

MineMarket 5.6.0

Release Notes



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Overview

MineMarket provides comprehensive management of the mining value chain, combining material tracking, logistics management, complex sales and marketing, and commodity trading capabilities into a single solution. It ensures traceability throughout the mining value chain, covering transportation, material purchases and sales, invoicing, and trading. MineMarket facilitates informed decision-making through real-time monitoring of market fluctuations, profit and loss metrics, accurate transaction tracking; and offers maximum market transparency from initial execution to final settlement. Flexible and analytics-driven, MineMarket supports bulk commodities, precious metals, and base metals, including concentrates and discrete units. It can be used out of the box or tailored to match the specific needs of your mining operation, serving as a key risk management and profit optimisation tool.

Further Information

This document includes cumulative release notes for MineMarket 5.6.

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

For the complete MineMarket documentation, see <https://docs.dataminesoftware.com/MineMarket>.

MineMarket 5.6.0 Release Notes (March 2025)

Performance Improvements

- **Freshdesk case: 180794** The maximum number of unarchived transactions and surveys in a server bucket check is 500,000. If more transactions and surveys exist, an error message displays. The server bucket check can be run again after archiving some transactions.
- Searching for any item by name in any invoice screen now queries the database directly instead of requiring data to be loaded into memory.
- To reduce the number of objects loaded into memory, the deprecated `ValueSeriesItemScheduler` object and has been removed from code.
- To improve database query efficiency, deprecated objects in quotation pricing headers have been removed from databases, code and the *QuotationPricingHeader* and *OptionalQuotationPricing* sheets in the Excel Uploader.
- The number of `DODownstreamRegister` causes created during revaluation was reduced. Causes are not created for different charges during revaluation because the invoices are processed during revaluation.
- In the **Blending** screen, displaying source stockpiles was slow due to the system retrieving analyte states for each stockpile individually rather than in bulk. A stockpile state cache has been implemented to streamline data retrieval, reducing load times significantly.
- The FX revaluation and price revaluation processes no longer invoke the `GetFulfillment` method, resulting in less database hits and improved performance.

User Interface

- To simplify the use of the **Contract Explorer**, the **More Criteria / Fewer Criteria** button has been removed and all search criteria display.
- A scroll bar has been added to the **Task Pane**, enabling more items to be viewed.
- The **Add Web Page** option in the **Task Pane** and **Task Pane Template** enables the display of external web pages in the MineMarket Client.

MineMarket objects and web pages in a task pane or task pane template can also be set to display by default when the MineMarket Client opens.

- MineMarket supports multi-tab functionality for embedded web pages, allowing users to open links in new MineMarket tabs, similar to a traditional web browser. Cookie management ensures seamless user authentication between tabs, eliminating the need to re-enter login credentials in each tab.
- Security rights for the **Task Pane** and **Task Pane Template** have been simplified so that users can create their own shortcuts to favourite MineMarket objects or web pages. A user's own shortcuts display in addition to shortcuts defined in a task pane template assigned to their user group.

Inventory Management and Tracking

Calculated Blend Configuration

- In the **Source Stockpiles** table, a context menu enables selection of mine sources, stockpiles, stockpile categories, stock locations, products/brands, specifications, process flows and routes as blend sources. Adding a product or brand represents material that is expected to be in transit to the blending location. Adding a specification represents material that is expected to be available with that quality. Adding a process flow adds all stockpiles at the source location of the process flow. Adding a route adds relevant despatches when a blend is being calculated. Relevant despatches have at least one loading transaction before the blend date but do not have an unloading transaction. Dragging stockpiles, locations, products and brands from the **Solution Explorer** is still possible.
- The data in the **Source Stockpiles** table can be filtered. The sources that display after filtering are the only sources that can be included in the blend.
- [Blend templates only] **Stockpile Statuses** can be selected. If statuses are selected, the sources in the **Source Stockpiles** table are pre-filtered by the **Stockpile Status** column so that only stockpiles with a matching status display.
- A **Shift Definition** and **Date Option** can be selected. If selected, the shift definition and date option set the default **Blend Date**.
- You can configure which analyte columns display in the **Source Stockpiles** table with any combination of the following options: **Only Show Included**

Analytes (that is, the analytes in the target specifications), **Analyte Group**, and **Hide Analytes Without Values**.

- You can select a **Contributor Group** to display read-only contributor values for the blend sources.
- In the **Specifications** table, the context menu enables selection of a product/brand, stockpile, specification template or despatch order as the target specifications of the blend. Dragging a product/brand or specification template from the **Solution Explorer** is still possible. You can update the **Target, Minimum, Lower Warning Limit, Upper Warning Limit** and **Maximum** values for analytes in the target specifications.
- The **Default Master Blend** field has been removed from all stockpile screens because it has no impact on the selection of an assigned blend in the **Master Blend** field on the **Blending** screen.

Calculated Blend Execution

- When creating a blend from a blend template, any source stock location expands to display the stockpiles at the location.
- When creating a blend from a blend template with a specified **Shift Definition** and **Date Option**, you can use the left and right arrows on the time selector for the **Blend Date** to move between shifts.
- The **Blend Templates** setting of a stock location, despatch location or stockyard determines which blend templates are available in the **Solution Explorer** context menu for stockpiles at that location or stockyard.
- When creating a blend for a stockpile from a blend template, the current stockpile is always included as a source stockpile in the blend because its contents will be part of the blend result.
- If a blend is assigned to a stockpile, the **Planned Quantity** of the stockpile is updated with the total **Blend Tonnes** of the assigned blend. In addition to the **Blend Plan** values, the **Target, Minimum, Lower Warning Limit, Upper Warning Limit** and **Maximum** values are also updated in the **Quality** table on the **Current State** tab of the stockpile.

Other Inventory Functionality

- A stockpile **Description** of up to 50 characters can be added when creating a **WAG Stockpile, FIFO Stockpile, LIFO Stockpile, 3D Stockpile** or **Waste Stockpile**.

Transportation and Logistics

- When entering certificate details for trains, truck despatches and shipments, the context menu in the **Certificate Values** table includes the option to **Add Multiple Lots**. The **Multiple Certificate Creation** screen streamlines the creation of multiple certificate lots with default lot values.
- **Freshdesk case: 33594** When creating a service trip template, the **Details** tab includes the options to **Allow Route Change** and **Auto Unload**; to specify a **Default Loading Process Flow** and **Default Loading Stockpile** for loading route points; and to specify a **Default Unloading Process Flow** and **Default Unloading Stockpile** for unloading route points.
- The layout of the **Package Loading** and **Package Unloading** tabs on trains, truck despatches, service trips and shipments has been simplified. The right-click context menus include the options to load or unload discrete units via dedicated **Package Loading**, **Package Unloading**, **Package Group Loading** and **Package Group Unloading** screens. If the despatch includes containers or bulk package groups, the right-click context menu includes the option to empty containers via a dedicated **Container Emptying** screen.

Sales and Marketing

- To simplify adding contract charges to a despatch order, the despatch order **Contract Term Overrides** tab displays a **Contract Charges** node by default.
- The **Journal Creation On Lock Script** in the **Chart of Accounts** configuration can be edited to define required conditions and overrides for the automatic journal creation settings defined elsewhere in MineMarket. The script controls journal creation for invoices, revaluations, payments and refunds.
- When setting up a calendar, you can double-click a date in the **Calendar View** to define non-working days or holidays in the **Edit Work Exclusion Day** screen.
- The **ExpressionLocale** setting in the MineMarket Service configuration controls the language in which the **Calendar View** displays for all users.
- The **Services** table on the **Costs** tab of a despatch order snapshot displays the hyperlinked despatch name for costs attributable to a despatch.

Reporting

Centric Analytics Integration

- For enhanced analytics and reporting, MineMarket supports integration with Datamine's Centric mine information management platform. To use Centric analytics with MineMarket, **Enable Centric Integration** must be checked in the **Options** screen of the MineMarket Client.
- An analytics connection for Centric integration can be created from the **Reporting** panel of the **Solution Explorer**. Configuration details for the MineMarket connection to the Centric Analytics Warehouse are specified on **Analytics Connection** screen.
- The **Analytics Mapping Editor**, accessible from the **Analytics Connection** screen, allows you to map MineMarket objects for use as dimensions or facts in Centric analytics.

System Administration

- The **System Admin** ribbon tab includes a **Blend Results** icon. For users assigned the new *Allow the user to maintain the blend results script* user group security right, clicking this icon opens the **Blend Results Script Editor**. This script can be edited in C# to update the results of a calculated blend.
- The security rights required for all scripting screens have been simplified. The general *Allow script maintenance* security right has been removed, and new specific rights called *Allow the user to maintain the invoice data XML script* and *Allow the user to maintain journal scripts* have been added.
- The *Allow task pane template maintenance* security right in the *Task Pane* domain security rights group is no longer required for users to customise their own task pane. This security right is still required to set up, edit and assign task pane templates.
- A new *Centric Analytics Integration* user group security rights group has been added. The *Allow the user to maintain Centric Analytics integration* security right in this group controls whether a user can enable MineMarket integration with Centric analytics; configure analytics connections for Centric integration; and create and delete analysis objects.

Installation and Upgrades

Note: See the [Installation Guide](#) for details of these changes.

- System requirements have been updated: Windows 11 is supported on Application Clients. Microsoft .NET Framework 2.0 and 3.5 are no longer required on the MineMarket Application Server and Application Clients. Windows Server 2012 R2 and SQL Server 2012 and 2014 are no longer supported. Application Clients must have a minimum of 8 GB RAM.
- Configuration of the MineMarket services and MineMarket Client has been simplified. The connection and security settings common to all services can now be specified in the **MineMarket Common Service Settings** category of the **Application Configuration Editor**.
- In previous versions of MineMarket, the **Calendar View** in the **Calendar Editor** was not translatable. The **ExpressionLocale** setting in the MineMarket Service configuration is now used to control the language in which the **Calendar View** displays. This is a global setting that applies to all MineMarket Clients and takes effect regardless of the language configuration on a user's local machine or translation sets assigned to a user or user group.
- Reporting of invoice revaluation process has been changed to use gRPC instead of writing to a database table. Changes have been made to default configuration files for the MineMarket Service/Server, the MineMarket Marketing Service and the MineMarket Client. The default port number for these notifications is 8091.

Note: In the MineMarket Server settings, **Use Remoting** must be set to *False* to enable the use of gRPC for communication between the server and clients.

- An improved 'on-demand' orchestrator option for the Marketing Service Farms is installed with the MineMarket Marketing Service. If enabled, the **Marketing Service On-demand Orchestrator** automatically creates the Marketing Service Farms. The On-demand Orchestrator distributes the processing load dynamically, creating additional Marketing Service Farms when processing demand increases and minimising idle time for each Farm.

Note: To ensure backwards compatibility, the Marketing Service Orchestrator option introduced in MineMarket 4.6 is still available. However, Datamine recommends using the Marketing Service On-demand Orchestrator option where high-performance processing of despatch orders is required.

- The MineMarket Setup Wizard upgrades the Crystal Reports version to 13.0.36 during installation.
- Some inefficiencies with the MineMarket Database Upgrade Wizard have been resolved, eliminating excessive wait times when launching the application and navigating between steps.

AUR Adaptors

Note: See the [AUR Adaptors Guide](#) for details of these changes.

- Online HTML documentation of the AUR adaptors includes links to download the example files. These examples are now provided as Excel (XLSX) files with notes on the header rows.
- **AURIncident**—Can record additional measurements if the incident definition includes measurement definitions.
- **AURMineSource**—Can be used to update optional attributes, which are properties in the **MineSourceStockpile** class of the MineMarket code. For example, the pit, block or intended organisation.
- **AURMineSource**—If the total value of contributors is between 99.9% and 100.1%, MineMarket adjusts the largest contributor to ensure the total value is 100%. This adjustment accounts for possible rounding errors.
- **AURStockpile**—Can be used to update optional attributes, which are properties in the **BaseStockpile** class of the MineMarket code. For example, the stockpile status or maximum quantity.

B2MML Adaptors

Note: See the [B2MML Adaptors Guide](#) for details of these changes.

- All B2MML adaptors have been updated to be compatible with the B2MML V7.1-2023 schema. The changes only affected the object model. No changes to XML structures for MineMarket integration are required.
- When importing sample results, any non-numeric or invalid analyte values (for example, "LessThan 0.01" to indicate values below detection limits) are set to null.
- For more flexible B2MML integration, a name-value pair for train tonnage corrections can be specified in the **Configuration Parameters** for the **NotifyWorkExecutedEvent** subscriber in IMS Integration Hub.

- When importing data, stockpile categories are read and created from the **MaterialActual » StorageLocation** node rather than the **HierarchyScope**.
- The **NotifyOperationsScheduledEvent** class, previously used to import mine sources and surveys, is no longer supported. Mine source and survey data can be imported with **NotifyWorkExecutedEvent** and **NotifyWorkReconciledEvent** classes.

Excel Uploader

Note: See the [Excel Uploader Guide](#) for how to use this tool to import data into MineMarket.

- The Excel Uploader includes the following new worksheet: **BudgetedCosts**.
- If any data displays as strikethrough text, check the **Calculation Options** on the **Formulas** ribbon menu of Excel. In Excel's *Manual* calculation mode, an option was introduced in 2023 called *Format Stale Values*. When enabled, *Format Stale Values* adds strikethrough formatting to some cells, and this may lead to upload errors. When using the *Manual* calculation mode, ensure *Format Stale Values* is unchecked, and press **F9** to update calculations before running the Excel Uploader.

Defect Fixes

- **Freshdesk case: 201764** An issue has been fixed where attempting to load data with the AURTransaction adaptor resulted in an error, but where splitting the file into two separate files allowed successful processing.
- **Freshdesk case: 215255** An issue has been fixed where updating transaction data with the **NotifyWorkReconciledEvent** B2MML adaptor class caused an error and wrongly deleted samples.
- **Freshdesk case: 218697** An issue has been fixed where object reference errors could occur when deleting a despatch order.
- A foreign key constraint error could occur when deleting a duplicated billboard or a billboard with a summary column. Code changes have been made to prevent this error, and a script is available for any affected databases.
- A memory leak has been fixed and performance improved when processing B2MML outbound messages using the BulkTrak.Integration.PublishSubscribe.dll adaptor via Integration Hub.

- Object reference errors could occur when generating an invoice report if a contract charge has no specified **Unit** in the **Header Pricing** field group or if the despatch has a route marker. These errors have been fixed.
- During the creation of journals, MineMarket was using the adjustment in the currency of the invoice as it was in the currency of the revaluation. This created some wrong journal entries. Now MineMarket uses the correct currency while creating the journal entries.
- An issue selecting a proportional UOM for a calculated analyte definition has been fixed.
- An issue that resulted in incorrect tax amounts for incremental journals with taxes calculated on a *Payable Total* basis has been fixed.

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