Sentry in Milestone

2025R2 v25.02.11.17

Release Notes

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Introduction

Scope

This document lists the new features, functionalities, and major improvements of Sentry in Milestone included in this Release.

Audience

The intended audience for this **Release Notes** includes **technical professionals** who are responsible for deploying, configuring, and maintaining the software in enterprise environments. Additionally, commercial stakeholders will benefit from insights into new features, enhancements, and strategic improvements that may impact operational efficiency or align with business objectives.

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What's New

Bug Fixing

- **Alert Image Field Consistency Fix.** Fixed a bug where systems updated from previous versions displayed Alerts without images. This was caused by inconsistencies in the new database table fields used for storing images, resulting in null values being received. With this fix, alerts now consistently display images as expected after system updates. Database Integration. Alert Image Storage.

Previous Releases

As follows, a high-level overview of previous releases ordered from the latest one to the first one during the current year.

2025R2 v25.02.10.09

Bug Fixing

- **Interconnect Service Alert Reception Fix.** Resolved an issue where the *Sentry Interconnect* service failed to receive or process alerts due to missing dependencies. The service now functions correctly, and processes Alert as expected. Interconnect Integration. Alert Reception.

2025R2 v25.02.09.22

Improvements

- **Licensing Intent per Camera Default Value.** Default Value for Licensing Intent is set to the higher level to prevent affecting current configuration for existing cameras. *Sentry in Milestone Plugin for Milestone Management Client.* Interface Availability. Licensing Tier.

Bug Fixing

- **PTZ Zones Min and Max Object Sizes.** Resolved an issue preventing accurate implementation of Minimum and Maximum object sizes in PTZ Zones; detection is now reliable and precise. *Sentry in Milestone Plugin for Milestone Management Client.* PTZ Zones. Min and Max Object Sizes.

2025R2 v25.02.08.25

New Features

- **Image Cropping in Advanced Settings.** Introduced image cropping functionality in the *Camera Settings > Misc > Advance Settings: Image Cropping* to give users better control over the visible area for analysis. Deep Learning Analysis. Image Processing.

- **Rule Resubmission.** Enables users to configure automated rule resubmition after a set interval, allowing the system to validate new or recurring conditions and trigger appropriate actions as needed. Rule Engine. Rule Management.

- **Licensing Intent per Camera.** Added the ability to define licensing intent per camera for better control of interface availability based on License Tier. Interface Availability. Licensing Tier.

- **Free Text Search in Alert History.** Added free-text search for information generated by GenAI agents within the Rule Engine into the *Alert History* view, also available via *Advanced Search*. Alert History. Alert Advance Search.

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Improvements

- **Core v4.1 Implementation.** Upgraded internal components to align with Core Video Analytic v4.1, enabling future compatibility and performance gains as well as improvements to TripWire counting for small objects like faces. Core Platform. Version Update.

- **Deep Learning v7.0 Implementation.**

  - **Beta Gun Shooting Detection.** Enhanced deep learning model for detecting individuals holding a gun in a shooting stance.

  - **Beta Aggression Detection.** A faster and more accurate fighting detection model.

- **Compatibility with NVIDIA Blackwell GPU.** Upgraded Deep Learning Engine to ensure compatibility with the latest NVIDIA Blackwell GPUs. Deep Learning Engine. GPU Compatibility.

- **Aurora Investigate and Verify.** Aurora Investigate – a GenAI base rule for scene contextualization – is added to the existing Aurora Verify – a GenAI base rule for Operator assitance. Rule Engine. Aurora.

- **Deep Learning Network Description and Validation.** Introduced enhanced validation checks and DeepLearning Network descriptions to reduce misconfigurations and errors. DL Network Engine. Configuration.

- **Database Maintenance SP Optimization.** Updated multiple maintenance stored procedures to enhance data consistency and cleanup reliability. Database Management. Maintenance.

- **ImageNumber Type Conversion.** Changed the data type of the 'ImageNumber' field in 'FinalEventDetailAlertImage' table from INT to BIGINT to handle extended ranges. Database Management. Schema Update.

- **Multi-Camera Wizard Update.** Improved user experience and added configuration options to the Multi-Camera Wizard as well as the incorporation of PTZ related settings. Batch Updates. Camera Settings.

- **PTZ Zone Weight Visibility.** Updated UI to visually grey out PTZ Zones with zero weight, clarifying their inactive status. PTZ Settings. Zone Weight.

- **Logo Adaptations.** App logos were updated to comply with the new Brand Manual. Plugin UI. Logos.

Bug Fixing

- **Compliance PPE Error in Internal Mode.** Fixed a critical issue where PPE detection failed when Deep Learning was running in Internal Mode. Processing Server. Deep Learning Engine.

- **Weapon Classification stops when Fire and Smoke Network is enabled.** Resolved a problem where weapon classification stopped if the Fire and Smoke network was enabled in Internal Mode. Deep Learning Network. Weapon Detection.

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- **Process Duplication on Restart.** Mitigated a bug that caused multiple instances of the processing service to be created after restart. Processing Server. Service Management.

- **UUID Displays Zeros in UI.** Fixed an issue where UUIDs were incorrectly shown as all-zero values in the interface. iSentry Plugin for Management Client. Camera Settings.

- **Debug Files Written to C:\ Drive.** Resolved issue where debug files were written directly to the root of the C drive for specific conditions. Processing Server. Logging.

- **Order Alert Images.** Corrected the alert image ordering in iSentry Plugin for Milestone Smart Client to follow the actual alert sequence. iSentry Plugin for Smart Client Plugin. Alert Handling.

- **"OK" Button in Rule Object Manager.** Fixed disappearing "OK" button in Rule Object Manager when scrolling. iSentry Plugin for Management Client. Rule Object Management.

- **SOP Values are not displayed to the Operator.** Corrected an issue where SOP values were not displayed in the iSentry Plugin for Smart Client. iSentry Plugin for Smart Client Plugin. SOP Visualization.

- **Manage Failover UI data disappears on Pane refresh.** Resolved UI issue that makes data disappear when navigating the failover server panel. iSentry Plugin for Management Client. FailOver Configuration.

- **Store Procedure cleanup doesn't remove Indicators.** Fixed stored procedure that failed to delete records in 'Indicators' and 'SystemStatus_History' Tables. Database Management. Cleanup.

- **UserID field type mismatch between iSentry Database and iSentry FailOver Database.** Fixed a mismatch in UserID field type for 'UserIdentificationUserTable' into FailOver Database schema. Database Management. Database Schema.

2025R1 HotFix v25.01.02.04

Improvements

- **Milestone End-to-End Encryption Support.** This update introduces encryption across all major Milestone components—Management Server, Event Server, Recording Server, and Streaming Encryption—enhancing secure communication throughout the system. Security. Encryption.

Bug Fixing

- **Rule Configuration Default Priority.** Fixed an issue where the "Apply Priority" field didn't correctly apply its default value when creating a new rule. This resolves unexpected behavior in rule setup. Rule Engine. Configuration.

2025R1 v25.01.01.27

New Features

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- **Aurora for Rules.** Integrate Generative AI agents to analyze images, answer user-defined questions, and prioritize alerts or take actions based on AI responses. Rule Engine. Aurora.

- **Unified Database Installer.** A centralized installer now supports both iSentry in Milestone Database and FailOver Database installations. Database. Installer.

- **New Trex Tier Models.** Introduced a fourth tier, Premium, while renaming the previous Premium tier to Elite. Tiers now include Lite, Standard, Premium, and Elite for improved application segmentation. Trex. Tiers.

- **Detection Object Size limits per PTZ Zone.** Added configuration for Minimum and Maximum Object Sizes in PTZ Zones to enhance per-zone filtering. PTZ Zones. Min and Max Object Size.

Improvements

- **System Logging performance.** Enhanced log file management for improved reliability and performance. Logging. Log performance.

- **iSentry Plugin Version Control.** Introduced a warning when the iSentry Plugin version is older than the iSentry system, prompting users to update. iSentry Management Client Plugin. iSentry Plugin Versioning.

- **Icon Standardization.** Unified icon designs in Smart Client for a clearer, more consistent interface. iSentry Smart Client Plugin. Icons.

Bug Fixing

- **DB Maintenance Store Procedure.** Fixed an arithmetic overflow error by changing a variable from INT to BIGINT. Database Management. Store Procedures.

- **Rule Object Manager.** Resolved an issue where filtered data wasn't properly expanded, hindering access. Database Management. Store Procedures.

- **Audit Trail.** Fixed a bug causing recent changes to disappear in the audit logs. Database Management. Store Procedures.

- **Edge Device Compatibility with Firefly.** Enhanced Edge Device integration to support the new URL format in Firefly. Onboard Deep Learning is now disabled by default, delegating this task to the server after alerts are sent from Edge Devices. Edge Devices Compatibility.

- **Log File Path Issue.** Corrected the system's use of default paths when custom log paths were deleted. Logging. Configurable Log Path.

- **Log File Writing Frequency.** Reduced log file size by decreasing the write frequency for Log_Messages file timing errors. Logging. Log Frequency.

- **PTZ Camera Patrolling.** Fixed logic errors causing cameras to stop patrolling unexpectedly. PTZ Control. Continue Patrolling was expected. PTZ Patrolling. Continue Patrolling.

- **PTZ Cameras Stop Patrolling.** Addressed an issue where all PTZ cameras under the same Processing Server stopped patrolling until a restart. PTZ Patrolling. Continue Patrolling.

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- **Debug File cleanup.** Prevented random debug files from being saved directly to the C:\ drive. Logging. Configurable Log Path.

- **Error Handling for Suspended Devices.** Fixed errors caused by NULL values in suspended device records. Processing Server. Device Suspension. R1 Hotfix.

- **Configurable Timeout for Standalone Mode.** Added a configurable timeout for standalone video processing servers to prevent connectivity issues in poor network conditions. Processing Server. Video Processing Stand Alone Mode. R1 Hotfix.

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