

Fixes and Enhancements

Creo Elements/Direct® Modeling 20.8.0.0

Please find below the list of fixes and enhancements - as of May 9th, 2025 - that have been implemented for Creo Elements/Direct Modeling and Creo Elements/Direct 3D Access 20.8.0.0.

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
15777627	2D Access	'What's New' is not synchronized for internal & external sites in Creo Elements/Direct 2D Access.	Modeling 20.8.0.0
15669034	Annotation	Incorrect multi-language icon on toolbar "Annotation Main Tasks" in Creo Elements/Direct Modeling	Modeling 20.8.0.0
16010094	Annotation - Dimension	Error occurs when selecting Prefix or Postfix before Inspection in Annotation/Properties /Dimension/Inspection	Modeling 20.8.0.0
15433721	Annotation - Symbol	Text Ratio for symbol templates in Annotation is set to 1, although it has a different value in the original	Modeling 20.8.0.0
15878350	Annotation - Symbol	The value of the parameters in the Surface symbol ISO 21920-2021 overlaps the 'Surface lay indicator' and 'Eval area indicator' values.	Modeling 20.8.0.0
15878620	Annotation - Symbol	Surface Lay Indicator and Eval Area Indication groups are seen in Surface ISO (1302 - 1992) symbol when launched from Template browser.	Modeling 20.8.0.0
15980097	Annotation - Symbol	Surface symbols according to ISO 21920-1 cannot be created in Annotation	Modeling 20.8.0.0
16133696	Annotation - Symbol	The parameter "Profile Direction Angle" in Surface symbol ISO 21920-2021 UI does not include letter 'h' as its shortform.	Modeling 20.8.0.0
15619627	Annotation - Text	When saving a file in a Text Editor in Annotation, no extension is added even if the extension is set to "Text (*.txt)" in Creo Elements/Direct Modeling	Modeling 20.8.0.0
14317001	Annotation - View	When the orientation angle of a non-orthogonal Section View is changed the angle specification text and symbol are missing	Modeling 20.8.0.0
14601906	Annotation - View Update	Views in annotation are not updated for parts having composite Fase set features.	Modeling 20.8.0.0
15637059	Base Functionality - Model Manager	Performance Advisor doesn't show any data on PTC page for Creo Elements/Direct Modeling	Modeling 20.8.0.0
12740995	Base Functionality - Modeling	Loading a Creo Parametric file leads to a crash	Modeling 20.8.0.0
13794526	Base Functionality - Modeling	Only one Model Manager attribute is visible in XVL Studio Pro when exporting XVL from Modeling	Modeling 20.8.0.0
14698350	Base Functionality - Modeling	System premature exit when moving a very small line likes 0.2mm during zoom out and cursor moving period in Creo Elements/Direct Modeling 20.6	Modeling 20.8.0.0

15258314	Base Functionality - Modeling	The viewport background color changed with Viewport Properties dialog is reset when new drawing or new view created in Annotation	Modeling 20.8.0.0
15647501	Base Functionality - Modeling	Modified flag for part, assembly, WP, etc. does not disappear after saving pkg file in Modeling.	Modeling 20.8.0.0
16033220	Base Functionality - Modeling	String "Seed & Boundary" is not externalized	Modeling 20.8.0.0
16033225	Base Functionality - Modeling	String "Seed/Boundary" is truncated on Select dialog	Modeling 20.8.0.0
15367547	Base Sheets	When changing the material for a sheet metal object in Basic Sheets, the chosen material gets added to the material list, even if it is already created	Modeling 20.8.0.0
16136590	Diagnostic Tooling	XML is not generated when SCN / CustomerNumber is missing in license server.	Modeling 20.8.0.0
14939765	FEA	After each analysis run in FEA with Define Job the system leaves a non-empty directory in the scratchdir under Windows 11	Modeling 20.8.0.0
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 20.8.0.0
15429551	Installation - Modeling	Default opt in option for Diagnostic tools in Modeling installer.	Modeling 20.8.0.0
15772368	Installation - Modeling	Weblink for diagnostic tools on installer does not work. No page is shown.	Modeling 20.8.0.0
15776146	Installation - Modeling	The legal notices page for Modeling does not show up.	Modeling 20.8.0.0
15967342	Installation - Modeling	The link on Diagnostic Tools install page does not work.	Modeling 20.8.0.0
10180757	Integration Kit	Modeling crashes when something is wrong in the browser_view.lsp	Modeling 20.8.0.0
15468918	Interfaces 3D	When SolidWorks Assembly (*.sldasm) is opened, the objects are not shown in structure browser	Modeling 20.8.0.0
15737008	Interfaces 3D	Opening a SolidWorks assembly in Modeling Some parts of the assembly are no longer in their original position	Modeling 20.8.0.0
15810872	Interfaces 3D	XVL Converter Ver.22.0 OEM module support for Modeling.	Modeling 20.8.0.0
15980871	Interfaces 3D	NX native data version 2406 is not imported correctly in Modeling.	Modeling 20.8.0.0
15980883	Interfaces 3D	SolidEdge version 2025 native data is not imported correctly in Modeling.	Modeling 20.8.0.0

15980971	Interfaces 3D	SolidWorks 2025 data is not imported in Modeling.	Modeling 20.8.0.0
15386917	Interfaces 3D - Creo	Creo Elements/Direct Modeling density does not appear as a parameter for a specific model	Modeling 20.8.0.0
15407062	Licensing - Modeling	Possibility to execute arbitrary OS commands on the server the Creo Elements Direct License Server	Modeling 20.8.0.0
15440025	Licensing - Modeling	Security vulnerability in the use of License Server and NGINX as a reverse proxy	Modeling 20.8.0.0
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 20.8.0.0
15534058	Licensing - Modeling	No authentication mechanism to regulate access to the application.	Modeling 20.8.0.0
15534193	Licensing - Modeling	The application is vulnerable to Cross Site Request Forgery attack.	Modeling 20.8.0.0
15534201	Licensing - Modeling	The application is dependent on IP address for the Authorization.	Modeling 20.8.0.0
15544794	Licensing - Modeling	The application is vulnerable to Insecure Direct Object References (IDOR).	Modeling 20.8.0.0
15544799	Licensing - Modeling	The application service crashes upon sending a malformed request.	Modeling 20.8.0.0
15544811	Licensing - Modeling	The application doesn't have sufficient audit logs which may be required to trace back the cause in case of a security incident.	Modeling 20.8.0.0
15544815	Licensing - Modeling	Application is vulnerable to clickjacking or "UI redress attack".	Modeling 20.8.0.0
15544825	Licensing - Modeling	Application error message and response header reveals server version information.	Modeling 20.8.0.0
15544833	Licensing - Modeling	The application uses vulnerable version of nginx.	Modeling 20.8.0.0
15545446	Licensing - Modeling	Secure the application using security policies.	Modeling 20.8.0.0
15545448	Licensing - Modeling	Secure and HTTP flags are not set for the cookie Creo Elements/Direct License server Penetration testing.	Modeling 20.8.0.0
15545455	Licensing - Modeling	The application is package with.	Modeling 20.8.0.0
15773452	Licensing - Modeling	Licenses are not fetched from backup server in case of failure of primary license server.	Modeling 20.8.0.0

15773555	Licensing - Modeling	Link of backup server on primary server does not work. It shows a 'Bad request' message.	Modeling 20.8.0.0
15773597	Licensing - Modeling	Licenses get truncated while editing them on status page.	Modeling 20.8.0.0
15871494	Licensing - Modeling	Cached value should not be retained for SCN and CustNum in License server.	Modeling 20.8.0.0
16143083	Licensing - Modeling	License server crashes on fuzz testing.	Modeling 20.8.0.0
14603489	Modeling	For wvs publishing, created paj file does not masked Password immediately and file with failed job.	Modeling 20.8.0.0
15135865	Modeling	In assembly instance density parameter units are also not set	Modeling 20.8.0.0
15263335	Modeling	Deleting Multiple WPs from WP-Set after creating loft gives sigsegv error.	Modeling 20.8.0.0
15388668	Modeling	Visualizations of large assemblies fail despite PVIEW_CEDM_SINGLE_INSTANCE=0 (sys ENV VAR) set	Modeling 20.8.0.0
15437979	Modeling	Latest Creo Elements/Direct 20.8 Files should be loaded in Creo.	Modeling 20.8.0.0
15460579	Modeling	In multi-level assembly if part from 3rd or 4th sub assembly level is hidden, it's status is not properly showing as hidden when imported to Creo	Modeling 20.8.0.0
15471131	Modeling	One of the dimension annotations is missing in graphics when imported CED assembly.	Modeling 20.8.0.0
15471137	Modeling	When annotation dimension attached to Container and during CED file import if we uncheck "including containers" check button, Annotation attached to container is still showing with "D" (refer attached video)	Modeling 20.8.0.0
15487482	Modeling	When imported CED assembly and activated combined state related docuplane, Additional note appears in Creo	Modeling 20.8.0.0
15487500	Modeling	When imported CED assembly and activated combined state related docuplane, some notes are missing	Modeling 20.8.0.0
15493373	Modeling	Import attached CED assembly with docuplanes, empty assembly is imported when used project config.	Modeling 20.8.0.0
15495100	Modeling	In exploded state Hide/Unhide state of annotations is not properly handled when corresponding combined state is activated	Modeling 20.8.0.0
15516578	Modeling	Note annotations attached to Bounding box are not showing in Creo	Modeling 20.8.0.0
15516583	Modeling	While importing Assembly (with Docuplane containing Annotation dimensions that are attached to containers), if	Modeling 20.8.0.0

		we turn off "Include/containers" check button, Combined state associated with that Docuplane is missing	
15518606	Modeling	Exploded state of containers is not shown when imported to Creo and activated combined state corresponding to docuplane	Modeling 20.8.0.0
15518669	Modeling	Component which is removed through Manage parts (associated to docuplane) is still showing in Creo when activated combined state corresponding to docuplane	Modeling 20.8.0.0
15519814	Modeling	In CED assembly, newly created parts are excluded in already existing docuplanes. When such assembly is imported to Creo, these newly created parts are shown when Combined state corresponding docuplanes are activated	Modeling 20.8.0.0
15540955	Modeling	When imported CED assembly, Hidden status of Stock finish components and Containers is not preserved	Modeling 20.8.0.0
15704414	Modeling	Creo View Adapter job takes much longer with version CEDM 20.6 than with version 20.5	Modeling 20.8.0.0
15935684	Modeling	When multi-level sub assembly is hidden in CED and imported to Creo, only top nodes showing as hidden.	Modeling 20.8.0.0
15935966	Modeling	Annotation Dimensions attached to stock finish components are not coming (or) showing as "D" when imported to Creo	Modeling 20.8.0.0
16110735	Modeling	A certain valid .sdac assembly export from Creo Elements Direct cannot be retrieved with logfile error: The selected file contains unsupported content which may cause some information to be lost.	Modeling 20.8.0.0
14928416	Modeling Express	Note on last UI of English language installer mentions "German".	Modeling 20.8.0.0
14942160	Modeling Express	Modeling Express does not launch and pops up proxy UI.	Modeling 20.8.0.0
15686801	Modeling Express	English installer shows Note for German language.	Modeling 20.8.0.0
14013838	Mold Design	Lines imprinted with Mold Design are deleted again when geometry is changed	Modeling 20.8.0.0
15639310	Part/Assembly	Function CREATE_PART doesn't work with keyword :owner and value type :assembly in version 20.6.2.0	Modeling 20.8.0.0
15978073	PartLibrary	Unable to active Part Library in CED Modeling 20.8	Modeling 20.8.0.0
15651932	Plot / Print Drafting	PDF plot with the option Searchable Text returns wrong results when the pdf resolution setting has not a special value in Annotation	Modeling 20.8.0.0

15805751	Plot / Print Modeling	PDF plot with the option Searchable Text hangs in Annotation when drawing contains ole objects	Modeling 20.8.0.0
13734719	Sheet Metal	Changing the sheet thickness gives an error message for no apparent reason	Modeling 20.8.0.0
14941993	Sheet Metal	Wrong infotexts at punch contours belonging to Sheetmetal multilevel features	Modeling 20.8.0.0
15998164	Sheet Metal	When user update the drawing of the attached sheet part, overlapping error message should be displayed only once in annotation.	Modeling 20.8.0.0
15998170	Sheet Metal	Detail view, Partial view and Partial to full command are showing the Overlap contour error message.	Modeling 20.8.0.0
15726046	Sheet Metal - Fold/Unfold	Info texts are missing in the unfolded flat in Sheet Advisor in Creo Elements/Direct Modeling	Modeling 20.8.0.0
15738535	Surfacing	Gather faces command in Surfacing module causes crash when using "Copy Colour" option	Modeling 20.8.0.0
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 20.8.0.0
13364747	WGM for Modeling	Creo Elements/Direct Modeling IKIT Help documentation should include the newly implemented function for CED-WGM"	Modeling 20.8.0.0
13473818	WGM for Modeling	Update CEDM Help with new WGM function "sd-uwgm-inq-obj-partially-loaded-p" in IKIT	Modeling 20.8.0.0
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 20.8.0.0
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 20.8.0.0
14331394	WGM for Modeling	When configuration is made active and Change load type is done, the top level Instance gets modified in session.	Modeling 20.8.0.0
14443978	WGM for Modeling	Library data with same SysID is unnecessarily asked for Check Out when Save to WS is done from Annotation	Modeling 20.8.0.0
14445772	WGM for Modeling	Custom Part/Assembly Library always creates Top Level Instance with same File Name "New.sda"	Modeling 20.8.0.0
14468626	WGM for Modeling	Saving a drawing with same File Name with options "Continue" or "Reload" does not work	Modeling 20.8.0.0
14470453	WGM for Modeling	Table range/subrange selection does not work as expected in Creo Elements Direct Modeling	Modeling 20.8.0.0

14519062	WGM for Modeling	Inseparable icon of the parent node is not seen in CEDM session, when data is saved to workspace	Modeling 20.8.0.0
14604634	WGM for Modeling	Even when Assembly is loaded in Full mode, modifications are not allowed, and an error is thrown.	Modeling 20.8.0.0
14606771	WGM for Modeling	Update of top Assembly in Modeling session with Windchill Workgroup Manager is failing	Modeling 20.8.0.0
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 20.8.0.0
14812226	WGM for Modeling	Selective Instance modifications are stored in the Top-Level Assembly Content instead of Top-Level Instance	Modeling 20.8.0.0
14841361	WGM for Modeling	Unable to copy or move a model inside the structure	Modeling 20.8.0.0
14870707	WGM for Modeling	CEDM Drawing Browser in Annotation Module does not show Expand Node & Drawing Name SD_Drawing after performing "Debug>Add CAD Tool Command> Open" for any Drawing Frame.	Modeling 20.8.0.0
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 20.8.0.0
14871778	WGM for Modeling	In Annotation Drawing Browser, newly Open frame overwrites already present opened Frame in Session after doing "Debug>Add CAD Tool Command> Open" It's not getting seen as two multiple sheets.	Modeling 20.8.0.0
14873120	WGM for Modeling	dumpModelForQCR & dumpsession files do not show anything in Display name for CEDM Drawing related files.	Modeling 20.8.0.0
14900677	WGM for Modeling	Save to WS functionality is not working for Invalid character set scenario for Drawing File using simulateAnnotationCommand in AddCADTool Command.	Modeling 20.8.0.0
14904429	WGM for Modeling	No Read Access Scenario: For pseudo partial (For part not available in Workspace)	Modeling 20.8.0.0
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 20.8.0.0
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 20.8.0.0
14963343	WGM for Modeling	Change Load Type & Icon Related Issue for Container in CEDM	Modeling 20.8.0.0

15025633	WGM for Modeling	Export List To CEDM in WGM fails with ERROR Message in CEDM: am_bom_scan3d_wgm/signal/sigsegv	Modeling 20.8.0.0
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 20.8.0.0
15190240	WGM for Modeling	Container is loaded in Full load for recursive reference data with "File>Open from WC" action from CEDM.	Modeling 20.8.0.0
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 20.8.0.0
15290950	WGM for Modeling	Inseparable icon of the parent node is not seen in CEDM session, when data is saved to workspace	Modeling 20.8.0.0
15297063	WGM for Modeling	Reloading of a second A.1 asm results in model being displayed as new	Modeling 20.8.0.0
15297129	WGM for Modeling	CEDM 2060 Structure Browser not getting updated after calling UNDO recorder through executeMacroCommand.	Modeling 20.8.0.0
15375787	WGM for Modeling	When Containers get loaded in Lightweight/ Structure mode, BOM export is not possible due to error message.	Modeling 20.8.0.0
15431052	WGM for Modeling	Icon missing for Assembly & Container when data is loaded from File System to CEDM session.	Modeling 20.8.0.0
15713353	WGM for Modeling	Incorrect load type shown in dumpsession for Parent of Recursive Reference.	Modeling 20.8.0.0
15793373	WGM for Modeling	In CEDM 20.6.2.0 it is not possible to open the context menu (right mouse click) for Clipping Planes or Machining Features in CEDM Structure Browser when WWGM is active	Modeling 20.8.0.0
15932424	WGM for Modeling	Basic Connection not working between WGM & CEDM 20.8	Modeling 20.8.0.0
15989458	WGM for Modeling	oli::sd-uwgm-inq-modified delivers a wrong result when model is moved in an inseparable assembly	Modeling 20.8.0.0

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