



Patch Release Notes

T7.1 Release

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Release 7.1	07/2019	Full distribution of T7.1
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PATCH INFORMATION

Patch 7.1.01	20/08/19	T7.101 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3100	EarthGrid	Fix: Property modelling attribute model list not updating on calculation tab on attribute selection.
3102	FaultED	Fix: Default FaultED styles referring to non-existent display methods
3110	Surface	Fix: Volume Editor crash when generating fracture network attributes
3111	DB-Explorer	Fix: FaultED attribute export entries missing from Database Explorer menu
3112	FaultED	Fix: Add FaultED-Scenario options to out-date ED elements & model run data
3113	Volume Editor	Fix: Messages dialog button layout incorrect
3114	T7 System	Fix: Incorrect FlexLM binaries distributed for Windows MKS

Patch 7.1.02	04/10/19	T7.102 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3115	EarthGrid	Fix: Corner Point Grid: layer to well pick snapping can cause serious distortions in the grid
3116	T7-System	Fix: Backup/restore errors are not output on Windows MKS
3117	EarthGrid	Fix: Property Modelling QC: infrequent issue with upscaling QC plots in property modelling toolkit
3118	DB-Explorer	Fix: Stress Scenario UI flips back to BHST selection tab when changing plot component in graphics tab
3121	Surface	Fix: Gauss curvature display method references invalid attribute
3122	DB-Explorer	Fix: BHST-Editor fails to see newly created BHST object when BHST created from STSC editor on Windows MKS
3123	T7 System	Add additional tri-mesh Z extraction in HRZUTIL to obtain 2nd intersect for reverse structure
3124	Seismic	Fix: Crash whilst using planar probes
3126	EarthGrid	Fix: Borehole Stress Editor: error in depth axis labelling when "TVDSS" is principal label

Patch 7.1.03	11/11/19	T7.103 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
ID No.	MODULE:	DESCRIPTION
2841	T7-System	Fix: Occasional flicker during repaint with advanced graphics enabled on Windows MKS
3119-E	Petrel Link	Support export of surface display methods to Petrel
3121	Surface	Fix: Gauss curvature display method references invalid attribute
3129	T7-System	Fix: DB upgrade of T7.0x stress fields to T7.1 stress scenarios incorrectly converts SHmax azimuth
3130	Volume Editor	Add object double-click option to shortcut system
3131	Surface	Fix: Horizon gridding: the kriging option fails to produce gridded surfaces.
3132	T7-System	Fix: T7 transfer tools & Borehole Stress Editor not shown correctly in Process Manager
3133	DB-Explorer	Fix: Attribute texture maps fail to show creation date
3134	T7-System	Show graphics information in help about
3135-E	T7-System	Automatic use of NVIDIA card on switchable graphics
3136	3D-Stress	Fix: Borehole Stress Editor: crash when changing well (when no well picks)
3137	3D-Stress	Fix: Borehole Stress Editor: crash when displaying well-log-data (when no well picks)
3138	3D-Stress	Fix: Borehole Stress Editor: copy well log data can result in NULL value at last point
3139-E	T7-System	Better crash reporting
3140-E	T7-System	Badley website, Twitter & Youtube links available on Help menu

Patch 7.1.04	02/12/19	T7.104 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
ID No.	MODULE:	DESCRIPTION
3119-E	Petrel Link	Support export of surface display methods to Petrel
3135-E	T7-System	Automatic use of NVIDIA card on switchable graphics
3141	Petrel Link	Fix: Filtering display method selections can display spurious errors
3142	Petrel Link	Fix: T7 to T7 transfer of surface trimesh can fail with an error
3143	DB-Explorer	Fix: Text in tree can disappear after viewing a Stress Scenario

3144	T2D-Converter	Fix: T-2-D converter does not list linked seismic volumes
3145	BGL Vol Manager	Fix: No prevention to rename/move a linked volume - which breaks the link!
3146-E	ASCII I/O	Add option to disable point-set creation in ASCII (GoCad) Tsurf Import
3147	3D-Stress	Fix: BHS: display issue when deleting one of many attributes for a given well and attribute definition.
3149-E	3D-Stress	BHS: Add mechanical stratigraphy calc method to borehole stress editor
3151	EarthGrid	Fix: Property Modelling: layer-based modelling using vertical wells can cause artefacts.
3152	T7-System	Added system validation checks to T7 importers and exporters

Patch 7.1.05	19/02/20	T7.105 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3153	EarthGrid	Fix: Seismic extraction tool: ineffectual settings (both sampling and statistical modes).
3154	DB-Explorer	Fix: TXMP editor window fails to show graph for CPG attributes
3155	EarthGrid	Fix: Creation of horizon data from CPG layers not functioning correctly for top of last layer
3156	ECLIPSE I/O	Fix: Improve ECLIPSE Export for use with PETREL
3158	T7-System	Fix: "Illegal variable name" warning on T7 MKS startup
3159	Surface	Fix: Picking arb-lines or shapes using pseudo-well symbols can result in erroneous vertices
3160	Seismic	Fix: Loading a section with "Unload last" rule enabled can cause a crash
3161	Volume Editor	Fix: rare crash when interacting with viewers
3163	T7-System	Fix: "ipcs: Command not found" warning on Windows MKS
3164	Volume Editor	Fix: Volume Editor viewer colour bars do not update to selection if not visible
3165	Seismic	Fix: rare crash opening Data Manager with multiple viewers
3167	DB-Explorer	Fix: DB-Explorer object activation/deactivation does not propagate to other DB-Explorer windows
3168	Surface	Fix: Volume Editor: standard well log viewer colour bar does not display
3169	Petrel Link	Fix: Scenario support when exporting fault-surface display methods to Petrel
3170	Surface	Fix: Volume Editor: horizon Z data tree item missing when "Solid fill" style set

Patch 7.1.06	21/04/20	T7.106 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
ID No.	MODULE:	DESCRIPTION
3110	Surface	Fix: Volume Editor crash when generating fracture network attributes
3171	T7-System	Fix: Added Windows OS information to crashreport log
3172	DB-Explorer	Fix: Crash when viewing horizon cross-ref with >99 entries
3173	Surface	Fix: Occasional crash during displacement backstripping with branchlines
3174	Volume Editor	Fix: Crash when using Stress Scenario with fracture networks
3175	Well Editor	Fix: Copy and paste between tracks becomes unpredictable after several clipboard operations.
3176	T7-System	Fix: Allow FAP_LICENSE_FILE to be specified as a system environment variable
3179	Petrel Link	Fix: Cellular attribute alias not set correctly
3180	Petrel Link	Fix: BGL volumes now created in little-endian format for improved performance
3181	ECLIPSE I/O	Fix: J-Flip option not applied to exported transmissibility data
3182	Triangle	Fix: Display pick name for unassigned horizon picks
3183	Petrel Link	Fix: Allow cellular model transfer in TIME projects
3184	T7-System	Fix: Open source MSYS Unix emulation can conflict with T7 MKS
3185	BGL Vol Manager	Fix: Allow rename of linked seismic volumes

Patch 7.1.10	02/06/20	T7.110 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
ID No.	MODULE:	DESCRIPTION
	T7-System	In addition to the specific items below and numerous general improvements, this patch introduces several major new enhancements. Users should refer to the 7.110 New Features PDF in "<T7_HOME>/docs/updates/7.110" for details.
3177	Petrel Link	Fix: User defined attributes omitted from cellular model attribute list
3186-E	APPL	Add "Add to list" option in CDAXList
3187-E	T2D-Converter	Extend TD converter to include task-based attributes in target project
3188	CDA	Fix: DB-Explorer Crash when viewing a log curve & editing same log curve in Well-Editor
3189	Volume Editor	Fix: Crash with time-slice loaded when survey deactivated in DB-Explorer.

3190	CDA	Fix: Offset utility not applying offset to CPG pillars
3191	GeoServer	Fix: Crash when computing stress attributes on selected faults/horizons

Patch 7.1.11	16/07/20	T7.111 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3192	Volume Editor	Fix: Closing an external viewer whilst Volume Editor is initializing can cause a crash
3193	Patch System	Fix: Windows MKS patcher now checks to ensure T7 not running prior to patching
3194-E	Slicer	Add interpolation method to allow slicer to operate with discrete seismic volumes
3196	T7-System	Fix: An application crash can leave a locked file preventing relaunch
3197	Seismic	Fix: Increased refresh speed for load volume representation in vlerwer
3198	Seismic	Fix: Switching probes in Probe Controller does not update volume render comboboxes
3199	DB-Explorer	Fix: Error shown when attempting to create a list in Database Explorer
3200	Surface	Fix: Function to set style z-range sets the z-range text values but these are not applied
3201-E	DB-Explorer	New option to select tree items according to content of existing list
3202	Surface	Fix: Attempting to unload a volume that is currently loading can cause a hang
3203-E	BGL Vol Manager	Improve Seismic Access creation option in BGL Volume Manager
3204	IDB	Fix: Polygon-set & polyline-set shapes not updated when project offsets are changed
3205	APPL	Fix: APPL Object-List find tool fails to notify application when selecting all matching items
3206	Triangle	Fix: Triangle Direct "Add Project Path" option fails if no paths defined
3207-E	Project Manager	Project directory permissions added to output from Project Manager Info command
3208-E	APPL	UI improvements to Stress Scenario Editor
3209	GeoServer	Fix: Occasional crash when modelling reverse fault structures
3210	Volume Editor	Fix: Improved selection system fails to select all objects during box select

Patch 7.1.12	14/08/20	T7.112 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
ID No.	MODULE:	DESCRIPTION
3211-E	GeoServer	Add new attribute for Fault & Horizon to represent time/depth converted Z
3212-E	T7-System	Z unit domain no longer represented in UI - now defers to TWT or DEPTH domain
3215	Volume Editor	Fix: Context menu can be obscured by Windows taskbar
3216	T7 System	Fix: T7->T7 cellular model transfer always creates standard attributes
3217	Surface	Fix: Generating fault attributes can cause occasional crash
3218	Volume Editor	Fix: Crash when starting Volume Editor with a velocity volume specified in Project Parameters
3219	BGL Vol Manager	Fix: 2D header editor toggle-button malfunctioning for Z-interval setting

Patch 7.1.13	30/09/20	T7.113 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
ID No.	MODULE:	DESCRIPTION
3220-E	APPL	Multi-edit support for fault, horizon and well specific settings
3221	Surface	Fix: Crash when creating fault list from fault segments
3222	FACIT Module	Fix: Exported throw data in a time project (using a conversion velocity) is always in metres.
3223	Project Manager	Fix: Allow project restoration to continue after errors
3224	Petrel Link	Fix: Volumes imported from Petrel may fail to load in Volume Editor
3225	Surface	Fix: Crash when assigning master/splay faults with very long names
3226	Database Explorer	Fix: Database Explorer crash when selecting in tree after making a list-based selection of multiple items
3227	T2D-Converter	Fix: Improve Z-domain conversion of CPGs
3228	Petrel Link	Fix: Missing culture Z data no longer aborts import
3229	Surface	Fix: Set-style Z-range double-converts units when display units not in m or ms
3230-E	BaseMap	Add List Creation for Surveys from BaseMap line selection
3232	Project Manager	Fix: Restoring project session can occasionally timeout
3233	ECLIPSE I/O	Fix: ECLIPSE import crash when importing multiple single layer models
3234	FaultED	Fix: Horizon observation surfaces incorrectly masked when controlled by a grid definition

3236	FaultED	Fix: Triangular elements display reversed polarity for displacement when calculated by the DDM
3237	FaultED	Fix: Rectangular element displacements incorrectly calculated when element plane set to "baseplane"
3238	T7-System	Fix: Dropdown list items cannot be selected if they overlay the system taskbar

Patch 7.1.14	12/10/20	T7.114 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

ID No.	MODULE:	DESCRIPTION
2940-E	T7-System	Improved math performance on Windows MKS
3241	FaultED	Fix: Triangular element strain calculation incorrect in 7.113
3239	FaultED	Fix: Selecting vector field objects can cause a crash.

Patch 7.1.15	02/12/20	T7.115 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

ID No.	MODULE:	DESCRIPTION
3239	BOGL	Fix: Selecting vector field objects can cause a crash
3242	EarthGrid	Fix: CPG creation with pillar faults can sometimes create bad geometry at branch-lines
3243	XPhoto	Fix: Windows Xphoto capture works incorrectly when scaling enabled
3244	XPhoto	Fix: XPhoto prompts to overwrite existing file when capturing to clipboard only
3245	T7-System	Fix: T7 fails to start with an error regarding missing DLL "vwmuapi64.dll"
3246	LAS-Import	Fix: Forward compatible with LAS versions greater than 2.0
3248	Volume Editor	Fix: Tree checkboxes can be set incorrectly when loading/unloading objects
3249	APPL	Fix: A T7 crash can occasionally cause duplicate error dialogs
3250	3D Stress	Fix: Crash in Borehole Stress Editor on Windows when well paths have > 64k points

Patch 7.1.16	17/02/21	T7.116 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3252	Triangle	Fix: Triangle plot colors may not exactly match picked values
3253	EarthGrid	Fix: CPG layer editing preview object is not always drawn in a consistent way.
3255	EarthGrid	Fix: CPG layer arrowbox snaps to one value less than the last input number
3256	Petrel Link	Fix: Occasional crash when exporting over network
3257	T7-System	Fix: Permissions errors shown when opening T7 terminal
3258	Petrel Link	Fix: Duplicate seismic access definitions created during import
3259	Surface	Fix: Crash during horizon surface sync with very large horizon grids

Patch 7.1.17	12/04/21	T7.117 Patch release (Linux/Windows)
Bug Fixes/Enhancements		
<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3221	Surface	Fix: Crash when creating fault list from fault segments
3260	Surface	Fix: Crash when hiding non-discrete fracture network
3261	ASCII I/O	Fix: 3D ASCII nav import crash when using multiple input files
3262	Seismic	Fix: Opening a session can occasionally result in a duplicate shared memory volume
3263	SEG-Y Loader	Fix: SEG-Y loader treats a zero CoordScalar as an error as opposed to "no-scaling"
3264	FaultED	Fix: Unable to pick first element in a FaultED vector attribute
3266	Surface	Fix: Time/Depth colour coding for horizon raw data used wrong colourmap
3267-E	Surface	Add: New MB3-popup-menu polygon methods to delete entire FW or HW
3269	BOGL	Fix: Quad mesh wireframe style draws quads as two triangles
3270	EarthGrid	Fix: Crash when creating CPG when horizon names contain invalid characters
3271	EarthGrid	Fix: CPG creation fails to create fault traces at max-I and/or max-J
3272	Petrel Link	Fix: Importing a survey with mismatching Z domain fails to create grid navigation
3273	IDB	Fix: logic error in the handling of cell-fault-traces during the Cell-Fault join process

3274-E	EarthGrid	Add: New process for assigning cell fault traces to a new cell fault
3275	Petrel Link	Fix: Importing shape points from Petrel containing NaNs fails

Patch 7.1.18	26/05/21	T7.118 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3276	ASCII I/O	Fix: ASCII point-set import can set random time-stamp value.
3277	EarthGrid	Fix: Layer snapping tool brings up the snapping report even when the option is off.
3278	T7-System	Fix: Rare crash when using file chooser.
3279	Petrel Link	Fix: Potential crash when importing well attribute containing a user defined attribute.
3280-E	DB-Explorer	Add: Horizon data volume cut/paste now supported between different surveys.
3281	EarthGrid	Fix: Layer to well pick snapping sometimes introduces holes into a CPG model.
3283	Petrel Link	Fix: Importing shape data from Petrel with a single point segment fails.
3284-E	T7-System	Add: Additional X Server diagnostics when T7 fails to launch on Windows.
3285	Seismic	Fix: Seismic fails to load with very long volume names.
3286	EarthGrid	Fix: CPG well-pick snapping tool with "general" setting sometimes creates steps.
3287-E	Project Manager	Add: Add 'Explore' button to open project/backup folder in system file browser.
3288	DB-Explorer	Fix: Missing colour buttons in the Lithology Database Explorer view.
3289-E	Volume Editor	Add: Session Manager now maintains separate last opened and last saved dates.

Patch 7.1.19	30/09/21	T7.119 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3290	APPL	Fix: List creation dialog does not select correct parent for non-toplevel list
3291	Seismic	Fix: Shader warnings output when using correlation panels
3292	DB-Explorer	Add: spatial copy/paste for horizon texturemap data.
3293	Seismic	Fix: Relaxed Z range restrictions for interpretation-mode surveys

3294	DB-Explorer	Fix: The existence of a 3D Stress Scenario can cause DB strip failure
3295	Seismic	Fix: Feature tracking fails on left-handed grid time-slices
3296	ASCII-IO	Fix: ASCII tri-mesh import crash introduced in 7.118 (fix 3276)
3297	3DStress	Fix: 3DStress attribute computations incorrect in TIME domain when using borehole stress data
3299	T7-System	Fix: T7 Windows fails to start due to X/Server startup failure

Patch 7.1.20	01/11/21	T7.120 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3300	Petrel Link	Fix: Failure to import shape can terminate entire import
3301	TT-TransGen	Fix: vsh cut-off value not implemented correctly for CPG-Scenarios using CFR mode
3303	Surface	Fix: Generating fracture network attributes can cause a crash
3304	ECLIPSE I/O	Fix: crash occurs exporting transmissibility data for CFR-mode scenarios

Patch 7.1.21	14/01/22	T7.121 Patch release (Linux/Windows)
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Bug Fixes/Enhancements

<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3305	DBTREE	Fix: Disallow ability to delete unassigned horizon/fault
3307	APPL	Fix: Stratigraphic sequence always appears on creating new horizon
3308	Volume Editor	Fix: Potential lag when initiating pan/zoom/rotate
3309	Seismic	Fix: Rare crash when using box probes
3311	3DStress	Fix: Crash when adding a borehole stress with long name to a stress scenario

Patch 7.1.22	21/03/22	T7.122 Patch release (Linux/Windows)
<i>Bug Fixes/Enhancements</i>		
<i>ID No.</i>	<i>MODULE:</i>	<i>DESCRIPTION</i>
3312	Petrel Link	Fix: Throw-based display methods transferred to Petrel show incorrect values
3313	TrapTester	Fix: Spurious 'applogs' directory warnings when starting T7 Triangle-Direct
3314	Seismic	Fix: Viewer-based object selection can fail after creating second correlation panel
3315	DBTREE	Fix: Creating a horizon cross-ref table without specifying a parent cellular model can cause a crash
3316	APPL	Fix: Displaying polygon object dialog can cause a crash for polygon with very large number of points