

Fixes and Enhancements

Creo Elements/Direct® Modeling 20.7.1.0

Please find below the list of fixes and enhancements - as of October 4th, 2024 - that have been implemented for Creo Elements/Direct Modeling and Creo Elements/Direct 3D Access 20.7.1.0.

Known Issue:

Clicking **Legal Notices** in the **About Creo Elements/Direct Modeling** dialog box does not open the legal notices.

To see the legal notices, you can use one of the following methods:

- Click [here](#).
- Browse to <Creo Elements/Direct Modeling installation directory>/help/en/ced_modeling/baggage/documentation and double-click legalnotices.html.

What's New:

Click the [link](#) to check what is new in the release!

NOTE:

The relations solver has been enhanced in Creo Elements/Direct Modeling 20.3 to provide improved solutions for assembly and parametric relations especially for cases involving tangential transitions within fully constraint model geometry. At the same time this might lead to differently calculated solutions for under-constrained relation sets.

This change might therefore affect existing animations created with previous versions of Creo Elements/Direct Modeling containing relations or involving positional movement of parts. Existing animations capturing positions of models moved by dragging using 3D Copilot could yield in slightly different final positions of the models.

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List of fixed SPRs:

ID	Module	Description	Release
15060525	3D Access	IGES and SAT modules are not loaded at startup.	Modeling 20.7.0.0
14805847	Advanced Design Simplification	Stabilize the Simplification Module.	Modeling 20.7.0.0
14716639	Annotation	Annotation becomes unresponsive when attempt to place user defined symbol without an Annotation drawing.	Modeling 20.7.0.0
14935954	Annotation	Values of 'OutputDrawingFormat' needs to be in sync with CVA implementation.	Modeling 20.7.0.0
15041219	Annotation	Issue observed in Absolute size in Edge and Moulding Symbol	Modeling 20.7.0.0
15124843	Annotation	Performance hit on printing a drawing with Searchable text from Annotation/Drafting.	Modeling 20.7.0.0
13520019	Annotation - Dimension	Dimension fix texts are taken over to next dimension where it shouldn't	Modeling 20.7.0.0
14869288	Annotation - Dimension	In Annotation, when a dimension is placed when creating a dimension, it is highlighted in Creo Elements/Direct Modeling	Modeling 20.7.0.0
15264838	Annotation - Dimension	A measure in the annotation cannot be set as tolerance type Basic	Modeling 20.7.0.0
9107113	Annotation - Filing	Some variables from DXFDWG Configurator UI are not captured in *.con file.	Modeling 20.7.0.0
14608953	Annotation - Symbol	In "Annotation" the width of dialog boxes for "Symbols" cannot be changed anymore in Creo Elements/Direct Modeling	Modeling 20.7.0.0
15043821	Annotation - Symbol	Absolute size of symbol text of Moulding and Edge symbols does not reflect the changes made, while relative size does.	Modeling 20.7.0.0
14180062	Annotation - Text	After upgrading to Version 20.4.2.0 some fonts in "Annotation" appear bold after printing or exporting to PDF in Creo Elements/Direct Modeling	Modeling 20.7.0.0
14673727	Annotation - Text	When trying to edit a text in "Annotation" the error message "LISP error: The function DOCU::SET-MULTI-LANG-RIGHT-CLICK-INSERT-ALLOWED is undefined" appears in Creo Elements/Direct Modeling	Modeling 20.7.0.0
14674003	Annotation - Text	In "Edit Text" command, LISP error "The function DOCU::SET-MULTI-LANG-RIGHT-CLICK-INSERT-ALLOWED is undefined"	Modeling 20.7.0.0

14822960	Annotation - Text	When a "Text" with two lines is saved as a template with command "Define Text as Template" in "Annotation" the font size and colour of the second line will change in Creo Elements/Direct Modeling	Modeling 20.7.0.0
9873767	Annotation - View	Unable to create a new Annotation 2D View if temp disk space is larger than 2TB	Modeling 20.7.0.0
14604907	Annotation - View	Modeling crashes on creating drawing view of a part having pattern of stepped holes from Machining features.	Modeling 20.7.0.0
14610215	Annotation - View	For two instances of hole, Bolt Circle Dia (BCD) is getting created as garbage for Tapped Holes and Through Holes	Modeling 20.7.0.0
13652721	Annotation - View Update	When adding a view to a drawing where the owner is an inseparable object the existing views need to be updated	Modeling 20.7.0.0
14602975	Annotation - View Update	Bolt circle radial lines are not aligned radially after a user modifies the pattern (adds/removes an instance of hole) in Modeling and updates the view in Annotation.	Modeling 20.7.0.0
14603168	Annotation - View Update	Garbage elements are created after view update.	Modeling 20.7.0.0
13755503	Base Functionality - Modeling	CEDM occurrence values are propagating to different component ID after publishing, this also causes issue in cad-wt part compare	Modeling 20.7.0.0
14164789	Base Functionality - Modeling	WVS Job logs For Additional file format conversion for drawings in case of error reporting Shows as "Converting Model to Format INVENTOR"	Modeling 20.7.0.0
14321963	Base Functionality - Modeling	Support multi-byte characters for CEDM	Modeling 20.7.0.0
14829379	Base Functionality - Modeling	AR "Publish Model" and "Manage Model" are not available in Creo Elements/Direct Modeling.	Modeling 20.7.0.0
14904594	Base Functionality - Modeling	Importing '0.pkg' file and '1.pkg' file in Modeling shows error.	Modeling 20.7.0.0
14932392	Base Functionality - Modeling	Error "Failed to authenticate user" is shown during AR workflow.	Modeling 20.7.0.0
15061986	Base Functionality - Modeling	AR published models does differ on the basis of Viewable quality - low, medium, high. The recipe files from "prodview" folder are not picked programmatically for creating pvz files.	Modeling 20.7.0.0
15132165	Base Functionality - Modeling	Workplane not modified when geometry is draw using Palette group.	Modeling 20.7.0.0
14575218	File server	If install MEIs with the "HTTP" type, then start it again with the installer and run it with "Modify", get warning message related to "nginx.conf"	Modeling 20.7.0.0

14849823	Installation - Modeling	Update File version/Product version for these two binaries SD.exe and SDKill.exe.	Modeling 20.7.0.0
14876277	Installation - Modeling	Rename all the occurrences of "costmodel.lsp" => sha_costmodel.lsp at Cost estimates, etc. in Help Centre.	Modeling 20.7.0.0
14901729	Installation - Modeling	Modeling 20.7 critical vulnerability - affects DoD	Modeling 20.7.0.0
14954662	Installation - Modeling	Package recipe editor with CED installation	Modeling 20.7.0.0
15109001	Installation - Modeling	Remove cpio.exe	Modeling 20.7.0.0
15229904	Installation - Modeling	Registry entries are not cleared after uninstallation of products.	Modeling 20.7.0.0
14202299	Integration Kit	"sd-return-to-model-checkpoint" function not working in Creo Elements/Direct Modeling	Modeling 20.7.0.0
9728552	Interfaces - DWG/DXF	DXFDIR path won't be recognized in Creo Elements/Direct Modeling	Modeling 20.7.0.0
15124265	Interfaces - DWG/DXF	Providing outputDrawingFormat recipe option through additional recipe file doesn't create correct format (dwg/pdf)	Modeling 20.7.0.0
13306463	Interfaces 3D	After store a file in eDrawings professional format the software raises the message Error LISP: Improper number vector syntax at every graphical pick or graphical selection	Modeling 20.7.0.0
14585920	Interfaces 3D	Worker configured with CEDM 20.5.1 is unable to process larger assemblies	Modeling 20.7.0.0
14816690	Interfaces 3D	When trying to export 3D data as PVZ the error message "Action failed save_pv/signal/sigsegv" occurs in Creo Elements/Direct Modeling	Modeling 20.7.0.0
14816908	Interfaces 3D	When loading "PVZ" models which were created in "Creo Elements/Direct Modeling" holes and blends are shown as squares in Creo View	Modeling 20.7.0.0
14827199	Interfaces 3D	AR publishing fails when Creo View MCAD module is removed from Startup list in Modules.	Modeling 20.7.0.0
14617508	Interfaces 3D - Creo	When exporting 3D data as PVZ the error save_pv/signal/sigsegv occurs	Modeling 20.7.0.0
15168988	Interfaces 3D - Creo	Modeling crashes on import of Creo multibody files.	Modeling 20.7.0.0
14845467	Licensing - Modeling	Support MEIs with latest NGINX version.	Modeling 20.7.0.0

15035886	Licensing - Modeling	Random / garbage value displayed in Modeling query and xml generated by Modeling.	Modeling 20.7.0.0
15043994	Licensing - Modeling	Support for SCN and Customer number separated with only ':'. :	Modeling 20.7.0.0
14406923	Modeling	Publish multi sheet mi file as DXF output, then all sheets are publishing in sheet1.	Modeling 20.7.0.0
14520232	Modeling	CEDM DAPI toolkit update to CV 10.0	Modeling 20.7.0.0
14665737	Modeling	Unable to save newly selected Master 2D to Manager Server	Modeling 20.7.0.0
14885636	Modeling	When CED part has Base density value set to "None" and imported to Creo, newly created Material should get density value as 1.	Modeling 20.7.0.0
14885673	Modeling	When .pkg file has "." in its name, Material name is not coming correctly when imported to Creo	Modeling 20.7.0.0
14886378	Modeling	Transferred CED Material name length is restricted to 30 characters. Long name should be truncated and limited to 31 characters	Modeling 20.7.0.0
14897748	Modeling	CEDM Worker hang and fails with timeout if publishing user does not have valid windchill license.	Modeling 20.7.0.0
15038526	Modeling	CEDM worker fails to Export XVL as alternate file format.	Modeling 20.7.0.0
15070985	Modeling	Positioning assembly representation with multi-byte file name for parts/sub-asm for a CEDM assembly does not load them in Creo View Client.	Modeling 20.7.0.0
15130995	Modeling	In assembly instance density parameter value is not scaled like part level parameter	Modeling 20.7.0.0
15132157	Modeling	Windchill auth admin password is not masked for CEDM failed job scenario.	Modeling 20.7.0.0
15202332	Modeling	Creo View Adapter 11.0 configured in multibyte folder using CE/D Modeling 20.7 cannot publish mi drawing files. It is throwing "No write access for file.....".	Modeling 20.7.0.0
14789624	PartLibrary	Critical vulnerability in Ghostscript gswin32c.exe and gsdll32.dll	Modeling 20.7.0.0
7938853	PCB/IF	Information about " Clean Geo" option under Creo Elements/Direct PCB module not documented in PTC Help Centre	Modeling 20.7.0.0
15126223	Plot / Print Modeling	The option 'Searchable Text' is seen for all types of printers in Print UI. Need to hide this except for PDF_GENERIC printer.	Modeling 20.7.0.0

15127788	Plot / Print Modeling	Segmentation violation error on plotting a drawing with searchable text.	Modeling 20.7.0.0
15128165	Plot / Print Modeling	Pen width and line width is not shown in plots with searchable texts.	Modeling 20.7.0.0
15147279	Plot / Print Modeling	Multi language texts are not searched in pdf when drawing is plotted with the option 'Searchable text' ON.	Modeling 20.7.0.0
15072839	User Interface - Modeling	Viewport background image disappear after using a configuration or loading mode	Modeling 20.7.0.0
14509916	WGM for Modeling	For a selective instance data inside an assembly, unique comp ID is not seen same as Windchill ID	Modeling 20.7.0.0
8755370	Workplanes/Work planeSets	2D-Copilot will disappear when editing the second coordinate value on the workplane in Creo Elements/Direct Modeling	Modeling 20.7.0.0
14697934	Annotation - Drawing & Sheet	When loading a drawing with multiple sheets (it occurs with all multi-sheet-drawings), additional frames are added, and these are then empty (it doesn't occur with single sheets)	Modeling 20.7.1.0
15433721	Annotation - Symbol	Text Ratio for symbol templates in Annotation is set to 1, although it has a different value in the original	Modeling 20.7.1.0
15637059	Base Functionality - Model Manager	Performance Advisor doesn't show any data on PTC page for Creo Elements/Direct Modeling	Modeling 20.7.1.0
12740995	Base Functionality - Modeling	Loading a Creo Parametric file leads to a crash	Modeling 20.7.1.0
13755503	Base Functionality - Modeling	CEDM occurrence values are propagating to different component ID after publishing, this also causes issue in cad-wt part compare	Modeling 20.7.1.0
14164789	Base Functionality - Modeling	WVS Job logs For Additional file format conversion for drawings in case of error reporting Shows as "Converting Model to Format INVENTOR"	Modeling 20.7.1.0
14321963	Base Functionality - Modeling	Support multi-byte characters for CEDM	Modeling 20.7.1.0
14698350	Base Functionality - Modeling	System premature exit when moving a very small line likes 0.2 mm during zoom out and cursor moving period in Creo Elements/Direct Modeling 20.6	Modeling 20.7.1.0
15385811	Filing - Modeling	LISP error is shown on hitting 'All Objects' option on Save dialog while exporting files with extension *.sd*, *.stp, *.pvz, etc....	Modeling 20.7.1.0
15429551	Installation - Modeling	Default opt in option for Diagnostic tools in Modeling installer.	Modeling 20.7.1.0

10180757	Integration Kit	Modeling crashes when something is wrong in the browser_view.lsp	Modeling 20.7.1.0
15407062	Licensing - Modeling	Possibility to execute arbitrary OS commands on the server the Creo Elements Direct License Server	Modeling 20.7.1.0
15440025	Licensing - Modeling	Security vulnerability in the use of License Server and NGINX as a reverse proxy	Modeling 20.7.1.0
15502293	Licensing - Modeling	The upgrade scenario for HTTPS does not work as the conf file of nginx is not updated with latest content/code done for recent fixes.	Modeling 20.7.1.0
15544794	Licensing - Modeling	Creo Elements/Direct License server Penetration testing - the application is vulnerable to Insecure Direct Object References (IDOR). CVSS 8.1	Modeling 20.7.1.0
15544799	Licensing - Modeling	Creo Elements/Direct License server Penetration testing - the application service crashes upon sending a malformed request. CVSS 7.5	Modeling 20.7.1.0
15544815	Licensing - Modeling	Creo Elements/Direct License server Penetration testing - Application is vulnerable to clickjacking or "UI redress attack" CVSS 6.3	Modeling 20.7.1.0
15544819	Licensing - Modeling	Creo Elements/Direct License server Penetration testing - The application stores password in plain text in the config file. CVSS 6.2	Modeling 20.7.1.0
15544825	Licensing - Modeling	Creo Elements/Direct License server Penetration testing - application error message and response header reveals server version information CVSS 5.3	Modeling 20.7.1.0
15545448	Licensing - Modeling	Creo Elements/Direct License server Penetration testing - Secure and HTTP flags are not set for the cookie Creo Elements/Direct License server Penetration testing - CVSS 4	Modeling 20.7.1.0
15545455	Licensing - Modeling	Creo Elements/Direct License server Penetration testing - Application is package with random Email. CVSS 3.2	Modeling 20.7.1.0
15773555	Licensing - Modeling	Link of backup server on primary server does not work. It shows 'Bad request' message.	Modeling 20.7.1.0
15773597	Licensing - Modeling	Licenses gets truncated while editing them on status page.	Modeling 20.7.1.0
14509916	Modeling	For a selective instance data inside an assembly, unique comp ID is not seen same as Windchill ID	Modeling 20.7.1.0
14520232	Modeling	CEDM DAPI toolkit update to CV 10.0	Modeling 20.7.1.0
14603489	Modeling	For WVS publishing, created paj file does not mask password immediately and file with failed job.	Modeling 20.7.1.0
14897748	Modeling	CEDM Worker hangs and fails with timeout, if publishing user does not have valid windchill license.	Modeling 20.7.1.0

15132157	Modeling	windchill auth admin password is not masked for CEDM failed job scenario.	Modeling 20.7.1.0
15135865	Modeling	In assembly instance density parameter units are also not set	Modeling 20.7.1.0
15263335	Modeling	Delete Multiple WPs from WP-Set after creating loft gives sigsegy error.	Modeling 20.7.1.0
15274150	Modeling	Exporting a PVZ of an assembly (stored in Windchill) with selective instances (selective unshared objects) where the selective context is shared, all Windchill attributes + the Source_file_name attribute of the object are missing in Creo View.	Modeling 20.7.1.0
15388668	Modeling	Visualizations of large assemblies fail despite PVIEW_CEDM_SINGLE_INSTANCE=0 (sys ENV VAR) set	Modeling 20.7.1.0
15704414	Modeling	Creo View Adapter job takes much longer with version CEDM 20.6 as with version 20.5	Modeling 20.7.1.0
15692161	Modeling Express	CED Modeling Express 9.0: IGES import fails in Modeling Express.	Modeling 20.7.1.0
15639310	Part/Assembly	Function CREATE_PART doesn't work with keyword :owner and value type :assembly in version 20.6.2.0	Modeling 20.7.1.0
15726046	Sheet Metal - Fold/Unfold	Info texts are missing in the unfolded flat in Sheet Advisor in Creo Elements/Direct Modeling	Modeling 20.7.1.0
14878334	User Interface - Modeling	The viewport background colour changed with "Viewport Properties" dialog is reset when loading model data in Creo Elements/Direct Modeling	Modeling 20.7.1.0
13364747	WGM for Modeling	Creo Elements/Direct Modeling IKIT Help documentation should include the newly implemented function for CED-WGM	Modeling 20.7.1.0
13473818	WGM for Modeling	Update CEDM Help with new WGM function "sd-uwgm-inq-obj-partially-loaded-p" in IKIT	Modeling 20.7.1.0
13609695	WGM for Modeling	Views in Creo Elements/Direct Modeling Annotation drawings can be deleted while the owning 3D object is locked (in Workspace and session) - this should not be allowed	Modeling 20.7.1.0
14062003	WGM for Modeling	When a Drawing is opened from WGM & when CEDM is not running, Drawing gets opened in session with modified flag.	Modeling 20.7.1.0
14331394	WGM for Modeling	When configuration is made active and Change load type is done, the top-level Instance gets modified in session.	Modeling 20.7.1.0
14443978	WGM for Modeling	Library data with same SysID is unnecessarily asked for Check Out when Save to WS is done from Annotation	Modeling 20.7.1.0

14445772	WGM for Modeling	Custom Part/Assembly Library always creates Top Level Instance with same File Name "New.sda"	Modeling 20.7.1.0
14463871	WGM for Modeling	Second Top-Level Instance gets loaded in Partial mode when first TLI is loaded with Name having invalid characters.	Modeling 20.7.1.0
14468626	WGM for Modeling	Saving a drawing with same File Name with options "Continue" or "Reload" does not work	Modeling 20.7.1.0
14470453	WGM for Modeling	Table range/subrange selection does not work as expected in Creo Elements Direct Modeling	Modeling 20.7.1.0
14509916	WGM for Modeling	For a selective instance data inside a assembly, unique comp ID is not seen same as Windchill ID	Modeling 20.7.1.0
14519062	WGM for Modeling	Inseparable icon of the parent node is not seen in CEDM session, when data is saved to workspace	Modeling 20.7.1.0
14604634	WGM for Modeling	Even when Assembly is loaded in Full mode, modifications are not allowed, and an error is thrown.	Modeling 20.7.1.0
14606771	WGM for Modeling	Update of top Assembly in Modeling session with Windchill Workgroup Manager is failing	Modeling 20.7.1.0
14610344	WGM for Modeling	When trying to copy an element that has a partially loaded subassembly which was loaded with Workgroup Manager root cannot be selected as owner in Creo Elements/Direct Modeling	Modeling 20.7.1.0
14619335	WGM for Modeling	Reload of lightweight model does not work correctly since version 20.5.1.0	Modeling 20.7.1.0
14812226	WGM for Modeling	Selective Instance modifications are stored in the Top-Level Assembly Content instead of Top-Level Instance	Modeling 20.7.1.0
14830274	WGM for Modeling	Changing Load Type throws error for any Load Type specifically when WGM module is activated later for any Assembly having subassembly and children under it.	Modeling 20.7.1.0
14841361	WGM for Modeling	Unable to copy or move a model inside the structure	Modeling 20.7.1.0
14871550	WGM for Modeling	When WGM is active, an inseparable element (e.g. an assembly or container) is loaded, and a part inside the assembly is changed, this part is not marked with the modified flag/symbol	Modeling 20.7.1.0
14904429	WGM for Modeling	No Read Access Scenario: For pseudo partial (For part not available in Workspace)	Modeling 20.7.1.0
14954625	WGM for Modeling	Even when Container is loaded in Partial mode, data can creep in the structure and no designed error is thrown.	Modeling 20.7.1.0

14960640	WGM for Modeling	Container when loaded at root level with Load Type as Lightweight/Structure/Partial loads the Container in FULL mode & for Partial load also loads the structure below it in structure mode	Modeling 20.7.1.0
15025633	WGM for Modeling	Export List To CEDM in WGM fails with ERROR Message in CEDM: am_bom_scan3d_wgm/signal/sigsegv	Modeling 20.7.1.0
15109986	WGM for Modeling	Even after setting LISP function "(sd-uwgm-set-drawing-viewable-format :dwg :dxf)" Drawing is getting published always in pdf format.	Modeling 20.7.1.0
15190240	WGM for Modeling	Container is loaded in Full load for recursive reference data with "File>Open from WC" action from CEDM.	Modeling 20.7.1.0
15280692	WGM for Modeling	"LISP Error : DOCU::DOCU-OBJ-DOCU-TYPE is invalid as a function" is thrown when user does RMB on Drawing Node in Annotation	Modeling 20.7.1.0
15290950	WGM for Modeling	Inseparable icon of the parent node is not seen in CEDM session, when data is saved to workspace	Modeling 20.7.1.0
15297063	WGM for Modeling	Reloading of a second A.1 asm results in model being displayed as new	Modeling 20.7.1.0
15375787	WGM for Modeling	When Containers gets loaded in Lightweight / Structure mode, BOM export is not possible due to error message.	Modeling 20.7.1.0
15431052	WGM for Modeling	Icon missing for Assembly & Container when data is loaded from File System to CEDM session.	Modeling 20.7.1.0
15477553	WGM for Modeling	When loading a part from Windchill that has a coordinate system attached, and then changing the axis names of the coordinate system, and saving the part back into Windchill, the changed axis names are not saved	Modeling 20.7.1.0

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