

Centric 2.22

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

For further information about installing or using Centric, check your contract with Datamine to determine whether site-specific documentation was supplied to your site.

Support

Datamine's commitment to customer service provides our customers with access to a skilled and responsive support team. The global customer support team ensures all customer questions and issues are addressed in a timely manner and escalated as required to ensure resolution.

You should always contact Datamine support if you have an issue. Do not contact individual members of Datamine for support because your issue may not be responded to in a timely manner if that person is unavailable.

If you are a licensed Centric user, you can request support via:

- Support Portal <https://www.dataminesoftware.com/support/>
- Support Email support@dataminesoftware.com

Feedback

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

We also welcome feedback about this documentation.

Centric 2.22 Patch Releases

Centric 2.22.6

- Improved bulk delete performance with a dedicated bulk delete endpoint for greater efficiency on large datasets.
- Resolved CentricDimDate MetaTable errors that caused form import failures during packaged solutions imports.
- Fixed timeouts when saving complex forms with multiple dependencies.
- Corrected mapping tool ingestion unexpectedly triggering dirty journals.
- Fixed Analysis Object creation allowing duplicates when an object with the same name already existed.
- Resolved dashboard background images not displaying correctly.
- Fixed unexpected errors when processing mapping tool configurations.

Centric 2.22.5

- Resolved a critical IIS worker process crash caused by System.Windows.Forms instantiation bringing down the DefaultAppPool and causing service downtime.
- Fixed a critical IIS CPU overload caused by authentication redirect loops that exponentially nested returnUrl parameters.
- Corrected the Month() function not working in the ETL Expression Builder.
- Fixed field matching and warehouse selection issues in the dashboard import workflow.
- Resolved forms failing to load or save on certain customer configurations.
- Fixed an Endeavour Inventory Manager crash during time tracking operations.
- Corrected Windows authentication permission provisioning auto-update verification.
- Resolved the Vale ETL incremental strategy not firing reliably.

Centric 2.22.4

- Fixed upgrade scripts failing when run under non-English regional language settings, for example French.
- Resolved Analysis Object import failures with complex expressions using naming schemes such as [D9].[DA34].
- Corrected auto-generated Analysis Object table names containing invalid hyphens. Generated table names now use underscores.
- Fixed duplicate fields being generated for Analysis Objects during form integration.
- Resolved Active Directory (AD) group provisioning failures for complex organisational structures.
- Fixed dashboard subscriptions timing out.
- Corrected form record edit errors on local instances that caused configuration issues.

Centric 2.22.3

- Resolved intermittent "Cached Date Expired" errors that interrupted user workflows.
- Restored Shift + Arrow drilldown hotkey navigation between subforms after upgrade.
- Fixed Report Viewer print preview and export failures caused by visualisation errors.
- Corrected primary key (PK) constraint duplication when saving flat forms. Existing constraints are now removed before new constraints are created.
- Resolved CentricDimDate audit table errors caused by non-standard primary key handling.
- Fixed BHP Inventory Manager mapping sync job "Value cannot be null" errors.
- Corrected cascade delete logic so child records are removed when the parent logsheet is deleted.
- Resolved development form packaged solutions imports timing out with a stack overflow.
- Fixed Analysis Object imports failing with a "0 successfully imported" status.

- Corrected Analysis Object imports that reported items as created without actually importing them.
- Fixed ETL display values not appearing for columns converted to int32 after display values were added.
- Resolved audit forms not being created during meta form imports.
- Fixed Key Conflict error message links not redirecting correctly to the conflicting data view.
- Corrected the mobile date filter showing the date offset by -1 day due to a discrepancy between SQL and Preview.

Centric 2.22.2

- Corrected CSV export dates being offset by -1 day. Export logic now preserves accurate date values.
- Fixed the new ETL bulk copy operation failing with column mapping errors.
- Resolved stockpile adjustments timing out during end-of-month balance and grade updates.
- Corrected Ore Type mismatches between Ore Block Manager and Ore Data Browser that caused incorrect joins.
- Fixed the Endeavour Mapping Tool Ore Block Opening Balance failing with a "Business Unit was not found" error.

Centric 2.22.1

- Fixed records with all values removed not saving despite appearing successful. Empty update detection now catches and saves correctly.
- Resolved unexpected faulted records being created during mobile workflows. Configuration validation improved to prevent spurious faulted record generation.
- Corrected required columns on mobile grids not enforcing required status. Validation binding now works correctly when adding new rows.
- Fixed mobile configuration filters with parentheses generating errors. Complex filter expressions with parentheses now parse and execute correctly.
- Resolved form import failures on packaged solutions.

Centric 2.22 (February 2026)

Centric 2.22 is a comprehensive update combining enterprise deployment capabilities with critical mobile and audit enhancements. This release aggregates improvements from versions 2.21.1 through 2.22.0, delivering a modernised installer, complete application rebranding, enhanced audit management, and significant mobile workflow improvements.

Key highlights include a code-signed installer with in-place upgrade capability, comprehensive Datamine branding throughout the application, audit rollback functionality, enhanced mobile grid support, and production-grade system performance optimisations.

Enterprise Installer Enhancements

Code-signed installer: The Centric installer executable is now code-signed via Datamine certificates, eliminating the need to manually unblock the installer before execution.

In-place version upgrades: The installer now supports upgrading existing Centric installations without requiring uninstallation of previous versions. Configuration and data are preserved during the upgrade, significantly reducing downtime during version updates.

Windows authentication configuration: A new installer screen allows configuration of Windows authentication settings during installation, rather than requiring manual web.config edits.

HTTP/HTTPS configuration: The installer now includes configuration options for HTTP/HTTPS settings and SameSiteNone cookie behaviour. Administrators select whether SSL is configured during installation, and the installer automatically sets appropriate web.config values.

Installer branding: The installer interface has been updated with Datamine branding, new colour scheme, and updated icons.

Application Branding and Theming

Datamine brand integration: Centric has been updated with comprehensive Datamine branding throughout the application, including new logos on login and logout screens, header bar display, browser tab icons, and email notifications.

Default colour theme: The default Centric colour scheme has been updated to the Datamine palette, providing a consistent visual identity across all user-facing interfaces.

Audit Management and History

Audit rollback: A new rollback feature in form audit history enables users to restore records to a specific historical state. Users can review the audit history, select a previous record state, and click the restore button to roll back. The rollback operation automatically creates a new audit history record, maintaining complete change tracking and audit trail visibility.

History cleanup: A comprehensive history cleanup system has been implemented, including a stored procedure for cleaning history tables and a scheduled job for automatic execution. Configurable retention periods prevent unbounded table growth. The cleanup covers multiple history tables including ETL, job, notification, and Inventory Manager mapping logs.

Audit history performance optimisation: Flat form audit history loading and display has been optimised, enabling efficient viewing of extensive change histories without UI lag.

FlatFormAuditHistory table optimisation: The FlatFormAuditHistory table has been truncated and audit triggers updated to eliminate unnecessary duplicate historical data, reducing table bloat and improving database performance.

Mobile and Grid Enhancements

Faulted records on mobile grids: Faulted records now display on mobile embedded grids with available information and the ability to resubmit them. Users can view validation failures directly on mobile grids, correct failed records without returning to the desktop, and resubmit corrected records from the mobile interface.

Required columns validation on mobile grids: Required columns on mobile grids now properly enforce requirements. Validation binding works correctly on new row additions, and required field validation displays in the mobile interface.

Prevent auto-selection after record delete: After deleting a record, the next line remains unchecked. Users must consciously select the next record to modify, preventing accidental modifications to unrelated records.

Mobile filter support for complex expressions: Mobile form filters now support filters with parentheses and complex expressions, enabling sophisticated filter logic on mobile platforms.

Configurable Centric URI for mobile: Mobile configuration now supports a configurable Centric URI instead of the hardcoded localhost default. Administrators can set the mobile application target URL during installation, enabling seamless mobile connectivity in any environment. When initially configuring Mobile, service

users need to configure a Cross-Origin Resource Sharing (CORS) rule in Centric app settings to allow mobile applications to communicate securely with the Centric server.

Dashboard and Reporting Improvements

Dashboard subscription reliability: Timeout issues in dashboard subscription rendering have been resolved. Dashboard subscriptions now execute reliably and send email reports successfully, enabling trusted scheduled reporting workflows.

Quick filter date shortcut enhancements: Quick filter date shortcuts such as Today and Yesterday now maintain header bar visibility and enable reliable date filtering.

Embedded analytics layout configuration: The application now supports multiple configurable layouts within settings for seamless embedding within host applications. Host applications can define different layout configurations for different pages, with dynamic styling and theming alignment, configurable UI layout switching from a dropdown selector, and page-specific appearance customisation.

Data Integration

File connection support for CSV and JSON: REST API connections have been enhanced to support pulling files from remote servers. This includes CSV and JSON file ingestion and parsing via REST API, with an extensible framework for additional file formats.

Form System Enhancements

Soft filter Like/Contains operator: Soft filters now include a Like/Contains operator option. Users can filter for values matching partial text patterns, making it easier to find items without manually checking individual options.

SIMS form cleanup: Cleanup and optimisation of SIMS-related form configuration post-implementation.

Excel Plugin Enhancements

White-labelling: The Excel plugin has been updated with proper branding on the login screen and tab bar for customer deployments.

Manage button restored: The Manage button functionality on the Excel plugin has been restored from its previously disabled state.

Defect Fixes

- Resolved an upgrade failure that occurred when running the audit column refresh script.
- Fixed Entra ID administrator claim not being respected during new user provisioning. Administrator claim processing now works correctly in user creation logic.
- Updated history cleanup SQL tasks with proper connection ID querying and fallback mechanisms.
- Corrected quick filter date shortcuts (Today, Yesterday) causing the header bar to disappear.

Upgrade Notes

In-Place Upgrade

This release supports in-place upgrades from previous versions. Users no longer need to uninstall before running the installer. Run the new installer and follow the upgrade prompts.

Installer Configuration

During installation, administrators are prompted to configure Windows authentication settings, HTTP/HTTPS and SameSiteNone settings, mobile Centric URI, and database configuration options.

History Cleanup

An automatic history cleanup job is created during installation and begins executing immediately. Database history tables are automatically maintained per the configured retention policy.

FlatFormAuditHistory

The FlatFormAuditHistory table is truncated during upgrade. Audit triggers are updated to eliminate duplicate historical records going forward.

Version-Specific Notes

When upgrading from versions 2.16.12 or earlier, ensure comprehensive testing of nested forms and complex form structures. Database restoration operations may require audit trigger recreation.

Centric 2.21 Patch Releases

Centric 2.21.4

- Fixed copy form with new table feature requiring the copy filters and conditional formats checkbox to be checked before a new table would be created.
- Corrected float data type columns in ETL and Analysis Objects not respecting formatting rules when used in dashboard grids.
- Resolved nested forms not opening or being editable after upgrading from 2.16.12 to 2.21.2.
- Fixed mapping tool throwing a "Business Unit Not found" error for source despite the business unit existing with correct external IDs.
- Resolved errors during execution of Oreblock Opening Balance journal in the Inventory Manager Mapping module caused by missing source table for business unit.

Centric 2.21.2

- Resolved dashboard subscriptions timing out and not sending emails. Subscription rendering now completes reliably within expected timeframes.
- Fixed non-visible fields still displaying in the UI and CSV exports when the "Hide non-visible fields" option was checked. This issue occurred when columns were expression-based.
- Corrected the Enter key not saving a record when a dropdown was the active form control.
- Resolved a stack overflow error when importing complex form structures such as SIMS supervisor logsheets.

Centric 2.21.1

- Updated Excel plugin login screen and tab bar with correct branding for customer deployments.
- Restored Manage button functionality on the Excel plugin from its previously disabled state.

- Updated the Centric management page browser tab icon to use the new branding icon.

Centric 2.21 (October 2025)

Centric 2.21 is a stability and reliability update building on the foundation of version 2.20. This release aggregates bug fixes and improvements from versions 2.20.1 through 2.21.0, with a primary focus on resolving deployment issues, Windows authentication challenges, and platform stability.

This release addresses critical issues encountered during upgrades from earlier versions, improves authentication workflows, and introduces enhancements to Windows authentication provisioning.

Windows Authentication Enhancements

Auto-provisioning: Administrators can now define permission provisioning rules for Windows authentication. Permission provisioning can be specified through Windows groups with a configurable refresh mechanism.

Administrator role provisioning: Administrator rights can now be provisioned through Windows authentication groups. When a Windows group is designated for administrative provisioning, users in that group receive administrator permissions automatically. If the field is null, users are provisioned with basic user permissions.

Comma-separated values for permission provisioning: Windows permission provisioning now accepts comma-separated values for multiple group specifications. Provisioning logic uses an OR operation when multiple groups are specified, enabling flexible permission assignment based on group membership.

Form and Dashboard Management

Export and import form configurations: Administrators can now export and import form configurations, enabling easier configuration management across environments and instances. This supports streamlined form deployment, backup, and recovery workflows across multiple instances.

Export and import dashboard configurations: Dashboard configurations can now be exported and imported, supporting streamlined dashboard deployment and replication across sites. Organisations can share standardised dashboard configurations across teams and support rapid deployment of analytics to new environments.

Developer Improvements

Solution linting: Comprehensive linting of the Centric solution improves code quality and reduces pull request review overhead. Standard linting configurations are available for all developers, making code reviews more focused and efficient.

Performance Optimisations

Login Manager memory leak resolution: Fixed a security context in the Login Manager that remained in scope, causing object buildup and system errors. Users can now log in reliably without requiring server process restarts.

ETL merge performance: Improved handling of ETL merge operations with multiple data sources, preventing operations from stalling during long-running transformations.

Defect Fixes

ETL and Data Integration

- Resolved an issue where ETLs with large forms as sources stalled during merge operations. Merge operations now complete reliably with and without incrementation strategy.
- Fixed data import with semicolon delimiter not mapping any data. File mapping now works correctly with semicolon delimiters.
- Corrected an issue where spaces in CSV column headers were saved with underscores, causing ETL failures.
- Resolved a null collection error in the data importer. The import process now handles edge cases correctly.

Forms and Configuration

- Fixed an issue where grid forms became inoperable after upgrade due to dropdown-related errors. Dropdown property updates now work correctly.

- Resolved an issue where dropdown lists did not populate when editing records via double-click on dropdown columns. Dropdown population timing is now reliable.
- Fixed quick filters inadvertently filtering out dropdown option values. Dropdown filters now respect quick filter context correctly.
- Corrected quick filter cascade logic so that filters applied to one column now update values shown in other dependent filters.
- Fixed the date picker horizontal scrollbar obstructing the Cancel and OK buttons. The date picker now displays all controls properly.
- Corrected mobile configuration form filtering that was showing opposite values. Filter logic now works correctly for all operators.
- Resolved an issue where fields originating from ETL expressions were not mapped when copying Analysis Objects. Expression-based field mapping now works correctly during copy operations.
- Fixed an error occurring when saving mapping tool configurations against flat forms.
- Resolved a page error caused by selecting a DateTime column and clicking into the Value field in validation rules.

Authentication and Security

- Fixed Windows authentication login failures that occurred when anonymousAuthentication was disabled. Initial page load issues when using Windows authentication are resolved through proper authentication configuration.
- Corrected sign-in window prompt appearing on both mobile and Centric during initial login. Authentication prompt behaviour now functions correctly.
- Resolved 401 errors on the health endpoint during mobile login using Windows authentication.
- Fixed web server crashes when attempting to log in without a Windows user assigned to a Centric user. Auto-provisioning validation has been improved.
- Resolved SSO permissions not refreshing, causing permission errors despite correct group assignments. The token refresh mechanism for SSO now works correctly, particularly for Edge browser users.
- Fixed random authentication failures when querying system user, which caused signed-in users to lose access.

- Corrected password requirement message visibility during database initialisation. The message was previously hidden behind a non-clickable error panel.

Database and Infrastructure

- Resolved collation conflicts with audit triggers after restoring a BACPAC to a local environment. The BACPAC restore process now completes successfully without collation issues.
- Fixed the scheduler stopping and not executing tasks after updating Centric and changing the application server name. The job scheduler now functions reliably after version updates.
- Corrected a 500 error caused by blank user TimeZone values not being caught by the null check on sign-in.
- Fixed Content Security Policy (CSP) blocking Telerik report printing. CSP configuration now allows report printing functionality.
- Resolved CSP violation errors appearing when App Insights JavaScript files were loaded.

Desktop and UI

- Fixed a missing scrollbar in the folder view of the desktop widget. The scrollbar now displays when needed.
- Resolved several layout issues affecting dashboard display and functionality.
- Fixed the third panel not loading correctly in release configuration for REST API features.

Installation and Deployment

- Resolved a .NET configuration error occurring during fresh installation of Centric 2.20.
- Fixed entry forms failing to load with a TypeError after upgrading from 2.16 to 2.20.1. Form system compatibility is preserved through the upgrade.

Inventory Manager

- Fixed Inventory Manager not creating journals after job execution.
- Resolved job status issues causing unexpected re-triggering. When job containers completed sequentially, the status changed to "not run" even though a subsequent container was still running, prompting users to re-trigger jobs. Job status now accurately reflects the running state.

Upgrade Notes

Windows Authentication Configuration

When upgrading with Windows authentication enabled, ensure that anonymousAuthentication is also enabled in IIS configuration to avoid login issues.

Database Restoration

When restoring a BACPAC file, the upgrade process now handles collation conflicts automatically. Manual trigger recreation is not required.

Configuration Files

The local installer now handles .NET configuration validation. Apply all configuration changes through the installer rather than through manual web.config edits.

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

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.

Centric 2.19 Patch Releases

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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