

DTS 4.2

Release Notes



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Overview



Datamine Task Scheduler (DTS) is a Gantt chart scheduler specifically designed for underground and open pit scheduling that is suitable for operational short-term and long-term planning.

Note: Datamine Task Scheduler release notes are cumulative for each major version, in reverse chronological order.

Further Information

This document includes cumulative release notes for DTS 4.2.

Release notes for other versions of Datamine Task Scheduler are available via the Support Portal <https://www.dataminesoftware.com/support/>.

DTS 4.2 Release Notes

Product Compatibility

DTS 4.2.110 and later can be used to create and fine-tune schedules based on output from the following or later versions of these products:

- **Studio OP 4.2**
- **Studio UG 4.2**

Important: You cannot connect these Studio product versions to the predecessor EPS application, now discontinued, or older DTS versions.

Converting EPS Projects

You can open legacy EPS projects in DTS.

You don't want to have to open each legacy EPS schedule in DTS just to convert it to the new format. This can also be achieved using a handy utility that lets you perform this conversion on either a single or multiple EPS projects.

There are two ways to do this:

- **Command Line**

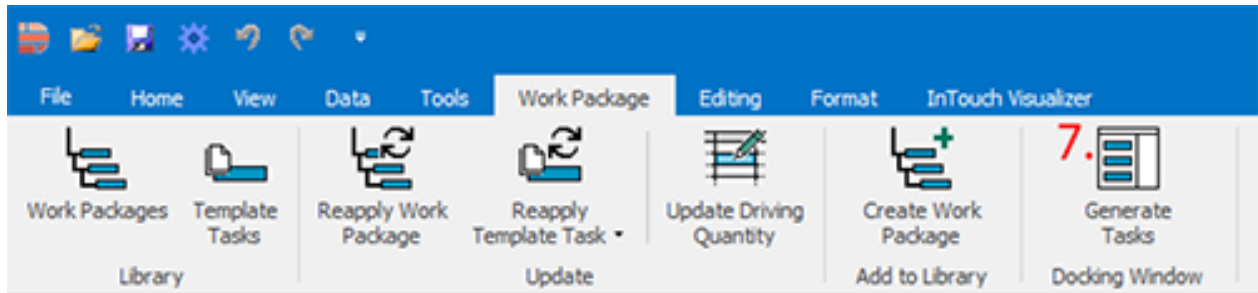
1. Start eps with the argument: `/convertfolder:@yourFolderPath`
2. Replace `@yourFolderPath` with the folder that contains the EPS files. This will also then create another folder named converted within `@yourFolderPath` containing newly generated DTS files.

- **Macro**

- Run the macro 'ConvertToDts', this will bring up a folder dialog requesting the folder which contains the EPS schedules that need to be converted to DTS.

Version Highlights

Work Packages Overhaul



To make management of work packages easier and allow this part of the application to grow more easily, a new **Work Package** ribbon has been introduced, containing the previous Work Package and Template Tasks items previously available on the **Tools** ribbon. This facility supersedes and replaces the previous "short-term items" functionality, now retired.

New tools let you:

- Refresh existing work packages in case any definition was changed.
- System fields to inform you where tasks originated (either from a template task or work package).
- Automatically trigger work package refreshes where design changes are performed in Studio.
- Undo previous work package creation.

These tools let you quickly identify and collate tasks involving multiple elements, such as Drill, Blast and Haul and manage them more conveniently using template tasks and simple, dynamic schedule refresh options without having to remove previous work package items and regenerate them.

Template and Work Package tasks also appear in a handy dockable **Generate Tasks** side bar so it's always clear what configurations are available. You can then drag and drop items directly into the chart to display the **Insert Template Task** screen, simplifying work package task updates. You can also use the **Create Work Package** command to automatically generate a work package based on selected tasks - easy!

Project Settings Overhaul

We've simplified the current approach to managing project fields by making each category of field clearer. This not only helps you find the information you need more quickly but also lets us develop field-specific functionality in the future.

"Code" and "Text" fields are now displayed in different tree entries in Project Settings, making it easier to manage

- Text fields continue to be only for alphanumeric values.
- Code fields can be numeric or alphanumeric.

This keeps the distinction between field types clear moving forward.

Note: We've also provided a useful macro to convert existing text fields to other types.

Derived Task Visibility

Tasks now expose two origin fields – **Generated From Work Package** and **Generated From Template Task** – which can be displayed and used for grouping. This allows users to easily identify and manage related or derived tasks.

All Changes

Enhancements

- **DTS-434** We have improved the Undo/Redo behaviour for work package-related operations.
- **DTS-420** A **Create Work Package** button has been added to the **Work Package** ribbon to automatically generate a work package based on the current selection of tasks.
- **DTS-400** A macro has been provided to convert fields from one type to another.
- **DTS-383, DTS-411** A new **Work Package** ribbon has been added to segregate work package and template tasks.
- **DTS-417** Tasks area items now show a special icon if the task is comprised of work package items.
- **DTS-375** The **General** Task Information screen now shows an Originator field describing the source of the task data (DTS, UG or OP).
- **DTS-373** You can now access the **Auto-assign Resources** tool from the **Home** and **Editing** ribbons.
- **DTS-371** Tasks now expose two origin fields for sorting and grouping.
- **DTS-370** The crosstab/histogram view now displays a **Capacity** field, representing the total resource capacity.
- We have added a **Reapply Work Package** function so you can quickly refresh existing Work Package tasks with updated definitions, without deleting or regenerating them.
- **DTS-345** The global (de)selection buttons at the top of the **Reapply Layer Defaults** screen have been converted to a header cell checkbox.
- **DTS-307** Online help has been added for **EPSolver**.
- **DTS-284** "Always roll up subtasks onto summary rows" and "Roll up from lowest level" options have been promoted to the **Editing** ribbon.
- **DTS-261** We have added a macro that exports selected split and full tasks for a chosen date range from DTS into the required Excel report format for DPM.
- **DTS-212** Legacy "short-term items" functionality has been removed, now superseded by work package tools.

- **DTS-131** We have improved the dashboard bar width controls so each click adjusts column widths by a more useful proportional amount.
- **DTS-37** Project settings now contains distinct "Code Fields" and "Text Fields" screens.

Other Changes

- **Multiple Cases** Changes have been made to protect the DTS system against deletion of data where other views or reports may be dependent on that data.
- **DTS-414** References to legacy legal entities have been removed from DTS help files.
- **DTS-412** Improved template task linking in the Work Package form so selecting a task in the diagram or grid now highlights the corresponding task in both views.
- **DTS-404** The Task Information: Categories screen now has context-sensitive help.
- **DTS-374** The ID field on the Task Information screen now displays long content more clearly.
- **DTS-372** Creating work packages with option 4 now always "keeps replaced tasks as summary".
- **DTS-325** Numeric code values can be used in a function without having to be converted from text to numeric.
- **DTS-295** The Timescale can no longer be set to a value < 1.
- **DTS-21** The "Weighted By" drop down for production fields in Project Settings now displays options in alphabetical order.

Defect Fixes

- **DTS-465** Fixed an EXF save and reload issue where numeric code fields could be restored incorrectly, preventing code values such as COLOUR from being corrupted after reopening schedules.
- **DTS-454** Fixed a save-process issue where temporary DTS project files could be created and the original project file could become invalid. Saving now preserves project integrity during DTS/UG synchronization workflows.
- **DTS-433** We have resolved an overflow issue that caused schedules created from converted EPS templates to fail unexpectedly when loading in DTS.

- **DTS-416** Downtime codes can now be selected as expected when specifying downtime periods in scheduling calendars.
- **DTS-397** Summary Fields are now usable in the Crosstab options Resource Details screen.
- **DTS-395** Production Fields are now usable in the Crosstab options Resource Details screen.
- **DTS-392** A check for errors is now made when closing Project Settings with the "X" button.
- **DTS-363** The system no longer halts unexpectedly when trying to apply node and destination configurations in a shared project.
- **DTS-350** An issue that could potentially cause loss of data when undoing actions has been resolved.
- **DTS-349** You can now delete targets in the leveling menu as expected.
- **DTS-343** Incorrectly swapped labels on the Report Calendar (Daily) screen have been corrected.
- **DTS-341** Tasks with Level Task = No and a level constraint date are now excluded from re-levelling when "Do not remove leveling delays (if they exist)" is enabled, preventing unwanted resequencing of earlier years.
- **DTS-308** The Template Tasks, Auto-Assign Group Dependencies and Unprotect Data screens now display context-sensitive help as expected.
- **DTS-258** A project-specific issue preventing the completion of levelling has been resolved.

DTS 4.2 Release Notes

Data Load Speedups

This version features optimized loading of binary .dtss and text-based .dtsx files, ensuring they load more quickly than previous version.

Product Compatibility

DTS can be used to create and fine-tune schedules based on output from the following or later versions of these products:

- **Studio OP 4.1**
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- **Macro**

- Run the macro 'ConvertToDts', this will bring up a folder dialog requesting the folder which contains the EPS schedules that need to be converted to DTS.

Enhancements

- **DTS-321** Post-leveling calculations are now more rapid.
- **DTS-304** It is now possible to create Report Calendars and Timescales using macros.
- **DTS-292** DTS now displays warnings when a .dtss file loads with an invalid outline structure.
- **DTS-267** The Value() formula function now handles locale-specific numeric delimiters.
- **DTS-231** Additional logging has been added to help troubleshoot DTSolver loading failures.
- **DTS-26** DTS can now load .dtsx text files more quickly.
- **DTS-25** DTS can now load .dtss files more quickly.
- **DTS-9** A new internal system field - *Originator* - now exists to declare the product from which activity data originated.

Other Changes

- **Multiple Cases** DTS can now be displayed in Russian language.
- **DTS-104** You can now view installed component version information via the Help >> About screen.
- **DTS-39** Pressing Enter while using the Find option for production fields no longer closes the Project Settings window.

Defect Fixes

- **DTS-303** An issue causing the Field Total column in the Crosstab to become unresponsive has been resolved.
- **DTS-294** An issue causing the system to fail when using the COPY DATA tool has been resolved.
- **DTS-287** DTS Viewer is now named correctly in the title bar.
- **DTS-277** An issue preventing the display of DTS schedules in DTS Viewer has been resolved.

- **DTS-276** An issue causing a slow response after levelling reaches 100% progress has been resolved.
- **DTS-268** Running a macro with a null reference in the catch() block no longer causes system failure.
- **DTS-266** The "Lock" option on look up tables has been reinstated.
- **DTS-265** An issue that could cause system failure, when saving production cycles with resources assignments, has been resolved.
- **DTS-254** An issue causing system failure, when trying to add a "field that uses a formula" on work-packages, has been resolved.
- **DTS-253** An issue preventing resource column data from being manually edited as expected has been resolved.
- **DTS-233** An issue causing value updates from UG to fail in some cases has been resolved.
- **DTS-230** If the Duration of the single Fixed Rate task cannot be calculated, an error is now always displayed.
- **DTS-139** You can now delete an empty macro as expected.
- **DTS-132** Dashboard bar width adjustment controls are now only enabled if a bar chart is selected.
- **DTS-128** If you update the width of the current column via the Task Table editor the width in the Format ribbon is now updated as expected.
- **DTS-126** You can now drag a DTSM macro from Windows Explorer onto either the System or Schedule macros controls
- **DTS-118** If invalid EPSolver values are entered, Cancel now works as expected.
- **DTS-43** When creating a scheduling calendar using the "Downtime" switch, the Shifts page on the form is no longer editable.
- **DTS-42** Selecting the intersection calendar for an assignment where task and resource calendars are different now completes with expected results.
- **DTS-38** Closing a project using the application "x" now prompts to save changes if they are detected.
- **DTS-9** A new internal system field - Originator - now exists to declare the product from which activity data originated.
- **DTS-8** DTS now supports the concept of XYZ coordinates as internal system fields.

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Datamine enables efficient and sustainable mining through the application of world-leading technology and services.

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