

Centric 2.20

Release Notes



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Overview

Centric is a comprehensive mine information management platform used by supervisors, operators, geologists, engineers, planners, managers, and executives in the mining industry. It integrates existing systems into a unified decision support network, providing real-time visibility of KPIs and operational metrics from pit to port. It delivers sustainable ore accounting, operational reporting, and analytics, allowing users to monitor performance, analyze non-compliance, and take corrective actions. Centric's powerful tools and single source of truth ensure better decision-making and lower operational costs across multiple verticals, from geology to operations and maintenance.

Further Information

This document includes cumulative release notes for Centric, from Centric 2.17.

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

Get Help with Centric

Feedback

As always, we welcome your feedback on our products. To suggest new features that would bring you value and improve efficiency in your workflow, please contact us at support@dataminesoftware.com (subject line: *Centric Feature Suggestion*).

Support

If you experience technical issues with this release, please get in touch via support@dataminesoftware.com and our dedicated support team will be happy to assist you.

Centric 2.20 (July 2025)

Centric 2.20 marks the beginning of our new quarterly release cycle strategy.

To help all customers keep their Centric version current with minimal disruption, we now operate on a three-month major release cycle. This schedule simplifies configuration testing and training, making upgrades more focused and manageable than before.

With improvements driven by customer testing feedback, Centric 2.20 resolves low to medium impact bugs from the 2.17 and 2.19 releases—laying a stable foundation for our accelerated release strategy. This release also includes new features and enhancements across integration, deployment, configuration, data visualization, and UI/UX.

UI/UX Enhancements

Contrast settings for accessibility: Low, normal and high contrast themes are now available alongside existing dark and light modes. Use the new picker in the user settings dialogue to choose a contrast level, and your preference is saved to a cookie for persistent accessibility.

Copy configuration in context menus: Super, Admin and Service users can now easily select which columns to copy for each data row via the form's right-click context menu.

ISNULL operator support: Filters and conditional formatting now allow you to include or exclude records based on whether a field's value is null.

More intuitive drop-down search Searches still use "contains" as the default method, but a new enhanced search option treats spaces as wild cards, ignores special characters, and runs multiple "contains" checks. For example, typing "1104 stope" now finds "1104-stope".

Deployment and Configuration Enhancements

Hide breadcrumb bar: An enhanced configuration option now allows you to hide the breadcrumb bar, supporting improved white-labelling and embedded solution capabilities.

Copy form creates new table: When copying a form, the entire underlying table is now created as a new object. This ensures copied forms store data independently, which is critical for multi-site deployments.

More options for simple conditional formatting: The simple conditional formats screen now also includes 'Greater or Equal' and 'Less or Equal' operators. You can apply these either through additional rows or an updated control.

Data Visualization and Reporting Enhancements

Report rendering on desktop: You can now render reports directly in a desktop widget—just as you do with desktop forms—to access and display reports more flexibly.

Scatter plot enhancements: Enhance scatter plot visualizations with new display options, such as best-fit lines and trend lines, for more versatile presentation of data relationships.

Integration Enhancements

REST API connection: This release introduces foundational capabilities for external system integration via REST APIs, to enable data exchange between Centric and third party platforms.

- **Add connection type:** REST API connections support various authentication methods for secure integration, including basic authentication, header based authentication and OpenID Connect (OIDC).
- **Connection end point definition:** End points for REST API connections now include HTTP verb specification (for example, GET, POST); timeout settings to define connection failure thresholds; and object mapping functionality to describe where data is retrieved within the API response and to define the structure and data types of each property.
- **ETL integration with REST API:** REST API connections can be leveraged as a data source in Centric's ETL processes, enabling API-sourced data to populate warehouse tables. Further enhancements include support for passing API variables to ETL processes.

Defect Fixes

Centric 2.20 Defect Fixes

User Interface and Accessibility:

- Corrected Last Modified Date inconsistencies across forms, ETLs, and administrative objects.
- Fixed timing issues when creating records using drop-down fields.
- Prevented unexpected page refreshes when using the 'Enter' key during logsheet editing.
- Fixed Favourite state display inconsistencies in the Recent Items list.
- Prevented JavaScript errors when configuring IFrame dashboard components with incomplete settings.
- Improved navigation performance on the Browser Audit History page with large datasets.
- Improved date picker handling for both 24-hour and AM/PM formats.
- Corrected HTML display issues in mobile configuration panels.
- Corrected Views to respect SQL filter logic during save operations.
- Prevented errors when re-selecting Select Column in mobile conditional formatting.
- Addressed mobile configuration +Add Job functionality to ensure expected behaviour.
- Fixed tab navigation issues with date pickers positioned as the last column.

Performance and Stability:

- Improved handling of ETL history visibility, ensuring all job executions are accurately logged.
- Addressed timeout and transaction issues during large-scale ETL merging operations.
- Enhanced cache invalidation to ensure client-side updates are applied after upgrades.
- Reduced Job Page and Desktop component load times from seconds to under 100 milliseconds.

- Improved test connection speed on the Connections page from approximately 15 seconds to milliseconds.
- Resolved browser compatibility issues with autocomplete="none" and saved passwords.
- Added thread safety in the Login Manager to improve platform stability.

Mobile-Specific:

- Improved mobile sync reliability for data displays and shift approvals.

Configuration and Integration:

- Improved MODUSER handling when creating new forms based on existing forms.
- Resolved IN operator issues when configuring data service filters.
- Enabled alias assignment during data service field creation.
- Updated the Mapping Tool to support new REST API standards.
- Fixed logic errors when copying forms to preserve control-level expressions referencing lookups.
- Resolved ETL rollback issues when creating Analysis Objects.
- Improved performance for menu item rebinding when using new pins.
- Updated copy record functionality to select only the newly created record.
- Fixed null object reference errors when navigating Kendo grids and switching tabs in Analysis Object configuration.
- Introduced support for SQL filters to behave as dynamic filters based on SELECT statements.

Patch Release Defect Fixes

Centric 2.19.4

- Resolved issues with duplicate subscription reports.
- Addressed importer failures preventing data updates after the initial run.
- Fixed null check issues for legacy forms using filtered lookups.
- Improved error handling for multi-edit operations exceeding 25 records.
- Corrected unexpected row selection logic when using the 'N' shortcut key for new records.
- Resolved import errors on equipment tables based on the legacy data model.

Centric 2.19.3

- Improved performance and reliability of large data imports, addressing 502 errors.
- Fixed dashboard component loading failures on desktop environments.
- Made password fields nullable to improve system flexibility and accommodate automatic user provisioning via Microsoft EntraID.
- Addressed recurring single sign-on (SSO) timeout pop ups.
- Resolved date picker and quick filter issues for date fields and aggregate filters.
- Enhanced 'Last X Days' filter functionality in saved views.
- Improved mobile filter handling for client-server value conversions.
- Fixed quick filter inconsistencies for fields using filtered lookups with variables.
- Resolved SignalR authentication errors in systems with configured Windows authentication.

Centric 2.19.2

- Corrected filter list display limitations in Scoop Browser.
- Improved form copying stability for complex forms.
- Enhanced drop-down display formatting and validation dialogues.
- Resolved user group removal errors for specific users.
- Fixed unexpected login prompts for configured Windows Authentication users.
- Ensured column headings appear during form exports when selected.
- Prevented 'module not found' errors in release builds.
- Addressed background colour issues for desktop button controls.
- Fixed user group list display of deleted users.
- Resolved single sign-on (SSO) provisioning errors that prevented user account creation.
- Improved ETL null reference handling for legacy forms using filtered lookups.
- Fixed logic issues in conditional locking/clearing when source fields are Boolean.

Centric 2.19.1

- Corrected self-referencing loop errors during form layout configuration.
- Improved stability of Analysis Object creation to prevent focus loss and UI flickering.
- Resolved unexpected behaviour when adding records to logsheets with child record dependencies.

Centric 2.19 (April 2025)

The Centric 2.19 official release reflects the core needs and requirements identified through three major projects conducted over the past six months. With Centric's ongoing commitment to the broader Datamine product suite, the service delivery roadmap initially prioritised for version 2.18 has been seamlessly integrated with the feature set planned for version 2.19. This alignment enabled an accelerated, unified release under the Centric 2.19 banner.

This major update introduces substantial enhancements to UI/UX and workflow, along with targeted bug fixes addressing issues uncovered in recent Pentest results. It also includes improved deployment and configuration tools, empowering Datamine's Regional Service Delivery teams to deploy and configure Centric more quickly and easily as part of the Datamine Production Solutions Port to Pit product offering.

UI/UX Enhancements

Multi-column panel layout for log sheets: Panels and grids can now be configured side-by-side in multiple columns to support complex, overlapping operations more efficiently.

Revamped menu and favourites system: Includes updated styling, user-configurable favourites, customisable colour-coded folders, and renamable favourites and folders for improved navigation.

Double-click to edit records: Users can now double-click anywhere on a record to enter edit mode, streamlining form workflows and accelerating data capture.

Multi-select with Ctrl-click and Shift-click: Enables users to select multiple records more intuitively by clicking anywhere on the form rows, not just the checkboxes.

Right-click context menu in forms: Provides quicker access to record actions and form features without relying on the menu bar, enhancing user productivity.

Record copy with customisable column selection: Users can duplicate records quickly and choose specific column values to include in the copy.

Additional keyboard shortcuts: New shortcuts offer faster access to common form functions like Approve, Split, Refresh, and Copy, improving navigation speed.

Quick Filter System: An 'Excel-style' filtering and sorting feature enables more efficient data inspection and management within forms.

Modern DateTime Picker: A unified, intuitive control for date and time fields has been introduced across the application, ensuring consistency and ease of use.

Workflow Enhancements and Features

Record Splitting: Split a single record with a defined date range into two separate records—before and after a configurable split date—enabling better granularity without re-entering similar data.

Record Approval Workflow: Flag specific fields for approval and approve flagged records either directly in the form or via automated email reports, improving oversight and reducing back-and-forth.

Rejection via Email: Records pending approval can now be rejected directly through email, streamlining communication and decision-making.

Microsoft Graph API Integration: Enables advanced notification and subscription email functionality through secure and scalable Microsoft Graph services.

Form-Based Traversals for Flat Forms: Configurable relationships now allow flat forms to dynamically pull in related data from other forms, enhancing context and usability.

User-Defined Form Views: Save and switch between personalised views on forms—including filters, sorting, grouping, conditional formatting, and visible columns—for quicker access to relevant data.

Re-sequencing Conditional Formatting Rules: Change the order of conditional formatting rules to ensure the most critical visual cues are applied correctly, avoiding conflicts.

Conditional Locking and Clearing: Extend conditional formatting to automatically disable and clear field values based on logic defined from within the same record.

Filter Locking and Local Filter Control: Admins can restrict global filter saving to capture-admin users, while standard users can still save filters as part of their own user-defined views.

Deployment and Configuration Enhancements

Copy Conditional Formatting and Layouts: When duplicating a form configuration, filters, sorts, conditional formats, groupings, and user views are also copied—accelerating setup for new forms and ensuring consistency.

Advanced Layout Settings: Control the visibility of menus, header bars, and breadcrumbs to create a streamlined user interface, especially when embedding Centric within other Datamine Production solutions.

Custom Branding Support: Centric can now be styled and themed to align with customer branding or to blend seamlessly with other Datamine Production solutions, supporting cohesive visual integration across platforms.

Security and System Auditability Enhancements

Role-Based API Authentication: Enhanced security through role-based authentication applied consistently across all APIs, ensuring access control aligns with user privileges.

Data Service Access Auditing: Execution history now logs detailed information, including request initiator, timestamps, duration, record counts, parameters used, success status, and any error messages—supporting full traceability and system transparency.

Flat Form Change Tracking: A new UI-driven audit trail allows users to view historical updates to records, showing exactly which column values changed, who made the change, and when it occurred.

Improved Single Sign-On (SSO) Integration: Expanded Azure Active Directory (AD) support enables secure sign-on, access restrictions via Azure AD, and automated provisioning of users, tool permissions, and group memberships based on AD roles.

Conditional Formatting Permissions Control: Conditional formatting creation and modification is now restricted to capture-admin users, preventing unintended changes by standard users and safeguarding visual rule integrity.

Defect Fixes

Centric 2.19 includes fixes for several bugs and issues reported to the Centric Mining Systems technical support team.

Centric 2.17 (November 2024)

Centric 2.17 reflects customer feedback and an ongoing focus on enhancing the user experience with respect to operational data management and reporting. This release is a major update that introduces significant new capabilities, addresses several known issues and includes bug fixes.

Centric 2.17 builds on the strengths of Centric's core to deliver a versatile, feature-rich application for mining enterprises—now with faster time to insight.

Embedded Reporting

A new embedded reporting system allows customers to build their own web-based reports within the Centric product, without having to leave their browser.

This new system is lightweight, easy-to-use, and provides drag-and-drop report creation capabilities, enabling customers to transform data into actionable, beautiful and reusable business reports. The new reporting module complements our existing dashboarding capabilities, allowing for the design and development of pixel-perfect paginated reports, in addition to our live dashboards and drag-and-drop analytics. Report subscriptions are also supported, allowing you to schedule email-based report distribution, with support for popular formats including PDF, Excel, and even PowerPoint.

This new capability represents a fundamental shift in how reporting is done in Centric and continues our mission to make Centric more self-service, save our customers money and create opportunities to expand the value of their deployments.

Mobile / Offline Data Capture

Brand-new mobile data capture capability is now available in Centric. This new application is purpose-built for mobile use cases and includes support for offline data capture. Recorded data is stored locally on the mobile device and is synchronized to Centric when connectivity is available. This initial release allows operators and supervisors to assign activities, track progress and other operational metrics, record delays, and locate critical equipment while underground at their work locations and in other contexts without consistent internet connectivity. This new application works on Windows, iOS and Android.

Gen2 Form System

This milestone has been years in the making: the introduction of a significant new architecture to our browser and form system that we're calling the 'Gen2 Form System'. The Gen2 Form System radically simplifies the build of new data capture forms and movement of captured data through the system to the reporting and analytics modules. The new system also improves form performance across the board, as well as many downstream processes such as ETLs and inventory rebuilds.

With the Gen2 Form System, we've laid the groundwork for a faster, more self-service Centric, and paved the way for exciting future enhancements.

Event-Based ETL

In addition to our existing Scheduled and Incremental ETL capabilities, we've introduced a new Event-Based ETLs option. With Event-Based ETLs, data entered into Centric is automatically added to an event queue and subsequently pushed to the warehouse in near real-time. In simple terms, this means that data entered into Centric is immediately available for downstream use, which enables innovative use cases like near-real-time dashboarding and threshold-based alerting.

Improved Cloud Security and Multi-Factor Authentication (MFA)

To further our investment in Cloud support for Centric, we've introduced support for the Microsoft Identify Platform. This provides an additional layer of protection, requiring authentication with a Microsoft account before any Centric resources can be accessed. This enhancement also enables our customers to leverage multi-factor authentication to better protect their valuable data.

More information on the Microsoft Identity Platform can be found at <https://learn.microsoft.com/en-us/entra/identity-platform/>.

Instant Aggregates – WTD, MTD, QTD, YTD

As part of our focus on self-service and improving time-to-insight, we've examined popular Centric usage patterns and how to streamline them. This work has generated a host of improvements, including a new 'Instant Aggregates' feature. With a couple of clicks, users can now add Week to Date (WTD), Month to Date (MTD), Quarter to Date (QTD), and Year to Date (YTD) calculations to existing expressions. Adding these calculations only takes a few seconds, and they can be used anywhere in the platform—Reports, Dashboards and Data Services.

Performance Enhancements

Over the last year we've introduced significant performance enhancements for audit functions, data capture forms, data services, ETLs, and analytics.

Defect Fixes

Centric 2.17 includes fixes for several bugs and issues reported to the Centric Mining Systems technical support team.

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

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