

# **MEVEA Creo Exporter**



## **USER GUIDE**

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## User Guide

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## Overview of Theorem

#### About Theorem

Theorem Solutions is a world leader in the field of Engineering Data Services and Solutions. This leadership position stems from the quality of our technology and the people in the company. Quality comes not only from the skills and commitment of our staff, but also from the vigorous industrial use of our technology & services by world leading customers.



We are proud that the vast majority of the world's leading Automotive, Aerospace, Defense, Power Generation and Transportation companies and their Supply chains use our products and services daily. Working closely with our customers, to both fully understand their requirements and feed their input into our development processes has significantly contributed to our technology and industry knowledge.

Theorem Solutions is an independent UK headquartered company incorporated in 1990, with sales and support offices in the UK and USA. Theorem has strong relationships with the major CAD and PLM vendors, including; Autodesk, Dassault Systemes, ICEM Technologies (a Dassault company), PTC, SolidWorks, Spatial Technology and Siemens PLM Software. These relationships enable us to deliver best in class services and solutions to engineering companies worldwide.





### Theorem's Product Suite

Theorem have 3 main Product brands. These are:



#### TRANSLATE

Direct translation of 3D data to or from an alternate CAD, Visualization or Standards Based format.

See our <u>website</u> for more detail.



#### PUBLISH

The creation of documents enriched with 3D content

See our <u>website</u> for more detail.



#### VISUALIZE

Visualization for <u>Augmented (AR)</u>, <u>Mixed (MR)</u> and <u>Virtual (VR)</u> Reality applications

See our <u>website</u> for more detail.





## Getting Started

Documentation & Installation Media

The latest copy of the User Guide documentation can be found on our web site at:

#### http://www.theorem.com/Documentation

Select **MEVEA Creo Exporter** from the product selection list to locate the Product Release Notes that contain download links. Each product has a specific link that provides user documentation in the form of PDF and Tutorials.



Alternatively, you can request a copy of the software to be shipped on a physical CD.

#### Installation & License Configuration

An installation and license configuration tutorial video can be found via <u>www.theorem.com/documentation</u> and select **MEVEA Creo Exporter** from the product selection list to show the available tutorials and documentation.

Alternatively, you can follow the steps below. The installation is run from the .msi file download provided. To run any product a valid license file is required. Theorem will provide a node locked license.

Product Installation

To begin the installation, double click on the .msi file that you have downloaded.







#### Begin the installation by selecting 'Next'

🕼 Theorem Solutions v23.3.02	CREO > FBX Setup $ \times$
Theorem	Welcome to the Theorem Solutions v23.3.02 CREO > FBX Setup Wizard
	The Setup Wizard allows you to change the way Theorem Solutions v23.3.02 CREO > FBX features are installed on your computer or to remove it from your computer. Click Next to continue or Cancel to exit the Setup Wizard.
	Back Next Cancel

Read and accept the Terms & Conditions and select 'Next'



Select the Users to install for and select 'Next'







Choose your installation directory and whether Start Menu & Desktop shortcuts should be created

		_	Х
Theorem Solutions v23.3.02 CREO > FBX Setup			^
Destination Folder	12		
Click Next to install to the default folder or click Change to	1	heor	
choose another.	X	Solut	ions
Install Theorem Solutions v23.3.02 CREO > FBX to:			
			-
C:\Program Files\Theorem\23.3\			
Change			
2000			
Add Start Menu Item			
Add Desktop Shortcut			
Back	<u>N</u> ext	Cano	el

Select the versions of Creo to install for by expanding the list. Any versions that are installed should be selected automatically if the version of Creo was installed directly on the machine (pre-packaged products won't be found).

Select 'Install' to begin

🛃 Theorem So	olutions v23.3.02 CREO > FBX Setup -		$\times$
Product Fe Select the	atures way you want features to be installed.	Theo	orem
	Creo FBX Products X		
	al CADverters requires 346MB on your hard drive.		
	Back 🌍 Install	С	ancel





License Configuration

Once complete, the 'Product Configuration' window will appear. The License settings will be visible.

The Mevea Creo Exporter will require a local, node locked license that should have already been provided. To configure this, remove the '7601' value if populated and then use the file explorer to select your license file

Theorem Solutions	Product Configuration [C:\Program Files\Theorem\23.3]	-		×
Configurations Creo	License			
License	-			
Other	Server License Settings			
other	Define the port and host for the license (e.g. Port: 7601 Host: host_name) Port: Host: Host:			
	Unserved License Settings			
	For unserved license configurations select a standalone license file			
	C:\Program Files\Theorem\License\107029_03_December_2020_License.lic			
	✓ OK		🗶 Ca	ncel

Select OK to confirm these options.

Your installation and license configuration is now complete. Select 'Finish' on the installer window.





## User Guide



#### Using the Product

To use the product, follow the documented steps found in this document under <u>Creo FBX</u> <u>Export</u> below or follow the tutorials provided via <u>www.theorem.com/documentation</u> and select **MEVEA Creo Exporter** from the product selection list.

## Creo FBX Export

#### Launching Creo

Creo Parametric can be launched via the Theorem Desktop icon created during the installation process or by running the file %Theorem\_Install%\bin\protk\_start\_crX.cmd (where X is your version of Creo e.g. 6).

This will launch Creo with Theorem's toolkit application.

#### Using the Theorem Creo Toolkit

Once Creo is open, load a file into the window.

Under the 'Tools' tab, locate the Toolkit menu:



Select 'Tools' and locate the Theorem Menu. Select *Theorem > Theorem Export > Theorem Mevea Export Process* 



Once selected, a new Menu will appear:





Select ×						
Select 1 item.						
OK Cancel						

Select the required Sub-Assembly for processing.

Once selected, another menu will appear as below:

Sele	ect X				
Select 1 item.					
OK Cancel					

Select the required CSYS to be process.

Now you will be asked to provide the export directory for the data. Select the desired folder and select 'Open'

		Outp	out Directory			х
◆ ▼ ↓ tscpc14	49 ► OS (C:) ► Temp	Output_Files		- tj	Search	
🗇 Organize 🗸 📗 Vie	ws 🗸 🎁 Tools 🗸					\$?
Common Folders Desktop My Documents						
<ul> <li>scpc149</li> <li>Working Directory</li> <li>Favorites</li> </ul>						
💣 Network						
	File name: . Date n	modified: 10-Dec	-20 12:36:42 PM	Type Direc	tories	
Folder Tree				Open	-	<u>C</u> ancel

Once both the Assembly and CSYS are selected, a confirmation will appear:

	Export Confirmation	×
8	Export with the selection Part: 70_10 csys: DIPPER_ARM	?
	Yes No	





Select 'Yes' to process and export this data.

Once completed, the user will be presented with a new window showing where the output files have been exported:







## Notes

A User must select a CSYS that is at the same level in the structure as the required geometry. If not, an error will be presented:



The process will also be cancelled and a message confirming this presented in Creo

Error in csys selection. Process cancelled.

## Troubleshooting

#### License Failure

If your license file has not been set correctly, you will see this pop up message when you try the Creo Export:

FlexNet License Finder	×	
Your application was not able to obtain a license because the FlexNet license server manager could not determine where to find the licensing		
data it needs. Please choose one of the following:		Export Warning 🗙
<ul> <li>Specify the License Server System</li> <li>Specify the License File</li> </ul>		Export process failed. Error Code: (-1073740791)
Copyright (c) Flexera Software LLC		ОК
	/	8111 81

This means that your Node Locked license has not been defined, please ensure that your license is set by running the 'v23.3 Product Configuration' shortcut from the Desktop (as image below) or by running *C:\Program Files\Theorem\23.3\bin\Configure.cmd* and ensuring the license file is correctly selected as seen in License Configuration.



Once set, restart Creo and try the Export process again.





#### Other error message:

#### If you receive this error:



This may be an error due to unrecognised characters being defined in the temporary path. Please run the 'v23.3 Product Configuration' shortcut from the Desktop or by running *\*your\_install\_path\*\bin\Configure.cmd* and ensure the following path is defined to a path only containing ASCII characters, then try your export again.

Theorem Solutions P	roduct Configuration [D:\Theorem_Software\Translators\23.3 crefbx]	-		×
Configurations	Conter			
Creo	÷			
License Other	General settings			
other	Define the location that is used for temporary files (e.g. C:\temp\theorem) C:\Users\rdugmore\AppData\Local\Temp			
	UI settings			
	Invoke extra diagnostic output from UI translations.			
	Create XML style output logs from translations within the UI.			
	Variable settings			
	If required - locate a batch file containing custom environment settings			
	<b>√</b> 0	K	X Ca	ancel

