

Fixes and Enhancements

Creo Elements/Direct® Modeling 20.9.0.0

Please find below the list of fixes and enhancements - as of May 11th, 2026 - that have been implemented for Creo Elements/Direct Modeling and Creo Elements/Direct 3D Access 20.9.0.0.

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
16208376	2D Access	'What's New' page images are missing in directory in 2D Access and Drafting	Modeling 20.9.0.0
16560423	3D Access	When a 3D model is already loaded in "3D Access" loading a 2D drawing from "Model Manager Standalone" into "3D Access" causes an error in Creo Elements/Direct 3D Access	Modeling 20.9.0.0
16719211	3D Access	The Creo Elements/Direct 3D Access shortcut folder name is incorrect	Modeling 20.9.0.0
16823809	3D Access	Display version number in 'Title' bar of Modeling and 3D Access.	Modeling 20.9.0.0
16823926	3D Access	LISP error is shown while exporting step format.	Modeling 20.9.0.0
16589969	3D Documentation	Entering a value in 't3' text variable shows LISP error after selecting the Primary reference while attaching a weld symbol to a model in 3d Documentation module.	Modeling 20.9.0.0
16590575	3D Documentation	Text variables t8, t9, t10 and t11 does not swap its side on clicking 'Swap side' button on the Welding symbol UI.	Modeling 20.9.0.0
16622125	3D Documentation	Unable to choose some available fonts for 3D Annotation at "Annotation 3D Settings"	Modeling 20.9.0.0
12454840	Advanced Design Simplification	Simplification leads to incorrect results	Modeling 20.9.0.0
15477263	Analysis & Checks	Compatible Creo Parametric version for Creo Parametric Simulation Extension describing in a HECompatible Creo Parametric version for Creo Parametric Simulation Extension describing in a HELP CENTER is not correct in Creo Elements/Direct Modeling 20.7	Modeling 20.9.0.0
16601573	Annotation	An error occurs in the Annotation module when the user enables and disables it a few times.	Modeling 20.9.0.0
16625035	Annotation	Big Circle and Centerline Reappear in Annotation Module in Creo Elements/Direct Modeling	Modeling 20.9.0.0
16921100	Annotation	Entity selection by Line type is not working.	Modeling 20.9.0.0

16963983	Annotation	Selected entity in the drawing is not cleared on exiting the Select UI or hitting the Esc button.	Modeling 20.9.0.0
16968666	Annotation	The 'Color' and 'Line type' checkboxes are not cleared on exit of Select UI. The checkbox states are saved and shown up on opening the UI again.	Modeling 20.9.0.0
17026472	Annotation	Color attribute does not work for Symbols in a drawing when used in Select UI.	Modeling 20.9.0.0
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 20.9.0.0
16593453	Annotation - Geometry	Copy the geometry from the annotation and paste it into a Modeling Workplane in Creo Element Direct 20.7; however, this does not work in Creo Element Direct 20.8.	Modeling 20.9.0.0
16589958	Annotation - Symbol	Text variable 't3' value shifts after user changes the Position value from 'To right' to 'To left' and vice-e-versa.	Modeling 20.9.0.0
16590575	Annotation - Symbol	Text variables t8, t9, t10 and t11 does not swap its side on clicking 'Swap side' button on the Welding symbol UI.	Modeling 20.9.0.0
16752177	Annotation - Symbol	copy symbol in annotation copied incorrect symbol	Modeling 20.9.0.0
15813011	Annotation - Text	The text with Chinese font will be unclear/fuzzy after zooming out the annotation drawing in Creo Elements/Direct Modeling	Modeling 20.9.0.0
15038539	Annotation - View	When creating a new sheet with the option Copy Sheet, some views are scaled and give wrong dimensions	Modeling 20.9.0.0
16865083	Annotation - View	Clicking a view in Annotation takes longer to select it. Process needs to be killed.	Modeling 20.9.0.0
16931726	Annotation - View	CED Annotation crashes when deleting Bolt Circle in Creo Elements/Direct Modeling	Modeling 20.9.0.0
16163739	Annotation - View Update	Using a radial Machining pattern in a Sheet Metal part Annotation returns error Action failed am_view_update/signal/sigsegv in Annotation	Modeling 20.9.0.0
16639482	Annotation - View Update	"LISP error: NIL is not a structure" appears in Annotation when the view properties are call	Modeling 20.9.0.0

		of particle section view in Creo Element/Direct Modeling	
10619639	Base Functionality - Modeling	The view port fails to fill and part of the backgroup gets picked up in the new viewport window.	Modeling 20.9.0.0
15274150	Base Functionality - 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 20.9.0.0
15429703	Base Functionality - Modeling	To provide Logical message to user in case of exceeding the limit on design portal.	Modeling 20.9.0.0
16162922	Base Functionality - Modeling	When loading a "*.pkg" file the error message "Action failed load_package/dsm/no_data" appears	Modeling 20.9.0.0
16208070	Base Functionality - Modeling	Open calculator in Creo Elements/Direct Modeling will cause short key Ctrl+M not to work in other applications like Word, PowerPoint, Outlook etc.	Modeling 20.9.0.0
16322426	Base Functionality - Modeling	2D elements cannot be pasted in Creo Elements/Direct Modeling 20.8	Modeling 20.9.0.0
16391270	Base Functionality - Modeling	Revert fix implemented for SPR 14698350.	Modeling 20.9.0.0
16404983	Base Functionality - Modeling	Modeling crashes on clicking 'Delete>>Yes' button in Toolbars tab of Customize UI.	Modeling 20.9.0.0
16608430	Base Functionality - Modeling	delete functionality not working showing error Action failed delete_3d/signal/sigsegu in Creo element direct	Modeling 20.9.0.0
16674874	Base Functionality - Modeling	When user trying to change the default view mode for file browser after file load using (oli::sd-set-file-browser-default-view-mode:mode), it doesn't update the view mode.	Modeling 20.9.0.0
16828111	Customization - Modeling	Existing Server Driven configuration does not work for CEDM for Jobs after worker reload. Refer Attached video	Modeling 20.9.0.0
17086248	Diagnostic Tooling	Wrong MOR number is shown in XML in Unprocessed folder.	Modeling 20.9.0.0
15565158	FEA	Design Advisor hangs during Performing Analysis and does not finish the job with special computer environment	Modeling 20.9.0.0
16116706	FEA	During Define Job and Precheck in Creo Elements/Direct Modeling FEA, it prompts:	Modeling 20.9.0.0

		"The study cannot be analyzed because one or more of its parts were not assigned a part temperature"	
16568990	FEA	Remove custom install option "TPL Performance Optimization" from the FEA installer for.	Modeling 20.9.0.0
16568990	FEA	Remove custom install option "TPL Performance Optimization" from the FEA installer for.	Modeling 20.9.0.0
16839298	FEA	Error Message Unknown Ribbon Tab: "FEAHOME" appears when starting FEA Module in Creo Elements/Direct Modeling	Modeling 20.9.0.0
17047789	FEA	"sigsegv" occurs when modifying thermal loads in Creo Elements/Direct Modeling	Modeling 20.9.0.0
11898732	Installation - Modeling	It cannot watch the video content of the Quick Start project in Help due to the end of life of Adobe Flash Player	Modeling 20.9.0.0
16216727	Installation - Modeling	The Create/Edit button does not work during the initial installation of the Creo Elements/Direct License Server on Windows 11	Modeling 20.9.0.0
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16225622	Installation - Modeling	The status cannot be checked by the client in Creo Elements/Direct License Server 20.8.	Modeling 20.9.0.0
16523149	Installation - Modeling	FEA help pages to be updated for removal of "setup_parallel.exe" content.	Modeling 20.9.0.0
16822280	Installation - Modeling	Modeling QuickStart page does not load.	Modeling 20.9.0.0
17057617	Installation - Modeling	"protk.dat" file is missing in the install dir. of "setup_creo_parametric_12.exe".	Modeling 20.9.0.0
17057627	Installation - Modeling	"trans_nt.bat" file missing from install dir. of NX adapters NX2406_64, NX2412_64 and NX2506_64.	Modeling 20.9.0.0
13926227	Integration Kit	The Integration Kit function sd-uwgm-inq-obj-partially-loaded-p does not work	Modeling 20.9.0.0
14067573	Integration Kit	IKIT documentation for function "sd-uwgm-inq-obj-partially-loaded-p" is not available for 20.5.0.0 online documentation	Modeling 20.9.0.0
15849588	Integration Kit	sd-inq-configurations does not return all configuration inside in an assembly	Modeling 20.9.0.0

16673159	Integration Kit	The Integration Kit function "sd-set-file-browser-default-view-mode :details" does not work in Creo Elements/Direct Modeling	Modeling 20.9.0.0
15190941	Interfaces 2D	Uncompress.exe is still used for loading bi files.	Modeling 20.9.0.0
13363685	Interfaces 3D	Error message "read_solidedge_cce/signal/sigsegv" occurs when trying to load Solid Edge assembly	Modeling 20.9.0.0
14630383	Interfaces 3D	When loading corrupt files in version 20.4 the error message "337" is missing in Creo Elements/Direct Modeling	Modeling 20.9.0.0
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 20.9.0.0
15690169	Interfaces 3D	When exporting a "*.sdexp" file from "Model Manager" it can't be loaded in version 20.5.3.0 or 20.6.1.0 or 20.7.0.0 in Creo Elements/Direct Modeling	Modeling 20.9.0.0
15818965	Interfaces 3D	Error "Failed to generate a valid STEP file" while saving the *.pkg file as STEP file	Modeling 20.9.0.0
16247255	Interfaces 3D	Loading a SolidWorks native file may result in multiple parts with the same Part Name	Modeling 20.9.0.0
16861764	Interfaces 3D	XVL Converter Ver.23.0 OEM module support.	Modeling 20.9.0.0
16908393	Interfaces 3D	Exporting an assembly to PVZ file takes significantly longer in Creo Elements/Direct Modeling 20.6.4.0 compared to 20.6.1.0	Modeling 20.9.0.0
17057586	Interfaces 3D	Old documentation pdfs in install directory of CAD adapters.	Modeling 20.9.0.0
14418697	Interfaces 3D - Creo	Creo Parametric Simulate workflow does not work when Creo is closed and user updates the model in CED Modeling.	Modeling 20.9.0.0
15470766	Interfaces 3D - Creo	Performing Update Analysis within the Simulation extension with option Start Creo Parametric Simulation Extension, does not open the model in Creo Parametric Simulate Create Analysis opens Creo Simulate as expected	Modeling 20.9.0.0
16129712	Interfaces 3D - Creo	After importing specific .sdac file to Creo Parametric, imported assembly does not show any geometry in model tree and graphics area	Modeling 20.9.0.0

15801852	Interfaces 3D - STEP	Info about import STEP with Granite option: Keep Bspline Degree, Simplified Surfaces, Trim and Close Boundary are missing from Creo Elements/Direct Modeling Help Centre	Modeling 20.9.0.0
15619055	Licensing - Modeling	Client user id details are not shown in the server status of Creo Elements/Direct license server in some scenarios even though the clients are getting licenses.	Modeling 20.9.0.0
16288357	Licensing - Modeling	Creo Elements/Direct license files generated with the wrong line feed cannot be read by the license server.	Modeling 20.9.0.0
16334632	Licensing - Modeling	When using the new License Server 20.8 the Status Webpage cannot be accessed anymore from a remote client	Modeling 20.9.0.0
16568281	Licensing - Modeling	Append the warning message for SCN or Customer Number in a more logical way.	Modeling 20.9.0.0
16568281	Licensing - Modeling	Append the warning message for SCN or Customer Number in a more logical way.	Modeling 20.9.0.0
17032570	Licensing - Modeling	MEIs summary page shows incorrect version number - 20.9.1.0	Modeling 20.9.0.0
10082358	Measure	Creo Elements/Direct Modeling crashes when using Microsoft Teams	Modeling 20.9.0.0
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 20.9.0.0
16255638	Modeling	CEDM_MM- Unable to connect Modeling to Mode Manager, getnrunmm.exe is not available in Modeling installation directory.	Modeling 20.9.0.0
16257477	Modeling	Component name does not correspond to the Modeling name in Creo View according to which it is visualized by worker	Modeling 20.9.0.0
16341786	Modeling	Provide visible model ids information for each view during CED 3D model import to Creo.	Modeling 20.9.0.0
16347043	Modeling	Opening specific (migrated) Creo Elements/Direct Modeling assemblies in Creo Parametric showing no geometry in Creo Parametric session	Modeling 20.9.0.0
16405189	Modeling	Viz is missing Container when published via Positioning Assembly	Modeling 20.9.0.0

16412400	Modeling	PMI should not be created when "Annotations" check button is unchecked in Creo Elements Direct import profile	Modeling 20.9.0.0
16582328	Modeling	When a user activates Annotation first and then 3D PDF, the Annotation "Save" window incorrectly shows 3D PDF in the file type list.	Modeling 20.9.0.0
16615382	Modeling	In CED when one of the annotations having "Part" as additional reference, none of the annotations are transferred.	Modeling 20.9.0.0
16803838	Modeling	When the shared assembly is directly placed on top node, after importing to Creo, Text is not transferred to correct location. Some of the Notes are also missing when activated combined state DP_SET1_Front1 (when opened sub assembly)	Modeling 20.9.0.0
16805760	Modeling	CED Tim model saved after moving and re orienting annotations (Text/Notes). After ATB update in Creo 13, all annotations are scattered to unexpected locations	Modeling 20.9.0.0
16825692	Modeling	Any CED 20.9 data should be able to load in Creo after CEDIRECT exchange.	Modeling 20.9.0.0
16826973	Modeling	Crash when imported CED file with stock component (Regression in Creo 13)	Modeling 20.9.0.0
16834266	Modeling	Uploading and later deleting Configuration files causes CEDM worker hang issue with a pop error/	Modeling 20.9.0.0
16864696	Modeling	GPI API Name Get/SetActiveCombinedStateId needs to be changed to Get/SetActiveCombinedStateId	Modeling 20.9.0.0
16936093	Modeling	Links icons are not matching with English on Home page of CED Help	Modeling 20.9.0.0
16218257	Modeling Express	Old Office address is shown in Help>>About UI.	Modeling 20.9.0.0
17032307	Parametrics - Relations	Structure browser icons are not displayed correctly after activating the 'Adv assembly' and 'Parametrics' modules.	Modeling 20.9.0.0
17069531	Parametrics - Relations	Structure browser icons and relation browser icons are displayed as boxes after activating the 'Adv assembly' and 'Parametrics' modules.	Modeling 20.9.0.0
14885003	Part/Assembly	Mirroring parts with stock/finish relationship returns an error message mirror_3d/dsm/read_only" when finish part is read only	Modeling 20.9.0.0

16729823	PartLibrary	Help Botton from the menu of some SolidPower commands does not work in Creo Elements/Direct Modeling 20.8	Modeling 20.9.0.0
16755820	Sheet Metal	Creating a sheet metal lip can lead to multiple issues, causing the lip to fail in sheet metal in Creo Element/direct modeling	Modeling 20.9.0.0
16770840	Sheet Metal	Non-Sheet Metal part incorrectly receives Sheet Metal material after Imprint Intersection operation in Creo Elements/Direct Modeling	Modeling 20.9.0.0
16879232	Sheet Metal	LISP error during adding lip to a Sheetmetal part.	Modeling 20.9.0.0
12119848	Sheet Metal - Fold/Unfold	"SHA_UNFOLD" leads to open and wrong contours	Modeling 20.9.0.0
15826650	Sheet Metal - Fold/Unfold	Flat view of a sheet metal part is not correct	Modeling 20.9.0.0
16929671	Sheet Metal - Fold/Unfold	Unfold misses infotexts on custom feature outer border in Creo Elements/Direct Modeling	Modeling 20.9.0.0
16310455	User Interface - Modeling	Value only changes when pressing Enter after entering new value in the menu Part Properties - Material	Modeling 20.9.0.0
16823809	User Interface - Modeling	Display version number in 'Title' bar of Modeling and 3D Access.	Modeling 20.9.0.0
17107955	User Interface - Modeling	Diagnostic data collection - setup warning message is truncated for High DPI setup.	Modeling 20.9.0.0
16191557	WGM for Modeling	Save to workspace fails after selecting Reload to the SYSID Conflict data when WNC preference Manage Top Level Instances=None & Update Top Level Instances=Iterate	Modeling 20.9.0.0
16192909	WGM for Modeling	Doing Save to Workspace from Annotation and selecting "Reload" for SYSID conflict does not Reload data in Modeling session.	Modeling 20.9.0.0
16200297	WGM for Modeling	Assemblies with the same file name have different contents SysID after separating a previously inseparable assembly	Modeling 20.9.0.0
16352733	WGM for Modeling	Container gets loaded in full mode even if "Load Containers" option is untick.	Modeling 20.9.0.0
16392137	WGM for Modeling	Warning shown when LISP function "(sd-uwgm-set-back-version-as-default-file-version 1)" is activated should be always shown in Console instead of a Pop Up Error.	Modeling 20.9.0.0

16405567	WGM for Modeling	After doing RMB>Update CEDM is crashing.	Modeling 20.9.0.0
16582204	WGM for Modeling	A crash in CEDM is observed during a specific use case involving the reloading of data containing recursive references.	Modeling 20.9.0.0
16587274	WGM for Modeling	Incorrect load type is shown in Dump Session after performing RMB > Update on data from an older iteration, where the newer iteration contains recursive references.	Modeling 20.9.0.0
16719559	WGM for Modeling	A Creo Elements/ Direct Modeling Annotation drawing in session loses connection to its CAD Document in Workspace, if the user (by mistake) clicks "New Drawing" and then "Cancel"	Modeling 20.9.0.0
16731785	WGM for Modeling	Include new LISP functions created for WGM in the CEDM Toolkit documentation	Modeling 20.9.0.0
16746272	WGM for Modeling	Modified flag of drawing gets removed after clicking on Cancel in annotation warning dialog of opening a drawing from workspace.	Modeling 20.9.0.0
17036232	WGM for Modeling	Connected mode specific : Shared data getting loaded as Multi-version data when loaded from File System to CEDM session. Works fine in standalone mode.	Modeling 20.9.0.0

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