



Turbine Release Notes

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1. About These Release Notes

Swimlane Turbine has two types of release notes: Turbine product release notes and Turbine Platform Installer release notes. Here's what you can expect in each deliverable.

Turbine Product Release Notes

Turbine is offered on-premises, and as a cloud offering. The release notes contain information about new features, enhancements, bug fixes that originated from customers, and known issues. Where possible, we will provide screenshots and/or links to documentation for clarity.

Here is a link to the [Turbine Cloud 26.1.0 Release](#).

Here is a link to the [Turbine On-Prem 26.1.0 Release](#).

Here is a link to the [Turbine 11.X Release Notes](#).

Turbine Platform Installer Release Notes

[These notes](#) are specific to the installer and are provided for our internal and external customers who want to stay up-to-date with the technical improvements with the installer. Installer release notes are behind a customer login.

2. Turbine Cloud Release Notes

2.1. Turbine Cloud 26.1.0 Release

2.2.2. Addressed Issues

Playbooks

- **Component Save Failure Caused by Long Auto-Generated Titles:** Fixed an issue where components added to playbooks could not be saved due to automatically generated titles exceeding length limits. The title generation logic has been updated to ensure titles remain within acceptable limits, allowing components to be successfully added to playbooks without requiring manual title editing.
- **Condition Builder Display Issue:** Fixed an issue where the Condition Builder failed to display condition data stored in playbook YAML. When opening the Condition Builder for playbooks with existing conditions, the interface would appear empty even though conditions were present in the YAML. Condition data is now correctly parsed and displayed, allowing users to view and edit existing conditions.
- **Condition Branch Actions Preserved:** Fixed an issue where adding a Condition action to the True branch of an existing condition removed downstream child actions. Branch actions now remain intact when inserting new conditions.
- **Missing Apply Prompt:** Fixed an issue where the Send Notification action didn't always prompt users to apply changes when modifying notification recipients. When changing the notification recipients value from one playbook property to another, the action UI didn't consistently prompt users to apply the changes, potentially leading to unsaved modifications. The action UI now consistently prompts users to apply changes as expected.
- **Optimizations in Playbook Runs API:** Fixed an issue with the `playbook-runs` API where, by default, it was sending all playbook IDs instead of an empty list when no IDs were specified. This caused slower responses and performance issues when retrieving playbook runs. Now, the API correctly sends an empty array by default, so you can filter runs properly and enjoy faster, more efficient API performance.
- **Component Run Failure After Marking Output as Required:** Fixed an issue where components failed to run after marking any output as required. When users marked component outputs as required, the component would fail to execute even when all required outputs were properly configured. Components now run correctly with required outputs configured, allowing users to enforce output requirements without breaking component execution.

2.3.1.4. 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.

2.3.2. 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.

2.3.3.2. 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

2.3.4.2. 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 the system failed to import and export SSPs from Call Center

2.3.5.7. 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

2.3.6.2. 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

2.3.7.4. 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](#).

2.3.7.4.1. 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.

2.3.7.4.2. 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.

2.3.7.8. 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](#).

2.3.8. 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

2.3.8.7. 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](#).

2.3.8.7.1. 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.

2.3.8.8. 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](#).

2.3.8.8.1. 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.

2.3.8.11.1. 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

3. Turbine On-Prem Release Notes

3.1. Turbine On-Prem 26.1.0 Release

May 18, 2026

Turbine 26.1 release is all about making the product faster, easier, and more powerful to use, while also strengthening control and scalability. We've focused heavily on user experience, so teams can build, manage, and scale playbooks with far less effort.

From a refreshed, cleaner interface and larger workspace to simple actions like cut/copy/paste, undo/redo, and one-click enable/disable, everything is designed to reduce friction and speed up everyday work. Users can move faster, make changes confidently, and stay focused without getting lost in the UI.

At the same time, we're helping teams scale smarter. With improved organization of playbooks, easy access to AI agents through the Content Library, and a completely redesigned RBAC system, users get both simplicity and enterprise-grade control.

3.1.1. What's New in this Release

Redesigned: Role-Based Access Control (RBAC)

This release introduces a fully redesigned Role-Based Access Control (RBAC) system that provides more granular, flexible, and scalable control over access across users, roles, and tenants. The goal of this redesign is to give organizations precise control over what each user

3.2.3. Known Issues

Known Issue 1: JumpCloud User Re-Add Missing Group Association

When a user is removed from a group and then re-added to the same group in JumpCloud IdP, the user is re-created in Turbine but the group association is not restored.

Known Issue 2: JumpCloud User Reactivation Missing Group Associations

When a user is suspended and later reactivated in JumpCloud IdP, the user's group associations are not reflected in Turbine.

Known Issue 3: Component Save Button Enabled with No Changes

After creating a component, the Save button may appear enabled even when no actions are added to the canvas. This can make the component appear modified even though no changes were made. Functionality is not blocked, and saving without changes does not alter the component.

Known Issue 4: Record Actions Lose Application Linking After Import

When importing playbooks or components, record actions (create/update/upsert/search) can lose their application linking, requiring users to reconfigure the record actions after the import.

Workaround: Include and publish the referenced application along with the playbook or component when exporting/importing. This preserves the application links in record actions.

3.2.4. Turbine On-Prem 26.0.4 Release

Swimlane announces that Turbine now supports **Bring Your Own Model (BYOM)** architectures. Turbine customers can route all Hero AI features—including Hero AI Native actions in automation, Turbine deep agents, and Hero AI Companion—through their own enterprise AI subscriptions and infrastructure. This enables organizations to use Turbine alongside existing AI stacks, retain full data sovereignty, and satisfy strict regulatory, compliance, and security requirements.

3.3.1.4. Turbine On-Prem 25.5.1 Release

February 19, 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.

3.3.2. Turbine On-Prem 25.4.1 Release

December 11, 2025

Turbine On-Prem 25.4.1 release includes one fix on top of the 25.4.0 release. Release 25.4 introduced an issue in Rich text editor which is now fixed as part of 25.4.1.

Turbine 25.4.1 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.

3.3.3.3. Known Issues

Issue: Attachments Not Linked in Correlation

In Turbine Platform (TP), the attachment correlation functionality is not working as expected. When correlation is configured for attachments in an application, the attachments are not being linked or correlated across records.

Steps:

1. Connect to the PostgreSQL pod: `kubectl exec -it postgresql-0 -- bash`
2. Switch to the `postgres` OS user: `su postgres`
3. Connect to the PostgreSQL database: `psql`
4. Execute the following SQL commands to create the TLSH comparison function: `CREATE OR REPLACE FUNCTION public.tlsh_compare(TEXT, TEXT) RETURNS INTEGER AS '/usr/lib/postgresql/14/lib/tlsh_psql.so', 'pg_tlsh_compare' LANGUAGE C;`
5. Verify the function is available by listing functions in the public schema:

```
SELECT * FROM pg_extension;  
SELECT routine_name AS function_name FROM information_schema.routines WHERE routine_t
```

For a detailed list of known issues in **Turbine 25.3.0** release, see [Known Issues](#).

3.3.3.4. Turbine On-Prem 25.3.4 Release

October 16, 2025

Turbine 25.3.4 introduces key import enhancements and addresses issues found in earlier releases plus a critical security fix addressing a security vulnerability to enhance platform

3.3.5.6. Turbine On-Prem 25.1.5 Release

June 24, 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 Issues

Records:

- **Record link for single-select reference:** Resolved an issue where reference record URLs were not being generated correctly, which led to broken links and errors when attempting to access the records. This issue has been addressed, and reference record URLs now generate properly and function as expected.
- **Record merging during environment slowness:** Resolved an issue where, under conditions of slow network speed or environmental slowness, switching quickly between records could result in incorrect data being displayed. Previously, if a user clicked on one record and then quickly clicked on another before the first record fully loaded, the second record might display and save data from the first record. This has now been fixed. The application now properly cancels the previous request when a user selects a different record, ensuring that only the correct data is shown and saved in records.
- **Co-Editing:** Resolved an issue where co-editing events were incorrectly triggered by real-time updates. Previously, when fields like lists or checkboxes were updated externally, the frontend would publish co-editing events as if the user had made the changes. The fix ensures that co-editing events are now only triggered when the user actively makes changes, ensuring a more accurate and consistent co-editing experience with records.
- **GlobalRecordPatching:** Resolved an issue where unmodified fields were incorrectly included in PATCH requests when the *GlobalRecordPatching* feature was enabled. This behavior could lead to unintended data changes. PATCH operations now only include fields that have been explicitly modified.
- **Record Update Action:** Resolved an issue where valid URLs ending with special characters were incorrectly flagged as invalid during the Update Record action. The validation has been updated to correctly allow such URLs, preventing unnecessary

3.3.6.7. Turbine On-Prem 25.0.5 Release

March 07, 2025

Addressed Issues

Canvas: Resolved an issue with **Native Action: Swimlane Intelligence**, previously there was an error while enabling this action on the on-prem environments. Now the **Native Action: Swimlane Intelligence** can be enabled if needed and will be available in the action panel in Canvas.

For more information about Turbine On-prem 2025 Release 1, see [What is new in this release](#), [Addressed Issues](#), and [Known Issues](#).

3.3.7. Turbine On-Prem 24.3.0 Release

The Turbine On-Prem 2024 release 3 drop 2 introduces a host of innovative features and enhancements aimed at optimizing automation efficiency, empowering orchestrators and analysts to seamlessly integrate AI, streamline workflows, and elevate version control capabilities.

Key Feature Highlights

Version Control with Turbine Library: One of the major highlights of this release is the enhanced Version Control capabilities within the Turbine Library. Users can now create versioned content packages and revert to previous versions if necessary, ensuring a seamless and reliable content management experience. Additionally, Turbine Library now offers a premium feature to integrate with external GitHub repositories, allowing for easy push and pull of content between Turbine accounts and GitHub. This enables better collaboration and management of version-controlled content across teams.

Turbine Canvas Enhancements

- **Hero AI Action in Canvas:** Introducing a new, easier-to-use, platform-native Hero AI action, which enables orchestrators to leverage Swimlane's Hero AI for simplified and faster prompt creation within the Canvas playbook-building experience. This action

3.3.7.5.1. 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.

3.3.7.6. 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](#).

For a detailed list of features, addressed issues, and known issues included in the Turbine On-Prem 2024 release 3 drop 2, see [Turbine On-Prem 2024 Release 3 Drop 2](#).

3.3.7.6.1. What is New in This Release

- **PAT Token Support:** The Turbine API now supports Personal Access Tokens (PAT), enabling users to authenticate without a username and password. This enhancement offers a more secure and flexible login experience.

3.3.8.4.2. 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.
- Fixed an issue where quotes in attachment filenames caused errors when uploading attachments with Record Actions. The fix ensures that filenames containing quotes are now processed correctly

- **Page loading Issue:**

- Implemented a fix for an intermittent issue where the solution contents would not fully load, causing a spinner to remain on the graph indefinitely. The fix ensures that the contents now load completely.

4.1. AI SOC Solution

4.1.1. AI SOC Solution Release 26.0.0

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 automation to accelerate triage, reduce false positives, and help analysts resolve cases faster.

The **AI SOC Solution** is an end-to-end security operations package powered by Hero AI. Alerts and reported phishing email become Case Management records (prefix **CASE-**). Prebuilt playbooks ingest, normalize, enrich, correlate, route, and support analyst investigation in one place.

Analysts work from **Case Management** → **AI Alert Analysis** (the AI Analysis widget). From there they claim records, review Hero AI plans and verdicts, run remediation steps, and set manual verdicts when needed.

End-to-End Workflow

Step	What Happens
Ingest	Webhook, cron, or email playbooks receive alerts or phishing reports
Normalize	Ingest flows create or update CASE- records
Enrich	Threat intelligence and knowledge base articles attach to the record
Evaluate	Correlation, the rules engine, and Hero AI produce a verdict when gates are complete

4.5. Swimlane Vulnerability Response Management

4.5.1. Swimlane Vulnerability Response Management Release 25.2.0

New Features and Enhancements

- Added "Requires Attention" Field to core VRM applications (Vulnerability Finding, Vulnerability Case Management, Vulnerability Remediation Item). Field was already present in Vulnerability Asset application.
- Added supporting logic for "Requires Attention" fields in VRM – Vulnerability Response Management playbook.
- "Date Closed", "MTTR", and "Status" field are now updated in Vulnerability Finding application when Vulnerability Findings are ingested with vulnerability-finding-remediation-status set to "Closed".

Addressed Issues:

- Addressed logical error preventing caching of exports used in deduplication from refreshing as expected. Fixed in "VRM – Get Findings CSV Export" : "Evaluate Search Results" : "Not_Stale".
- Update Case Risk Scores flow no longer times out if a large number of findings are in a Vulnerability Case.
- Vulnerability Finding max results no longer constrained at 1000 Vulnerability Findings for purposes of calculating Vulnerability Asset Max Finding Score and Open Vulnerability

4.5.3.5. Swimlane Vulnerability Response Management Release 25.0.2

This **Swimlane Vulnerability Response Management Release 25.0.2** release includes enhancements, optimizations, and bug fixes to improve the efficiency and accuracy of the Vulnerability Response Management solution.

New Features and Enhancements

- **Ingestion Batching:** The Vulnerability Response Management solution now has the ability to ingest scan results in paginated batches, reducing the risk of timeouts on larger ingestions and ensuring a more even flow of ingested Vulnerability Findings into the system.

Addressed Issues

- **Group Generation Fix:** Resolved an issue where findings ingested between 23:00 and 00:00 UTC daily might not be included in automatically generated groups.

4.5.3.6. Swimlane Vulnerability Response Management Release 25.0.1

This **Swimlane Vulnerability Response Management Release 25.0.1** release includes enhancements, optimizations, and bug fixes to improve the efficiency and accuracy of the Vulnerability Response Management solution.

New Features and Enhancements

- **Editable Remediation Advice for ITSM Tickets:** Added a checkbox to the **Vulnerability Remediation Fields** allowing users to edit remediation advice before creating ITSM tickets. This enhancement provides greater flexibility and control over remediation guidance.
- **Optimized Enrichment Pipeline:** Improvements have been made to the enrichment

4.7.2. Swimlane Content Release 2024.2.0

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: They are now updated for Canvas and renamed to SOC Solutions Bundle and Collaboration Extension.

4.7.2.1. Whats New in Swimlane Content 2024.2.0

Hero AI

Hero AI has two new features available with the Swimlane Content 2024 Release 2. Case Summarization and Recommended Actions are included in the Case and Incident Management application, providing plain-text summaries and suggested remediation and mitigation actions. Crafted AI Prompts, which let users create their own custom prompts, are available as a solution extension. These new features take advantage of the Swimlane LLM to offer powerful new automation capabilities while securely and privately handling sensitive data.

SOC Solutions Bundle

We have converted the SOC Solution to work with Turbine Canvas. Functionally, the solution is essentially the same, but it takes advantage of advanced Canvas features such as Interfaces. We have renamed playbooks and components and added descriptions to make the workflow easier to understand. Note that the solution is now named and packaged as the SOC Solutions Bundle.

Collaboration Extension

As with the SOC Solutions Bundle, we have converted the Collaboration Solution to work with Turbine Canvas under the new name of the Collaboration Extension.

4.7.3. Prior Releases

Turbine Content March 2024 Release Drop 2

March 22, 2024

In this release, Swimlane is updating the SOC Solution to version 1.2.6. This version:

- Allows the SOC Solution to install properly in tenants that previously may have experienced an issue due to a correlation field.
- Includes the following updated VICs in the SOC Solution so that the Threat Intel playbooks continue to work when the assets are not configured correctly:
 - GetEnrichment from IPQualityScore
 - Get Enrichment from URLHaus
 - Get Enrichment from VirusTotal

Turbine Content March 2024 Release Drop 1

March 15, 2024

In this release, Swimlane is updating the SOC Solution to version 1.2.5. This version includes the following fixes

- Missing Threat Intel record trigger added to the Threat Intel Enrich Observable playbook.
- An input corrected in the Run Observable Enrichments script

Known Issue:

- Correlation fields installed via SSP will not correlate. They must be re-created after installation.

Turbine Content March 2024 Release

March 11, 2024

In this release, Swimlane is updating the SOC Solution to version 1.2.4. This version fixes the following bugs in SOC Solution v1.2.3

- Threat Intell is failing to complete when the Extended_value is set to null.