



Turbine Release Notes

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1. About These Release Notes

Use these pages to learn what changed in each Turbine release: new capabilities, improvements, fixes, and known issues.

Choose Your Path

If You Need...	Open
The latest Turbine Cloud release	Turbine Cloud 26.4.0 Release
The latest Turbine On-Prem release	Turbine On-Prem 26.3.3 Release
Older Turbine Cloud or On-Prem releases	Browse the release folders in the left navigation
Legacy Turbine 11.x notes	Turbine 11.x Release Notes
Platform Installer changes (On-Prem)	Turbine Platform Installer Release Notes

What Each Set of Notes Includes

Turbine Product Release Notes (Cloud and On-Prem)

Each product release page typically includes:

Section	What it covers
What's New	New features and enhancements in the release
Addressed Issues	Customer-visible fixes
Known Issues	Issues that remain in the release, with workarounds when available

Turbine Cloud and Turbine On-Prem have separate notes. Open the set that matches your deployment. On-Prem notes can include installer-related or environment-specific items that do not apply to Cloud.

Turbine Platform Installer Release Notes

Installer notes cover technical updates to the Turbine Platform Installer. They are intended for On-Prem operators and are available behind customer login.

Tips for Reading a Release

- Start with **What's New** for capability changes.
- Use **Addressed Issues** when you are validating a fix or troubleshooting after upgrade.
- Check **Known Issues** before upgrade or when behavior looks unexpected.
- Cloud and On-Prem notes for the same version can differ — always use the notes for your deployment type.

– Turbine Cloud Release

2.3. Turbine Cloud 26.2.x Release

2.3.1. Turbine Cloud 26.2.2 Release

July 21, 2026

Turbine Cloud 26.2.2 is a minor release that includes bug fixes and improvements addressing issues identified in the 26.2.0 release.

For details on the new features and enhancements introduced in Turbine Cloud 26.2.0, see [Turbine Cloud 26.2.0 Release Notes](#).

Addressed Issues

Applications and Records

- **Reference Fields Missing from Reports and API Responses:** Resolved an issue where reference field values appeared in full record views but were empty in reports and Record API responses. Reference field values now display correctly and consistently across all three.
- **Duplicate Comments Created by Repeated Submissions:** Fixed an issue where repeatedly clicking Submit while editing a record comment created duplicate comments. Comment updates now process only one submission while the update is in progress.

Playbook Runs

- **Run Again Option Missing for Playbook Runs:** Fixed an issue where the Run Again button was unavailable for completed production runs in the Test Console. The Run Again option is now available for completed production, test, and draft runs.
- **Component Outputs Included Unrelated Upstream Data:** Fixed an issue where a component's published output included merged output from earlier connectors and sub-playbooks. Published component results now contain only the output produced by the component action.

Canvas

- **Discovered Webhook Outputs Disappeared After Saving:** Fixed an issue where outputs discovered from webhook triggers disappeared after you saved, refreshed, or reopened the playbook. Discovered outputs now persist after saving or reopening the playbook.
- **Record Correlation Triggers Could Be Removed During Cleanup:** Fixed an issue where record correlation triggers were removed in certain edge cases when the orchestration task identifier differed from the correlation configuration identifier. Correlation triggers now remain available after cleanup processing.

2.5. Turbine Cloud 26.0.x Release

2.5.1. Turbine Cloud 26.0.0 Release

March 09, 2026

Turbine 26.0.0: Smarter AI and a Better User Experience

Turbine 26.0.0 introduces powerful AI-driven capabilities and key platform improvements to make building, running, and managing automations easier and more reliable.

This release introduces AI SOC, bringing AI assistance directly into security workflows. AI SOC enables teams to start using AI across alert triage, investigation, and response. Hero AI Companion now includes Playbook Building Mode, allowing users to create and update playbooks using natural language. This significantly reduces the time and effort needed to build complex automation playbooks.

The release also includes improvements in the overall user experience and platform scalability. Code editors now support full-screen mode for easier editing of long scripts. Users can view component errors and run details directly from playbook runs for better troubleshooting.

Overall, Turbine 26.0.0 strengthens Swimlane's position as an intelligent automation backbone for enterprises, where automation and AI work together seamlessly to drive efficiency, speed, and better security outcomes.

What's New in this Release

AI-Driven Security Operations (AI SOC)

Turbine 26.0.0 introduces foundational capabilities for AI-driven security operations (AI SOC), combining traditional SOC workflows with AI-powered capabilities to accelerate security operations, reduce false positives, and enhance analyst productivity through intelligent automation.

The AI SOC solution integrates Hero AI capabilities throughout SOC workflows, enabling intelligent alert analysis to determine true/false positives and prioritize threats, automated threat intelligence correlation that synthesizes results from multiple providers, case investigation assistance with AI-powered recommendations and remediation guidance, and knowledge management with context-aware access to procedures and best practices.

These experiences are powered by Hero AI Deep Agents: the Investigation and Response Agent assists analysts in triaging and investigating incoming signals, the Playbook Generator Agent helps create playbooks to automate and streamline investigation and response workflows, and the Ingestion Agent accelerates onboarding by connecting to third-party APIs to ingest alerts and signals. AI SOC Ingestion makes it faster to connect sources and bring alerts and signals into AI SOC, reducing time to value.

2.6.1.4. Turbine Cloud 25.5.1 Release

February 18, 2026

This release improves the reliability of event-driven playbooks, sub-playbook execution, and connector actions, helping automations run more consistently.

Playbook Execution Reliability Improvements

This release contains minor improvements and bug fixes to increase reliability of event driven playbooks. It improves how event-driven playbooks are queued and run so they are less likely to be missed, stuck, or dropped. These improvements also made sub-playbooks and connector actions more reliable so runs don't fail or show the wrong status due to temporary issues. Overall, automations will run more smoothly.

2.6.2. Turbine Cloud 25.4.0 Release

December 01, 2025

Turbine 25.4.0 delivers major upgrades across the platform, bringing smarter automation, deeper operational insights, and an improved user experience.

This release delivers a major upgrade to Hero AI, now powered by Anthropic's Claude models, offering faster, more accurate, and context-aware responses across the platform. The new AI foundation improves scalability, reliability, and reasoning, providing a smarter and more dependable Hero AI experience while maintaining Swimlane's enterprise-grade security and data privacy standards.

This release also includes several key platform enhancements like condition builders have been enhanced to support new operator contains any for array conditions, enabling more precise filtering of array-type data. The Operational Health experience has been redesigned to unify Runs, Events, and Alerts into a single, streamlined view.

The Send Notification feature has been refined with clearer terminology, co-branded emails, updated footers, and optimized frequency settings for a more consistent notification experience.

There are many usability enhancements such as enhanced report-column management and the ability to open incidents or records in new browser tabs, make navigating and multitasking across Turbine smoother than ever.

Turbine 25.4.0 continues to evolve the platform with a focus on intelligence, visibility, and seamless user experience.

2.6.2.1. What's New in this Release

Hero AI powered by Anthropic's Claude models

- **Advanced Multi-Model Strategy:** Hero AI is now powered by Anthropic's Claude Sonnet and Haiku models. These state-of-the-art models provide faster, more contextually aware responses and better comprehension across automation and analysis tasks.

2.6.3.2. Addressed Issues

Canvas

- **Record Actions – Timeout When Serialization Errors Occur:** Fixed an issue where record action jobs could time out if serialization errors occurred during result processing. The system now handles serialization errors gracefully, marking the job as failed without causing timeouts, which improves resiliency and reliability for record actions.
- **Search Record Actions – Input Validation for Limit Field in Native Search:** In previous versions, setting the limit field in the native search record action to an empty string ("") caused it to behave like an "all" filter. Starting with 25.3.1, setting this field to "" now triggers an input validation error.
- **Playbook Buttons – Unintended Execution on Record Save:** Fixed an issue where playbook buttons could trigger unintentionally after saving a record. If a user previously selected a playbook button but canceled the confirmation dialog, the playbook would still execute upon saving the record. This behavior has been corrected to ensure canceled actions do not persist across user interactions, maintaining expected automation behavior.
- **Playbooks – Retry Action Logic Fixed for Failed Executions:** Fixed an issue where actions configured with retry logic were not executing retries as expected when the action failed. Previously, playbooks would fail immediately without attempting the configured number of retries, even when retry conditions were set.

Records and Reports

- **Cross-Tenant Role Permission Cleanup in Scheduled Reports:** Fixed an issue where permissions for a duplicated role were not removed from the original tenant when the role was reassigned to a different tenant. This caused outdated role references to appear in report scheduling. Permissions are now deleted from the original tenant's database during reassignment, ensuring accurate tenant isolation and preventing cross-tenant role visibility.
- **Tooltip Alignment in Report View:** Fixed an issue where tooltips for multiline text fields in the Report view appeared misaligned when the content was long, extending unevenly toward the right. Tooltips are now positioned consistently, improving readability and visual alignment.
- **Condition Builder Filter Type Changing with Color Coding:** Fixed an issue where changing the filter type in the color coding module also changed the filter type in the condition builder. The condition builder's filter type now remains independent and is no longer affected by changes in the color coding module.
- **Performance Improvements for Load Times:** Improved performance when sorting records by timestamp fields, resulting in faster load times.
- **Enhanced Editing Experience:** When values are edited by multiple sources, non-conflicting changes are preserved and users are prompted only when conflicts occur.
- **Content Overlapping in Read-Only Mode:** Fixed an issue where content in a rich-text field set to read-only mode could overlap other components when the content included fixed widths. The component now displays scrollbars in read-only mode to prevent layout overlap and maintain proper alignment with other controls.

2.6.4.2. Addressed Issues

Reports

- Resolved an issue where special characters like `\t` and `\n` were incorrectly rendered as actual tabs or line breaks in reports. These characters are now displayed properly, ensuring data appears as expected.
- Resolved an issue where charts failed to display values when record data included Korean text. Chart labels and legends now fully support Korean, Japanese, Arabic, and other character-based languages, ensuring accurate and clear representation across multilingual record data.

Canvas

- Resolved an issue where some playbooks displayed incorrect names and opened the wrong page when accessed from the Orchestration → Events view. With this update, playbook names now appear correctly and open in the expected Canvas editor.
- Resolved an issue where playbooks could not be saved if an action included discovered outputs with nested array data. The issue caused an error during save, especially when outputs had advanced structures. Playbooks with advanced output structures now save correctly without errors.
- Resolved an issue where conditions set in actions inside parallel groups within loops were not visible in the UI. Now, these conditions correctly show up, making it easier to view and update them when configuring playbooks.
- Resolved an issue causing a “System Error” when accessing job details for component runs older than one hour. Details are now displayed without any issue.

Records

- Resolved an issue that prevented record create or update actions from succeeding when the input included small decimal values. These values were incorrectly rejected, even though they worked when submitted through the UI. The system now properly handles small numeric values, including those in scientific notation, during record actions.

SSP Import/Export

- Resolved an issue where attempting to export a package caused a Maximum Call Stack Size Exceeded error. This occurred when components had circular references, such as when Component A referenced Component B, which in turn referenced Component A. The fix now prevents duplicate processing of already-handled components, allowing the export to complete successfully.

Content Library

- Improved how publishing works when multiple users attempt to publish packages at the same time. Previously, a short lock timeout could lead to inaccurate attribution in the “CreatedBy” field. The lock duration is now configurable and set to 10 minutes by default, reducing the risk of conflicting updates and improving data integrity during concurrent publishing.

Classic Playbook Re-run Timeout

2.6.5.7. Turbine Cloud 25.1.8 Release

July 08, 2025

This update improves features to resolve the issues found in Turbine Cloud 25.1.0.

Addressed Issues

Canvas

- **Flow name input refresh streamlined**
- Improved the user experience by ensuring flow names are updated only when a user confirms changes (for example, by pressing Tab or clicking off). This eliminates unnecessary updates during typing.
- **Obfuscation and Record Export Action**
- In previous releases, the Obfuscation and Record Export Action features were controlled by a feature flag. Starting with this release, these features will be available by default.

Playbooks

- **Playbook Runs When Connector Is Deleted**

Resolved an issue where playbooks using a deleted connector could get stuck in an "active" state. Previously, instead of properly failing, the playbook would encounter an internal error during the failure process, causing background jobs to error out.

The fix ensures:

- Playbooks fail gracefully when a required connector has been deleted.
- Background jobs no longer throw errors in this scenario.

This improves system reliability and ensures failed playbook runs are correctly timed out.

SSP Import/Export

- Resolved an issue that caused SSP exports to fail when a solution or component ID was missing. The system now displays an error message but allows the export to proceed.

Records

- **Removing Values in List Fields**
- Resolved an issue where removing a single instance of a value from a text or numeric list field in the record UI would incorrectly remove all occurrences of that value upon saving. The issue is now resolved and only the selected instance is removed, and other duplicates remain as expected. This ensures more accurate and predictable updates to list fields when the GlobalRecordPatching feature is enabled.
- **Component creation with grouped actions**
- Resolved an issue that prevented components from being created when triggered through grouped action sets. Grouped actions now work with component generation as expected.

2.6.6.2. Addressed Issues

- **Remote Agents:**
 - Fixed an issue where remote-agent deployments using Podman as a host did not function correctly due to low process and file limits.
 - Fixed an issue where the remote-agent may not recover from a container-engine hangup.
- **Performance Improvements:**
 - Enhancements made to database performance for robust playbook executions.
 - Improved the reliability of connector transfers to remote agents for more stable performance.
 - Fixed an issue where viewing a large revision history caused browser out-of-memory errors.
 - Resolved a memory leak in QoS Serve (Quality of Service), ensuring improved performance and stability.
- **Triggers:** Improved triggers evaluations and enhanced the code to ensure reliable and consistent trigger handling.
- **Large Text Field Handling:** Improved large text handling by ensuring large text fields are passed as proper file objects, enabling seamless use in all playbook actions that process files.
- **Record Actions with UserGroups:** Enhanced the UserGroup field to support all field-level configurations, including accepting members from both groups and subgroups. Resolved issues with native record actions for the UserGroup field, ensuring proper retrieval and handling of "Members of X" and "Subgroups of X" options during user/group field operations.
- **User Groups and Filters:** Resolved an issue where User/Group filters displayed all account users instead of being filtered according to the application's configuration.
- **Content Library:**
 - Resolved an issue with incorrect content counts being displayed. Now content count is displayed correctly.
 - Resolved an issue where Push/Pull buttons were visible when they should not have been.
- **Audit Logs:** Enhanced the logging experience by adding more logs.
- **Usage Metrics Dashboard:** Fixed an issue where the chart was extending beyond the width of the page. Added virtual scrolling to tables for improved performance and user experience.
- **Canvas:**
 - **Transformation Actions:**
 - Resolved an issue where string interpolation was not generated correctly in advanced transformation blocks for Transformation actions.
 - Resolved an issue in the Transform Data action where malformed JSONata expressions or invalid syntax caused schema errors instead of generating properly formatted error messages.
 - **Action Naming:** Resolved an issue where properties with keys starting with numbers or special characters were not handled correctly. Numeric action names are now properly

2.6.7.4. Turbine Cloud 24.3.6 Release

This release introduces enhancements to existing features like Bulk Edit and resolves issues identified in Turbine Cloud 24.3.0, delivering a seamless and better user experience.

For a list of addressed issues, see [Addressed Issues](#).

2.6.7.4.1. What is New in This Release

Bulk Restrict and Lock or Unlock Records:

The Bulk Edit UI has been enhanced with the ability to apply restrictions and perform lock or unlock operations on multiple records at once. Users can now:

- Lock or unlock multiple records simultaneously to streamline work

This feature is behind a feature flag. To enable for your account, contact Swimlane support.

2.6.7.4.2. Addressed Issues

- **Reports:**
 - Resolved an issue where ampersands (&) were not displayed correctly in reports. Ampersands now render properly in all reports.
 - Resolved an issue where exported reports displayed misaligned tables and inconsistent layouts in certain graphs. Graph reports now retain proper alignment and layout after export.
 - Resolved an issue that prevented the rearrangement of columns in application records. Users can now rearrange columns to their desired positions seamlessly.
 - Addressed an issue where records were not loading when a custom color was configured for a multi select and a record does not have a value for that field.
- **Remote Agent:**
 - Addressed an issue where a connector could write excessive data to its output stream, preventing proper error reporting for the action.
 - Fixed an issue where updates to remote agents with specific configurations failed to complete successfully. The remote agent installer now provides warnings when images cannot be pulled, instead of returning an error.
 - The remote agent installer now only warns when images cannot be pulled instead of erroring.
- **Playbooks:**
 - Triggers: Resolved an issue with playbook triggers where inconsistencies between YAML and orchestration tasks occasionally prevented triggers from firing. Playbook triggers now rely solely on YAML for evaluating trigger conditions, ensuring consistent behavior.
 - HTTP Action: Resolved an issue with native HTTP actions that could cause failures when

2.6.7.8. Turbine Cloud 24.3.1 Release

October 23, 2024

Resolved an issue related to the feature flag for the Turbine Library within the platform. This bug affected the visibility and functionality of certain library content. This hotfix ensures the correct behavior of the feature flag, improving stability and usability for users relying on the Turbine Library.

For a detailed list of features, addressed issues, and known issues included in the Turbine Cloud 2024 release 3, see [Turbine Cloud 2024 Release 3](#).

2.6.8. Turbine Cloud 24.2.0 Release

The Turbine 24.2.0 release empowers orchestrators and analysts with a suite of powerful enhancements designed to boost productivity and streamline workflows.

- **Canvas:** Your low code automation Studio: Build playbooks faster and simpler than ever with Turbine Canvas. This intuitive low-code environment lets orchestrators create reusable automation with the ease of drawing a flowchart. Reduces development time by up to 75%.
- **Hero AI** – Case Summarization and Recommended Actions are now part of the Case and Incident Management application, providing automated summaries and suggested actions. Crafted AI Prompts are available as a solution extension, enhancing AI capabilities. These features provide powerful tools for greater efficiency and effectiveness in automation and data management processes.
- **SOC Solution and Collaboration Solution** are now updated for Canvas and renamed to SOC Solutions Bundle and Collaboration Extension.
- **Deeper Insights, Better Decisions:** The ability to analyze playbook run history to optimize automation strategies and make data-driven decisions.
- **Enhanced Playbook Performance:** Advanced trigger conditions for Webhook and Record Events improve orchestration efficiency and manage automation resources effectively.
- **Elevated Security and Compliance:** The orchestrators can now mark playbook data as sensitive, providing an extra layer of protection for critical information.

2.6.8.1. What is New In This Release

Turbine Canvas is available and here are some of the advanced capabilities that will enable Orchestrator to build playbooks with Canvas:

- Drag and Drop actions from a convenient palette directly onto the visual graph.
- Reusable Components: Build modular components and seamlessly integrate them into multiple playbooks, saving time and effort.
- Marketplace Integration: Discover and install pre-built components and actions directly within Canvas, expanding automation capabilities.
- Expand and Collapse components for a clear overview of components and playbooks

2.6.8.7. Turbine Cloud 2024 Release 2 Drop 10

August 9, 2024

This update enhances the features to resolve the issues found in Turbine Cloud 2024 Release 2 drop 9.

For list of addressed issues, see [Addressed Issues](#).

2.6.8.7.1. Addressed Issues

Addressed an issue where we occasionally encountered playbook errors when different versions of a connector were executed on the same agent simultaneously for different tenants.

2.6.8.8. Turbine Cloud 2024 Release 2 Drop 9

August 7, 2024

This update enhances the features to resolve the issues found in Turbine Cloud 2024 Release 2 drop 8.

For list of addressed issues, see [Addressed Issues](#).

For list of known issues, see [Known Issues](#).

2.6.8.8.1. Addressed Issues

- **Playbook: Sub Playbook Configuration with Repeat**
- Fixed an issue where properties marked as promoted were not being promoted when a sub-playbook was configured with a repeat. The fix ensures that promotion now works accurately.

2.6.8.8.2. Known Issues

- **Canvas: Sensitive Data Feature**
- There is a minor bug in the sensitive data feature where sensitive results from sub-playbook action used in a loop or repeat in the parent playbook will not be obfuscated in the parents results. A fix for this issue will be included in the next release.
- **Canvas: Dragging an IF Action Between Two Actions**
- There are instances where dragging an IF action between two actions on the graph may cause performance issues. If you notice any performance impact, log a support ticket. Our team will provide a workaround to resolve the issue. A permanent fix for this issue will be included in the next release.

2.6.8.11.1. Addressed Issues

- **Playbooks**
 - Playbook Test Panel: Addressed an issue in the playbook test panel where inputs set to a false value were incorrectly removed from the test data.
 - Native HTTP Action: Addressed an issue with native HTTP actions where user-specified Content-Type header values were being overwritten.
 - Addressed an issue which prevented users from mapping playbook inputs when configuring playbook buttons in the Application Builder UI.
- **Record Trigger Conditions:** Addressed an issue with the record trigger condition where if a user adds a playbook property references inside a string, on the right side of operations in the condition builder was not being evaluated during a playbook run. This update ensures that the condition builder evaluates these references correctly, making all functionality in the UI work as expected.
- **Engine:** Addressed an issue where jobs could be processed out of order due to significant clock skew between nodes.
- **Native Record Action**
 - Improved the functionality of value selection fields in native record actions. Previously, when selecting values dynamically (using expressions or playbook property references), it was required to send the ID of the selection value instead of the value itself. Starting with version 24.2.5, both single and multi-select value selection fields can now accept IDs, values, or a combination of both when using dynamic values.
 - Addressed an issue where the record details drawer would not close when clicking outside the drawer area.
 - Improved the functionality of user/group fields in native record actions. Previously, using dynamic data (expressions or playbook property references) required sending the full object of the user or group. In version 24.2.5, you can now send any mix of usernames, display names, IDs, or email addresses for users, and the group name for groups, for both single and multi-select fields.
- **Turbine Record Actions:** Addressed an issue where while applying restrictions on records were throwing errors. Fix ensures that record restrictions would work as expected in Turbine Record Action

2.6.8.12. Turbine Cloud 2024 Release 4

June 20, 2024

The Turbine 24.2.4 release empowers administrators to streamline on-boarding and off-boarding of users efficiently.

- **Simplified User Management:** System for Cross-domain Identity Management (SCIM) provisioning automates user on-boarding, off-boarding, and User Management, reducing manual intervention and errors.

3. Turbine On-Prem Release Notes

3.1. Turbine On-Prem 26.3.x Release

3.1.1. Turbine On-Prem 26.3.3 Release

Turbine is evolving into a powerful automation platform that combines intelligent development, enterprise-grade controls, and operational scale in one experience. With Hero AI now capable of making coordinated changes across multiple flows, richer management experiences for playbooks and AI agents, flexible identity management, time-based automation, more precise data retrieval, and built-in safeguards for application scale.

Turbine is moving beyond simply helping teams build automations, it is helping them build faster, manage complexity, and confidently scale automation across the enterprise.

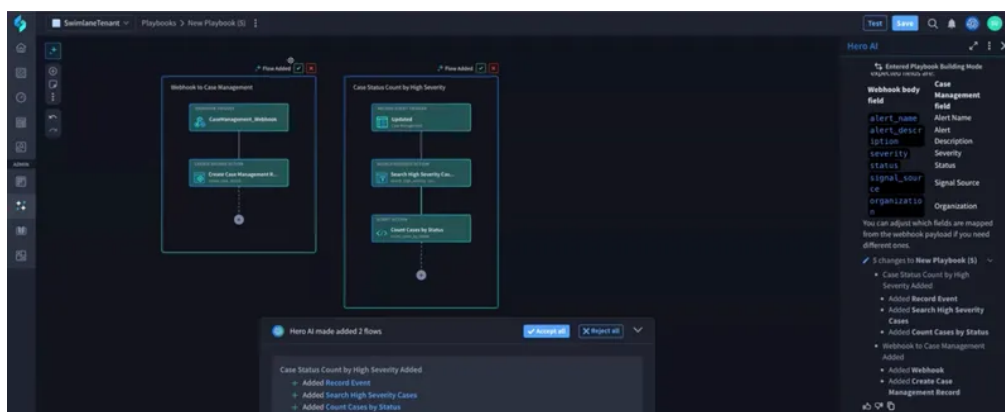
What's New in This Release?

Playbook Generator: Edit Multiple Flows in a Playbook

The Hero AI playbook generator agent can now edit multiple flows within a single playbook in one request.

Select the flows you want to change through the Canvas UI or describe them in natural language, and the building agent applies coordinated edits across those flows. This makes it faster to build and maintain multi-flow playbooks without switching between flows and prompting the agent separately for each one.

For more information, see [Create and Modify Playbooks with Hero AI](#).



3.3.1.4. Turbine On-Prem 26.1.1 Release

May 21, 2026

Turbine **26.1.1** fixed a backend infrastructure issue that had no direct customer visibility.

3.4. Turbine On-Prem 26.0.x Release

3.4.1. Turbine On-Prem 26.0.0 Release

Turbine 26.0.0: Smarter AI and a Better User Experience

Turbine 26.0.0 introduces powerful AI-driven capabilities and key platform improvements to make building, running, and managing automations easier and more reliable.

This release introduces AI SOC, bringing AI assistance directly into security workflows. AI SOC enables teams to start using AI across alert triage, investigation, and response. Hero AI Companion now includes Playbook Building Mode, allowing users to create and update playbooks using natural language. This significantly reduces the time and effort needed to build complex automation playbooks.

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These experiences are powered by Hero AI Deep Agents: the Investigation and Response Agent

3.5.1.2. Addressed Issues

Reports and Dashboards

- **Improved Handling of Unsaved Filters for Report Downloads:** Reports can be downloaded in CSV or PDF format using active, unsaved filters. For all other sharing mechanisms, including email and scheduled reports, only saved filters are applied, as these flows rely on the persisted report configuration. Additionally, the report preview and the downloaded report now consistently reflect the same data and filters.
- **Resolved "No Data" Issue with Dashboard Date Filters:** Fixed an issue where applying date filters with operators such as **Previous**, **Current**, or **Next** on dashboards resulted in "**No data to display**" despite matching records being present. These date filter operators now work correctly and return the expected results.

Playbooks

- **Playbook Run Details Now Show Accurate Date and Time:** Fixed an issue where playbook runs in the test console displayed misleading date information (for example, "Last at [time]") instead of the actual run date. The run details header now shows accurate date and time values based on when the playbook was executed.
- **Improved Authentication for HTTP Actions:** Fixed an issue where the audience property configured in Turbine OAuth client credentials was not honored when used with HTTP actions, which could result in authentication failures. HTTP actions now correctly apply the configured audience value when requesting access tokens.
- **Improved Batch Delete Job Stability:** Fixed an issue where a batch delete job could repeatedly re-queue and enter a continuous loop, leading to increased background processing and database load. Batch delete jobs now complete as expected without being repeatedly rescheduled.
- **Fixed Pagination Indicator for Record Search API:** Fixed an issue where the hasNextPage value returned by the record search API could be incorrect for large result sets. The API now correctly indicates when additional pages of results are available.
- **Real-time record update performance improved:** Fixed an issue where record update domain events could take an excessive amount of time to process when no users were actively viewing the record. Real-time updates for record changes are now handled more efficiently to reduce unnecessary delays.
- **Improved Variable Creation from Event Triggers:** Fixed an issue where correlated values were not displayed in the Create Variables action when configured from a Record Event trigger. Correlated properties from event triggers are now available for selection as expected.
- **Unique field validation enforced for Upsert actions:** Fixed an issue where record **Upsert and Update actions** did not enforce unique field validation, allowing duplicate values to be written to fields marked as unique. Validation for unique fields has now been added and is controlled through a feature flag to avoid disrupting existing workflows. By default, this validation is **disabled**. When enabled, Upsert and Update actions will block updates that attempt to write non-unique values to unique fields, log an error in the run details, and continue applying valid field updates. When disabled, duplicate updates are still allowed, but a warning is logged when a unique field receives a non-unique value.

3.5.3.1. What's New in This Release

Hero AI Companion

The Hero AI Companion can now not only help analysts by querying application records, but it can now help analysts work cases by executing components. Users can ask Hero to perform tasks, and Hero will find the appropriate component and ask the user for verification before executing it. With this new capability, the Hero AI Companion truly becomes a tool for analysts to more quickly triage, investigate, and resolve cases.

The Hero AI Companion can now answer complex questions about Turbine about how best to use Turbine to solve cybersecurity tasks.

Enhanced Home Page Experience

The new Home Page feature is now live—offering a personalized entry point to the platform. Designed to deliver a high-level overview and key insights at a glance, this feature ensures quick access to essential information and frequently used functions immediately upon login. The improved layout enhances navigation and supports more efficient task management.

What we Deliver

Default Home Page Experience: Each new user automatically receives a pre-built Home Page per tenant, ensuring immediate value with minimal setup.

- **Favorite Dashboards:** You can now "favorite" dashboards for quick access. "Fav Dashboards" and "Recent Dashboards" are available for easy access to your preferred views.
- **Per-User Customization:** You take control of your Home Page layout and content.
- **Admin Updates:** Administrators can update the Home Page of specific users, especially customers, to configure optimal experience.
- **Role-Based Dynamic Content:** The Home Page automatically filters and renders cards/widgets based on your assigned role.

Interactive Dashboards

Interactive Dashboards are now available, a powerful new feature designed to transform how you interact with your data. It empowers you to create interactive, real-time dashboards, enabling deeper insights tailored to your specific needs eliminating the need to create multiple reports for different date ranges. For more information, see [Dashboard Filtering Options](#) and [Custom and Relative Date Ranges with Time Units](#).

What we Deliver

- **Flexible Filtering:** Apply global or card-level filters to analyze the exact data you need.
- **Real-Time Insights:** Adjust filters instantly to see updated metrics without rebuilding reports.
- **Preset and Custom Ranges:** Use quick-select presets or define precise custom timeframes.
- **Customer-Specific Views:** Filter by customerId to generate customer-specific dashboards

3.5.5.4. Turbine On-Prem 25.1.9 Release

July 10, 2025

Turbine On-Prem version 25.1.9 is a bug fix release that addresses an issue introduced in versions 25.1.7 and 25.1.8.

Turbine Version 25.1.7 and 25.1.8 was deployed to a limited number of regions; during that rollout, a regression was identified that could impact playbook behavior. As a result, the broader release was paused and not rolled out globally.

Turbine Version 25.1.9 fully resolves this issue and includes all fixes and improvements originally planned for 25.1.7 and 25.1.8.

Turbine 25.1.9 includes:

- All updates and fixes from versions 25.1.7 and 25.1.8.
- You can review them in detail here: [Turbine Cloud 25.1.7 Release Notes](#) and [Turbine Cloud 25.1.8 Release Notes](#).

Addressed Issue:

Resolved an issue introduced in 25.1.8 where a While loop with a false initial condition caused the playbook to fail.

- The loop now exits cleanly with no error when no iterations are required.
- This behavior is now consistent with how it worked prior to 25.1.8.

Known Issue:

- **Component Debug Console:** Users may see an error when clicking into details for component runs older than 1 hour in the component debug console.
- **Playbook Run Sorting:** Sorting playbook runs by **Trigger Type** or **Trigger By** returns a 400 RQLException when retrieval from Elastic is enabled. This affects tenants with Playbook Run Data from Elastic feature flag turned on. Sorting by other fields (Run status, Solution, Start, End) continues to work as expected.

3.5.5.5. Turbine On-Prem 25.1.6 Release

June 27, 2025

This release includes enhancements to existing features and addresses several issues identified in Turbine Cloud 25.1.0, improving both functionality and user experience.

Addressed Issue

Applications:

Role-Based Permissions Removed Without Refresh: Resolved an issue where role-based permissions were cleared when an application was saved multiple times without refreshing the

3.5.6.5. Turbine On-Prem 25.0.7 Release

This release includes enhancements to existing features and addresses several issues identified in Turbine On-Prem 25.0.0, improving both functionality and user experience.

Addressed Issues

- **Remote Agents**
 - Resolved an issue where HTTP actions on remote agents failed to work properly when custom certificates were used.
- **Playbooks**
 - Fixed an issue where default values defined by a connector were applied to all input properties when configuring connector actions in playbooks.
 - Fixed an issue where input properties not defined in the connector schema were not included in the action's custom schema, causing them to be hidden in the input builder. The platform now generates a schema from the action's existing inputs and merges it with the current connector, component, or sub-playbook schema to ensure all inputs are preserved and displayed as expected.
 - Fixed an issue where playbook output application mappings were not being persisted. Output mappings are now correctly saved and configurable.
- **Canvas**
 - Fixed an issue that caused playbook property tokens to not display correctly when the playbook property reference included bracket syntax.
 - Fixed an issue where metadata for parallel group actions in Canvas could not be edited. Users can now update the title, key, and description of parallel actions as expected.
 - Fixed an issue that prevented users from adding new properties to objects when configuring a component action.
 - Fixed an issue where the condition builder appeared blank in the UI, even when conditions were configured. This was due to a runtime error that has now been fixed. Conditions now display correctly as expected.
- **Correlation**
 - Older Correlation Triggers Now Support Trigger Conditions: Fixed an issue where correlation triggers created before this release did not properly respond when a trigger condition was added or updated. These triggers can now be configured with conditions and will function as expected.
- **Records**
 - Record Import: Fixed an issue where multi-select fields without values caused errors during import. User can now successfully import records with empty multi-select fields.
 - Record Export: Fixed an issue where spaces were incorrectly removed when exporting concatenated values (for example, lists of items). Exported CSV files now retain the proper formatting required by the Import.
 - Enhanced Global Search for Tracking IDs: Fixed an issue where searching by tracking ID (for example, ABC-123) in Global Search triggered a full-text search, which could delay

3.5.7.4.3. Known Issues and Workarounds

Remote Agents:

- **Issue:** In the Turbine 24.3.6 release, a known issue exists when using Podman v5+ as the host for remote agents. Automatic container upgrades may fail due to compatibility issues with Podman v5+.
- **Workaround:**
 - Disable the update script cron job.
 - Manually re-install the agent to restore functionality.
- **Resolution:** A permanent fix for this Podman-related issue is scheduled for Turbine v25.0.

3.5.7.5. Turbine On-Prem 2024 Release 3 Drop 5

This release introduces minor enhancements to existing features and resolved a couple of issues identified in Turbine On-Prem 24.3.2, delivering a better user experience.

For list of addressed issues in this release, see [Addressed Issues](#).

3.5.7.5.1. Addressed Issues

- **Records:** Resolved an issue where saving records caused errors. The issue stemmed from a missing feature flag check, which led to unintended record patching. This has been addressed, ensuring consistent behavior with feature flag settings. Records are now saved without errors, and the record-patching capability functions as intended, allowing global patching without full replacements.
- **Remote Agents:** Fixed an issue in Turbine on-prem installation where agents failed to execute actions referencing files. The fix ensures actions with referencing files will work efficiently.

3.5.7.6. Turbine On-Prem 2024 Release 3 Drop 4

The new auditlogs endpoint enhances log retrieval capabilities with pagination, tenant-based filtering, and the option to include account-level logs, improving performance and usability. Users are encouraged to transition to this endpoint as the previous version will soon be deprecated.

This release includes enhancements to existing features and addresses several issues identified in Turbine On-Prem 24.3.2, improving both functionality and user experience.

For list of addressed issues in this release, see [Addressed Issues](#)

3.5.8.4. Turbine On-Prem 2024 Release 2 Drop 8

Hero AI is now available for On-Prem customers. On-Prem customers can now leverage all Hero AI features that were available to cloud customers. These features provide powerful tools for greater efficiency and effectiveness in automation and data management processes.

3.5.8.4.1. What is New in This Release

Hero AI – Hero AI is now also available for On-Prem customers. This includes:

- Case Summarization
- Recommended Actions
- Crafted AI Prompts

To enable Hero AI, contact Swimlane support.

For list of addressed issues, see [Addressed Issues](#).

For list of known issues, see [Known Issues](#).

3.5.8.4.2. Addressed Issues

- **Record Actions:**
 - Implemented a fix for an issue where saving field selections for update/append/remove fields in a native record action and then returning to add more fields would deselect or remove the initial selections. The fix ensures that users can now add fields without resetting the previous selections and that the remove/append checkboxes remain configured.
 - Implemented a fix for an issue where selecting a single-select menu item and clicking the Submit button to execute a playbook did not result in the expected layout change of the record. The fix ensures that the record layout now updates correctly after the playbook runs, reflecting the changes based on the selected menu item.
 - When using native record action, analysts were unable to save records. We have addressed that issue by granting necessary permissions to the system user, so that the analysts can now seamlessly create records.
 - Fixed an issue where User/Group fields were not selectable in the Append or Remove Field sections of the Upsert Record action. Also, Single Select fields were selectable when they should not have been. The fix ensures that field selection works as expected.
 - Fixed an issue that could cause Record Update Actions to fail when clearing attachment fields for the record. The fix ensures that attachments work as expected with record actions.
 - Implemented a fix for an issue that prevented attachments from being created when the attachment's file name contained characters outside of the ISO-8859-1 character set. The fix ensures that unicode characters work with filenames.

3.5.9. Releases Prior to 24.2.0

If you are on Turbine 11.x, click here for the [Turbine 11.x Release Notes](#).

Turbine On-Prem 2024 Release 1

April 19, 2024

In this Release, we specifically addresses and resolve issues found in our Feature Flag, Record Actions, Tenant Creation and Reports. Lastly, we enhanced our Unicode handling in attachments.

Addressed Issues:

1. Turbine Feature Flags:

- Addressed an issue with the Turbine Canvas feature flag. Turbine Canvas, currently in "early access/preview," was unintentionally activated for all accounts in the US Region. The implemented fix ensures that similar incidents of disabled features being enabled are avoided in the future.

2. Record Actions:

- Addressed an issue where the app wasn't being selected for export when using native record actions. The implemented fix ensures that SSP exports works as expected with record actions.
- Addressed an issue where blank record entries were observed for reference record fields despite the accurate count being displayed in the user interface (UI). This update ensures that users will no longer encounter blank entries when accessing records with reference records.
- We resolved an issue where the search dialog would continue loading indefinitely until the window is re-sized. With this update, users can expect the search functionality to promptly return results without requiring any resizing of the parent window. Our fix ensures users can now search for records via keyword search within reference record fields more effectively.

3. Tenant Creation:

- Addressed an issue where creating a new tenant would sometimes result in the process getting stuck at the 'Tenant is being created' state or the default tenant that was created was not working as expected. The implemented fix ensures that tenant creation occurs smoothly and the default tenant functions as expected.

4. Reports:

- Addressed an issue where saving a report with chart and nested filters caused an error, this fix will ensure that reports are working as expected.
- We've added the capability to make URL clickable. Now user can choose a field property called "HyperLink" which will make the URL clickable. If the URL is a read only then the URL will be clickable in the record as well.

3. Improved Unicode Handling for Attachments:

Swimlane Business

4.3. Continuity Management Solution

4.3.1. Swimlane Business Continuity Management

Business Continuity Management (BCM) 25.3.0 introduces a comprehensive solution built on Swimlane Turbine, enabling organizations to centralize, automate, and modernize continuity programs while ensuring compliance with international standards and regulations.

Overview

The Swimlane Business Continuity Management (BCM) solution provides organizations with a complete framework for managing continuity processes and outcomes. By reducing the cost of manual programs, eliminating fragmented information, and aligning with standards like **ISO 22301** and regulations such as the **EU Digital Operational Resilience Act (DORA)**, Swimlane BCM empowers organizations to maintain resilience and readiness.

Key Capabilities

- **Inventory Management**
Maintain an inventory of business processes, resources, and interdependencies.
- **Business Impact Assessments (BIAs)**
Conduct BIAs with recovery objectives and approval workflows.
- **Incident & Response Management**
Centrally manage incidents and coordinate response activities.
- **Continuity Testing**
Schedule and execute continuity tests to validate readiness.
- **Hero AI Guidance**
Leverage Hero AI to guide employees during emergencies and improve BCM documentation.
- **Reporting & Dashboards**
Monitor BCM posture with real-time reports and dashboards.

4.4. Swimlane Compliance Audit Readiness

4.5.3. Swimlane Vulnerability Response Management Release 25.0.0

Feb 14, 2025

The Swimlane Content 25.0.0 release includes the new Vulnerability Response Management (VRM) solution, simplifies and strengthens vulnerability management by consolidating findings, enriching intelligence, and automating remediation workflows. This enhancement allows organizations to reduce risk, accelerate response times, and ensure compliance through a centralized and automated approach to vulnerability tracking and remediation. Read the company announcement of the new [Vulnerability Response Management \(VRM\)](#) solution.

Key Highlights

Centralized & Unified Vulnerability Management

- Ingest findings from multiple scanners, deduplicating and normalizing data for a single view.
- Consolidate vulnerability insights across tools for better decision-making.

Swimlane Intelligence

- Automated enrichment of findings with real-time CVE and exploit intelligence.
- Provides threat intelligence context, linking vulnerabilities to MITRE ATT&CK techniques, public exploits, and attack patterns.

Turbine Risk Scoring

- Multi-factor risk prioritization, incorporating CVSS, EPSS, and real-time intelligence.
- Configurable risk weight adjustments for enhanced flexibility.

Intelligent SLA & Asset Management

- Granular control over asset criticality and SLA targets to ensure timely remediation.
- CMDB integration for real-time asset risk tracking.

Automated & Optimized Vulnerability Workflows

- Automated case creation, tracking, and remediation workflows for faster response.
- Seamless integrations with ITSM platforms for efficient incident management.

Advanced Dashboards & Reporting

- Real-time, interactive dashboards with customizable filtering to track risk trends, remediation progress, and compliance status.
- Drill-down capabilities for deeper insights into security posture.

For more information, see [What is new in this release](#), [Connector and Component Release Notes](#), and [Plugin Release Notes](#).

4.5.3.1. What is New In This Release

4.7.1. Swimlane Content Release 2024.3.0

The Swimlane Content 24.3.0 release enhances the **SOC Solution Bundle** security operations by introducing improved automation workflows, consistent naming conventions, and greater customization capabilities. These changes enable organizations to efficiently handle alert ingestion, phishing email triage, enrichment workflows, and incident response while simplifying deployment and scalability.

Key Highlights

- **Renamed Playbooks:**
 - Ingest – Alert Ingestion has been renamed and split into:
 - SOC – Alert Ingestion (Webhook) – Template
 - SOC – Alert Ingestion (Cron) – Template
 - PT – Bulk Ingest Phishing Emails has been renamed to SOC – Bulk Ingest Phishing Emails – Template for consistent naming under the SOC Solution Bundle.
- **Enhanced Customization:**
 - Template playbooks allow for the duplication and customization of automation flows with vendor-specific integration components for seamless compatibility with your organization's tools.
 - Flexible configuration options allow for custom fields and tailored workflows.
- **Improved Workflow Automation:**
 - Advanced enrichment capabilities with Threat Intelligence (TI) data.
 - Deduplication logic to prevent redundant processing.
 - Streamlined correlation and case creation processes.
 - Automated Knowledge Base Article discovery.
 - Integrated new Hero AI native Canvas action.

4.7.1.1. What is New in This Release

- **SOC – Alert Ingestion (Webhook) –Template:**
 - Supports webhook-based alert ingestion with vendor-specific integrations.
 - Enhanced deduplication logic for avoiding redundant alert processing.
 - Advanced enrichment workflows, including integration with Knowledge Base Articles (KBAs) and observables.
- **SOC – Alert Ingestion (Cron) – Template:**
 - Introduces cron-based scheduling for automated alert retrieval.
 - Standardizes alerts into TEDS objects for downstream processing.

4.7.2.3.2. Addressed Issues

- **SOC Solutions Bundle**
 - Fixed issue with handling non-RFC822-compliant emails
- **Collaboration Extension**
 - Fixed error where the post-interaction email was not being sent
- **Gmail Ingest Phishing Email Component**
 - Fixed issue with getting errors processing emails without attachments
 - Removed testing email

4.7.2.4. Swimlane Content 2024.2.1

The Swimlane Content empowers the SOC analysts with new capability:

- **Detection Engineering Extension:** The Detection Engineering Extension is a new SOC-adjacent solution designed to help you effectively identify and iterate detections, ensuring continuous improvement and optimal performance of a SOC's detection capabilities. This release introduces key advancements and new features aimed at enhancing the accuracy, efficiency, and effectiveness of your detections.

For a detailed list of features in Swimlane Content 2024 release 2, See [Swimlane Content 2024.2.0](#).

For list of addressed issues, see [Addressed Issues](#).

For list of new or updated connectors, see [New or Updated Connectors](#).

4.7.2.4.1. What is New in This Release

- **[Detection Engineering Extension](#) :**

The Detection Engineering Extension offers several key features in the Swimlane Content 2024 Release 2 drop 1. Practitioners can build new detections using a best-in-class detection engineering process, ensuring coverage of new and emerging threats. Additionally, practitioners will be able to identify detection engineering-relevant closure codes, which are purpose-built to measure detection efficacy. The DE Solution also provides an interactive applet that helps close the feedback loop between analysts and detection engineers.

4.7.2.4.2. Addressed Issues

- **SOC Solution:**
 - Support for file type observables in TI VICs and in the application widget
 - Fixed unmapped action inputs in multiple components
 - Fixed rendering HTML with embedded images using a CID URL
 - Add filtering for Record Update Triggers