CADTranslate
Product Group	CATIA V5 for JT
Product Release Version	27.0

Document Type	Product Release Announcement
Document Status	Released
Document Revision	1.0
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History

Revision	Update Information
1.0	Initial document release for Version 27.0

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 V5-6R2020 CATIA V5-6R2021 CATIA V5-6R2022 CATIA V5-6R2023 CATIA V5-6R2024
JTOpen	JTK 11.4

Supported Operating Systems

The following operating systems have been qualified with this release

Operating System	Qualification Status
Windows 10 Windows 11	Qualified and fully supported for CATIA V4 CATIA V5-6R2020 CATIA V5-6R2021 CATIA V5-6R2022 CATIA V5-6R2023 CATIA V5-6R2024

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	CAD_27.0_CA5JT_WIN.01.msi
Theorem User Interface	CAD_27.0_UI_WIN.01.msi
Theorem License Manager	CAD_FLEXLM_11.19_WIN.01.msi

New Features / Enhancements

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

CATIA V5 - JT

Ref ID	New Feature / Enhancement Description
1	Support for CATIA V5-6R2024
2	Support for JTk 11.4
3	TheoremXR Upload for multiple additional file types

Requirements

The following list of Requirements are deployed with this release.

Requirement ID	Brief Description
REQ-231	JT Reference Sets
REQ-398	Semantic PMI
REQ-542	Insert existing component and drawing use
REQ-612	PMI associations not functioning In JT
REQ-656	V5 support for PMI type CATITPSEdgeOfUndefinedShape
REQ-746	Promote parameters to the top node of JT
REQ-747	Always read the part body from CATIA
REQ-878	Additional TVP types to TVP menu
REQ-907	Update JT to use JTK 11.4
REQ-965	Allow use of noshow_list and noshow_list_recursive in same transltion
REQ-975	Create a reference set containing all items on NO SHOW in CATIA
REQ-994	Add a space to the JT annotations when 'text_name' is used to add the feature name to annotations
REQ-1003	PMI issue when importing JT file from CATIA into Solidworks
REQ-1017	Read PMI associations only for shown geometry
REQ-1064	Add PMI restricted areas to similar node in PMI tree
REQ-1095	when using text_name ensure PMI notations match CATIA behavior

Known Limitations and Restrictions

The following limitations and restrictions have been identified prior to release.

CATIA V5 to JT (CA5JT)

Ref ID	Limitations and Restrictions
1	If Flex LM diagnostics are enabled in ts_env.bat the CATIA V5 > JT process will fail to produce a JT file set FLEXLM_DIAGNOSTICS=3
2	For CATIA V5-6R2024 (R34) the 'Save As' functionality to .jt will fail for assembly files. This is raised with Dassault Systemes support ref SR01191635 For Interactive use in this scenario the user should use the 'Theorem Export' menu option.

JT to CATIA V5 (JTCA5)

Ref ID	Limitations and Restrictions

General

Ref ID	Limitations and Restrictions
1	The minimum supported version of FlexLM is 11.19

Resolved Support Calls

The following list of Support Calls are resolved with this release.

Support Call ID	Brief Description
TH-638	Output_mbd and output_mbd_leaf_nodes not working
TH-685	CATIA Dimensions appeaing in nodes container in JT
TH-727	Spacing issue
TH-745	PMI associations not transferring to JT file
TH-761	Spacing Issue
TH-765	NIST files not processing
TH-773	Restricted area translating into wrong location
TH-783	PMI regions not translating to correct location
TH-804	Negative mass values in JT

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