



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 26.3.0 Release
The latest Turbine On-Prem release	Turbine On-Prem 26.2.3 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

2.2.3. Turbine Cloud 26.2.0 Release

Turbine 26.2 delivers significant enhancements in automation development and platform management.

The release introduces powerful new Hero AI capabilities that make AI-powered automation more transparent and flexible. It adds detailed Hero AI usage and credits dashboards for better visibility and cost management, enhances the Playbook Generator with guided prompts and progress updates, enables AI-assisted widget creation directly within the application builder, and gives administrators greater control by allowing AI model selection for Hero AI native actions.

The release also improves solution deployment through enhanced import/export capabilities for application records. Developer productivity gains include a redesigned Transform Data native action, configurable payload handling for webhooks and HTTP actions, Canvas annotations, and numerous Canvas usability improvements.

Overall, Turbine **26.2.0** enhancements make Turbine more accessible, more intelligent, and easier to use day-to-day, helping teams deliver automation faster, onboard new users more quickly, and spend less time navigating the platform and more time driving operational outcomes.

Explore This Release?

Take an interactive tour of the key features in Turbinr 26.2 with the guided walk through below:



What's New in Swimlane 26.2

Your field guide to the features that matter most — for builders, admins, and power users.

What's New in This Release?

Action Required: SAML Signing Certificates Required Beginning in Swimlane 26.3.0

Starting with Swimlane **26.3.0**, all SAML SSO configurations must include a valid **Identity Provider**

2.4.1.2. Turbine Cloud 26.0.2 Release

April 07, 2026

This release addresses issues identified in previous versions and includes fixes across dashboards to improve filter consistency and data flow between dashboards, reports, and downloaded outputs.

Addressed Issues

Dashboards and Reports

- Fixed cases where **card-level date filters**, **dashboard-level filters**, or **report-level filters** were sometimes **ignored** or applied in the **wrong order**, which caused **dashboards**, **previews**, **downloads**, and **scheduled outputs** to disagree.

This update introduces a **standardized filter framework** that delivers:

- **Consistent application** of **global**, **dashboard-level**, **card-level**, and **report-level** filters across **all views and outputs**
- **Correct evaluation order** so filters apply predictably during **data load** and **refresh**, without timing-related mismatches
- **Aligned behavior** between **Schedules and Settings** and **Quick Share / downloads**, so saved schedules and ad hoc exports follow the same rules

Dashboards, reports, previews, downloads, and scheduled email now reflect the **same configured filters** with **consistent, accurate data**.

- **Downloaded Dashboard and Report Links Redirect to Invalid Pages:** Fixed an issue where navigation links included in downloaded dashboards and reports redirected users to a blank page or "Page Not Found" error. This was caused by incorrect URL structures generated during download and sharing workflows. The link generation logic has been updated to ensure all links correctly direct users to the intended dashboard or report within the platform.

Known Issues

- **Drill-in with OR filters:** If a report's saved filters use **OR** between conditions, drill-in from a dashboard chart may not preserve every filter the same way as the dashboard view. **AND** filters and reports without extra preconfigured filters are more reliable. See [Drill-in](#) in the user guide.
- **Dynamic card layout:** Changing the date range or loading more data can change card height and reflow neighbors; a card may briefly show **No data to display** until you refresh the dashboard, resize a card, or reload the page. See [Dashboard Behavior and Limitations](#) and [Dashboard Card Operations](#).
- **Pie grid preview vs download:** The UI may round percentages for display; downloaded or exported files may show more decimal places. Percentages can differ slightly even when the underlying data matches. See [Pie Charts – Pie Charts – Pie grid..](#)

2.4.1.3. Turbine Cloud 26.0.1 Release

2.5.2.2. Addressed Issues

Canvas

- **Improved Handling of File Fields from Python Action**

Previously, when playbook schemas were retrieved via an HTTP action and passed into a Python action, an error occurred if a file was defined as an object in the schema. The issue has been resolved and Python actions now work correctly with file fields in playbook schemas.

- **Improved Error Messaging for Python Action Outputs**

When a Python action produces outputs that aren't JSON serializable, the platform now provides a clearer error message. This update replaces the previous generic "JSON serialization error" with a more descriptive message explaining that Python action outputs must be JSON serializable.

- Fixed an issue where data was not accessible from parallel actions nested within other parallel actions

Applications and Dashboards

- Fixed an issue in Application Workflows where configuring a condition with a User/Group field caused selected values to disappear after saving.

The workflow editor now correctly retains selected users and groups, ensuring values persist after save actions when defining workflow conditions.

- Fixed an issue where the Application History endpoint could fail when returning large responses due to missing pagination.

The endpoint is now paginated to prevent memory overloads and improve performance when retrieving applications with extensive revision histories.

- Fixed an issue where special characters such as "&" were incorrectly displayed as their HTML entity equivalents (for example, &) in dashboard reports. With this fix, all special characters—such as ampersands and commas—now render correctly across all dashboard and report views.

- Fixed an issue where the date picker tooltip displayed the same value for both the start and end dates after a page refresh.

- Fixed an issue where the first navigation attempt to dashboards across tenants sometimes displayed a "System Error Occurred" message due to failed statistics calls.

- Fixed an issue where selecting a relative date range (such as "This Week" or "This Month") multiple times in the date picker converted it into a fixed timestamp, causing the same start and end dates to appear. The relative date range now remains consistent, ensuring that filters like "This Month" continue to function dynamically as intended.

- Fixed an issue where the selected date range in the calendar was not retained after a page refresh. The highlighted range now correctly remains visible as long as the start and end date values are still present.

- Fixed an issue where custom relative date ranges were not consistently supporting all documented time units and syntax, causing valid expressions (for example, now-5d to now+5d) to return invalid results. The filter now correctly evaluates all supported time units —

2.5.3.5. Turbine Cloud 25.3.5 Release

October 27, 2025

Turbine 25.3.5 addresses an issue in record updates that was identified in version 25.3.3.

Record Update Issue with Global Record Patching Enabled – Resolved an issue where saving a record multiple times in the UI could incorrectly include unchanged field values from previous saves. Records are now correctly updated after each save, preventing unnecessary additions to subsequent saves and ensuring cleaner, more accurate record patches.

2.5.3.6. Turbine Cloud 25.3.4 Release

October 16, 2025

Turbine Cloud 25.3.4 is the same as version 25.3.3 plus a critical security fix addressing a security vulnerability to enhance platform security.

Version 25.3.4 was deployed only to USN and US regions; all other regions are on version 25.3.3.

2.5.3.7. Turbine Cloud 25.3.3 Release

October 13, 2025

Turbine 25.3.3 introduces key import enhancements and addresses issues found in earlier releases.

Enhancements

SSP Import/Export :

- **Import Playbooks in Enabled State** – A new toggle option, *Import playbooks in enabled state*, has been added at the start of the Import/Publish process. By default, playbooks are imported in a disabled state, but users can now choose to enable them during import. This provides greater control and eliminates the need to enable playbooks only after the import is complete, making it easier to manage playbooks seamlessly in production.
- **Preserve Webhook Credentials on Re-Import** – Enhanced playbook import behavior to prevent webhook authentication details from being overwritten when re-importing into a tenant. Users can now re-import playbooks without losing existing webhook credentials.

CSV Import Native Action

- **CSV Import for List and Reference Fields** – Added support for importing fields of type **List** and **Reference** in the CSV import dialog. Users can now map these field types when importing CSV data, ensuring single- and multi-select values are properly imported. Reference fields are imported as record tracking IDs.

2.5.5. Turbine Cloud 25.1.0 Release

May 22, 2025

Turbine 25.1.0 introduces powerful new features and enhancements that elevate platform usability, intelligence, efficiency, and performance. These updates reinforce Swimlane's commitment to continuous innovation and scalable automation.

Key Highlights

One of the key highlights of the release is the new **Orchestration Insights Dashboard** further enhances operational visibility by surfacing Playbook failures, timeouts, and infinite loops, with proactive **email notifications** and direct access to Orchestration Insights Page with playbook runs for faster resolution.

The release also introduces **one-click Sensitive Data Handling in Canvas**, allowing sensitive inputs and outputs to be securely masked across the platform supporting compliance, audit readiness, and improved data privacy.

This release boosts Orchestrator productivity with a new **Record Export Action** and enhanced **pagination** support in the existing Search Record action, enabling efficient data retrieval, reduced system load, and greater control and precision when working with large record sets.

Additional upgrades to the **Content Library** include native support for GitLab repositories and persistent Git storage, improving sync reliability and performance.

The release enhances **Hero AI Companion** with new capabilities that allow users to rate responses, provide optional feedback, and copy AI-generated outputs improving usability and helping refine AI interactions over time.

Enhanced **Usage Dashboard** in this release provide more granular insights into platform activity, including metrics for average AI prompts and events per day, enabling teams to better monitor and optimize automation performance.

This release marks a key step in Swimlane's mission to deliver an intelligent, secure, and scalable automation platform that meets the dynamic and evolving needs of modern enterprises, reinforcing our focus on enabling long-term customer success.

For more information, see [What is new in this release](#), [Addressed Issues](#), and [Known Issues](#).

2.5.5.1. What's New in This Release

User Management

Standardized IDP Identification via Alias

Identity provider (IDP) identification now uses aliases exclusively.

Support for identifying an IDP using an email address has been removed. For more information, see [Turbine Login and Authentication Methods](#).

2.5.5.10. Turbine Cloud 25.1.5 Release

June 18, 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 *UrlTextFieldFormatError* messages.
- **Record Import from CSV file:** Resolved an issue that caused CSV record imports to fail when Timespan or URL fields contained empty or null values. Imports now complete successfully even when these fields are left blank.
- **Record Updates:** Resolved an issue where record updates did not properly enforce Tracking ID uniqueness, which could result in duplicate records being created under certain race conditions. This has now been corrected to ensure uniqueness is maintained during updates.
- **History Field:** Resolved an issue where the History field would not display correctly when placed on a non-default tab within a record. Previously, the history only appeared after the record was updated, causing confusion. Now, the History field consistently displays as expected regardless of which tab it's placed on.

2.5.6.5. Turbine Cloud 25.0.7 Release

April 01, 2025

This release includes enhancements to existing features and addresses several issues identified in Turbine Cloud 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.

2.5.7.4.3. 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.

2.5.7.5. Turbine Cloud 24.3.5 Release

This release introduces minor enhancements to existing features and resolves an issue identified in Turbine Cloud 24.3.0, delivering a better user experience.

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

2.5.7.5.1. 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.

2.5.7.6. Turbine Cloud 24.3.4 Release

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 Cloud 24.3.0, improving both functionality and user experience.

- For a detailed list of features, see [What is New in this Release](#).
- For list of addressed issues, see [Addressed Issues](#).
- For a comprehensive overview of all features, resolved issues, and known issues in Turbine Cloud 2024 Release 3, see [Turbine Cloud 2024 Release 3](#).

2.5.8.2. Addressed Issues

Login:

- **Case-sensitivity for email addresses:** When email address was updated and user tried to login, case-sensitivity was not accounted for. This is now addressed and the user can login with their updated email address without any case-sensitivity issues.
- **Personal Access Token (PAT) visibility:** Now, the PAT is only displayed within the Turbine UI if the specific user viewing has actively set a PAT. Previously, if a logged-in user has a PAT, the UI might have incorrectly indicated the presence of a PAT for other users they were viewing.

Playbooks:

- **More control over HTTP requests:** User-agent headers can be specified when using the "Native HTTP" action.
- **Improved record restrictions:** When trying to restrict records, playbook resulted in a write operation error. Now, playbooks can handle record restrictions more effectively, ensuring only the intended records are processed.
- **Playbook run visibility:** The Playbook Runs page now displays data and filters runs based on the selected timeframe.
- **Import/export enhancements:** Import and export actions in Turbine has been improved for native record actions and classic playbooks when using global export.
- **Multiple triggers work together:** Playbooks with multiple record event triggers for the same event will now publish data correctly.

Application Records and Reporting:

- **Sorting and filtering:** Users can sort the dashboard card without having to refresh it and filter dashboards based on a specified timeframe accurately. Also, records now display data according to your time zone.
- **Report access:** Opening a new report in a separate tab did not open the report unless the report is opened in the existing tab. Now, new reports can be opened in a new tab. Also, the order of reports stays the same when adding new columns. Users can now precisely reorder columns within reports. String filed with quotes are now displayed as expected in the report.
- **Search:** Record search was failing when filter contains embedded brackets. Also, when searching for a reference record using the Keyword search, the search dialog appears to load indefinitely until the window is re-sized. Now, user can search without resizing the window.
- **Nested groups:**
- **Charts:** Creating charts after deleting previous ones is seamless. Data is displayed correctly in Linear Gauge Charts.
- **Drill-in filters:** The issue with data mismatch between the chart and the table when using drill-in filters is fixed by no longer saving the drill-in filters to the report definition.

Platform and Performance:

- **Audit logs are cleaner and more informative:** Sensitive information is removed from audit logs, and user-initiated playbook test runs are now tracked. Additionally, missing information

2.5.8.8.1. 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.

2.5.8.8.2. 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.

2.5.8.9. Turbine Cloud 2024 Release 2 Drop 8

August 1, 2024

This update enhances the features to resolve the issues found in Turbine Cloud 2024 Release 2 drop 6.

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

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

2.5.8.9.1. 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.

2.5.8.12.2. Addressed Issues

- **Audit Log:** There was an issue with the Audit Log API where pagination was not functioning correctly. The issue has been resolved. Pagination now works based on the specified page size, ensuring the correct set of records is returned without data duplication. Additionally, the sensitive information from the audit log records has been removed.
- **Native Record Actions:**
 - There was an issue in the native record actions, where the Workflow was not triggering on record update from playbook. This issue has been resolved and now the record update works as expected.
 - Record actions now return a user-friendly error message when an operation times out.
- **Rich text field Mandate:** Previously, it was not possible to set a rich text field as 'Required' from the workflow action. This issue has now been fixed, allowing users to mandate rich text field entries.
- **SSP Import Timeouts:** Previously, there was an issue with SSP imports where large SSPs would fail due to timeouts, resulting in partial imports. This issue has now been resolved, ensuring that SSPs are imported as expected without timeouts.
- **Playbooks Input Mapping:** Previously, there was an issue where users setting up a playbook button inside an application could select a field to map into the playbook input but were unable to apply or save the changes. This issue has been resolved, and now users can successfully apply input mappings.
- **Custom Label Abilities for Connectors:** Added custom label abilities for connectors on Kubernetes agents, enabling users to add labels on all pods in their environment.

2.5.8.13. Turbine Cloud 2024 Release 2 Drop 3

June 13, 2024

For a detailed list of features and known issues included in the Turbine Cloud 2024 release 2, See [Turbine Cloud 2024 Release 2](#).

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

2.5.8.13.1. Addressed Issues

- Fixed an issue in the record action connector where boolean values were not being mapped correctly. The implemented fix now ensures that boolean values (true and false) are automatically mapped to the string values "True" and "False" for selection fields in records.

2.5.8.14. Turbine Cloud 2024 Release 2

3.2. Turbine On-Prem 26.1.x Release

3.2.1. 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.

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 can access and perform, while supporting enterprise and multi-tenant environments.

With Multi-Tenant Role Assignment, roles can now be assigned across multiple tenants, enabling consistent access policies across large-scale deployments such as enterprises and MSSPs. This reduces duplication of effort and ensures that access rules remain aligned across environments.

Role Duplication allows administrators to quickly clone existing roles and reuse their configurations. This simplifies role management, reduces setup time, and makes it easier to create new roles based on proven access patterns.

A key change in this release is Explicit Orchestrator Access, where orchestrators no longer receive default system access. Instead, all access must now be explicitly granted through role assignments, ensuring tighter security and clearer control over system permissions.

The release also introduces Fine-Grained Analyst Access, enabling administrators to grant analysts access to specific applications while restricting access to others. This allows organizations to enforce least-privilege principles more effectively while still supporting flexible operational needs.

With Cross-Tenant Analyst Operation, analysts can now be granted the ability to work across

3.3.1.3. Turbine On-Prem 26.0.2 Release

April 08, 2026

This release addresses issues identified in previous versions and includes fixes across dashboards to improve filter consistency and data flow between dashboards, reports, and downloaded outputs.

Addressed Issues

Dashboards and Reports

- Fixed cases where **card-level date filters**, **dashboard-level filters**, or **report-level filters** were sometimes **ignored** or applied in the **wrong order**, which caused **dashboards**, **previews**, **downloads**, and **scheduled outputs** to disagree.

This update introduces a **standardized filter framework** that delivers:

- Consistent application** of **global**, **dashboard-level**, **card-level**, and **report-level** filters across **all views and outputs**
- Correct evaluation order** so filters apply predictably during **data load** and **refresh**, without timing-related mismatches
- Aligned behavior** between **Schedules and Settings** and **Quick Share / downloads**, so saved schedules and ad hoc exports follow the same rules

Dashboards, reports, previews, downloads, and scheduled email now reflect the **same configured filters** with **consistent, accurate data**.

- Downloaded Dashboard and Report Links Redirect to Invalid Pages:** Fixed an issue where navigation links included in downloaded dashboards and reports redirected users to a blank page or "Page Not Found" error. This was caused by incorrect URL structures generated during download and sharing workflows. The link generation logic has been updated to ensure all links correctly direct users to the intended dashboard or report within the platform.

Known Issues

- Drill-in with OR filters:** If a report's saved filters use **OR** between conditions, drill-in from a dashboard chart may not preserve every filter the same way as the dashboard view. **AND** filters and reports without extra preconfigured filters are more reliable. See [Drill-in](#) in the user guide.
- Dynamic card layout:** Changing the date range or loading more data can change card height and reflow neighbors; a card may briefly show **No data to display** until you refresh the dashboard, resize a card, or reload the page. See [Dashboard Behavior and Limitations](#) and [Dashboard Card Operations](#).
- Pie grid preview vs download:** The UI may round percentages for display; downloaded or exported files may show more decimal places. Percentages can differ slightly even when the underlying data matches. See [Pie Charts – Pie Charts – Pie grid.](#)

3.3.1.4. Turbine On-Prem 26.0.1 Release

3.4.2.2. Addressed Issues

Canvas

- **Improved Handling of File Fields from Python Action**

Previously, when playbook schemas were retrieved via an HTTP action and passed into a Python action, an error occurred if a file was defined as an object in the schema. The issue has been resolved and Python actions now work correctly with file fields in playbook schemas.

- **Improved Error Messaging for Python Action Outputs**

When a Python action produces outputs that aren't JSON serializable, the platform now provides a clearer error message. This update replaces the previous generic "JSON serialization error" with a more descriptive message explaining that Python action outputs must be JSON serializable.

- Fixed an issue where data was not accessible from parallel actions nested within other parallel actions

Applications and Dashboards

- Fixed an issue in Application Workflows where configuring a condition with a User/Group field caused selected values to disappear after saving.

The workflow editor now correctly retains selected users and groups, ensuring values persist after save actions when defining workflow conditions.

- Fixed an issue where the Application History endpoint could fail when returning large responses due to missing pagination.

The endpoint is now paginated to prevent memory overloads and improve performance when retrieving applications with extensive revision histories.

- Fixed an issue where special characters such as "&" were incorrectly displayed as their HTML entity equivalents (for example, &) in dashboard reports. With this fix, all special characters—such as ampersands and commas—now render correctly across all dashboard and report views.

- Fixed an issue where the date picker tooltip displayed the same value for both the start and end dates after a page refresh.

- Fixed an issue where the first navigation attempt to dashboards across tenants sometimes displayed a "System Error Occurred" message due to failed statistics calls.

- Fixed an issue where selecting a relative date range (such as "This Week" or "This Month") multiple times in the date picker converted it into a fixed timestamp, causing the same start and end dates to appear. The relative date range now remains consistent, ensuring that filters like "This Month" continue to function dynamically as intended.

- Fixed an issue where the selected date range in the calendar was not retained after a page refresh. The highlighted range now correctly remains visible as long as the start and end date values are still present.

- Fixed an issue where custom relative date ranges were not consistently supporting all documented time units and syntax, causing valid expressions (for example, now-5d to now+5d) to return invalid results. The filter now correctly evaluates all supported time units —

3.4.4. Turbine On-Prem 25.2.1 Release

July 31, 2025

Turbine On-Prem version 25.2.1 includes:

- All **Hero AI enhancements and other updates** that were introduced in version Turbine Cloud 25.2.0
- A **bug fix** that was originally delivered in version 25.1.10

For more details, you can review the [25.2.0 Release Notes](#) and [25.1.10 Release Notes](#).

3.4.5. Turbine On-Prem 25.1.2 Release

June 5, 2025

Turbine On-Prem 25.1.2 introduces powerful new features and enhancements that elevate platform usability, intelligence, efficiency, and performance. These updates reinforce Swimlane's commitment to continuous innovation and scalable automation.

Key Highlights

One of the key highlights of the release is the new **Orchestration Insights Dashboard** further enhances operational visibility by surfacing Playbook failures, timeouts, and infinite loops, with proactive **email notifications** and direct access to Orchestration Insights Page with playbook runs for faster resolution.

The release also introduces **one-click Sensitive Data Handling in Canvas**, allowing sensitive inputs and outputs to be securely masked across the platform supporting compliance, audit readiness, and improved data privacy.

This release boosts Orchestrator productivity with a new **Record Export Action** and enhanced **pagination** support in the existing Search Record action, enabling efficient data retrieval, reduced system load, and greater control and precision when working with large record sets.

Additional upgrades to the **Content Library** include native support for GitLab repositories and persistent Git storage, improving sync reliability and performance.

The release enhances **Hero AI Companion** with new capabilities that allow users to rate responses, provide optional feedback, and copy AI-generated outputs improving usability and helping refine AI interactions over time.

Enhanced **Usage Dashboard** in this release provide more granular insights into platform activity, including metrics for average AI prompts and events per day, enabling teams to better monitor and optimize automation performance.

This release marks a key step in Swimlane's mission to deliver an intelligent, secure, and scalable automation platform that meets the dynamic and evolving needs of modern enterprises, reinforcing our focus on enabling long-term customer success.

For more information, see [What is new in this release](#), [Addressed Issues](#), and [Known Issues](#).

3.4.6. Turbine On-Prem 25.0.4 Release

Feb 27, 2025

Turbine On-Prem 25.0.4 Release introduces groundbreaking features and enhancements that elevate platform efficiency, intelligence, and usability, reaffirming Swimlane's commitment to innovation.

Key Feature Highlights

One of the key highlights is the all-new **Hero AI Companion**. This innovative chat is designed to empower analysts by searching records, providing actionable insights, and significantly reducing the time needed to investigate and close cases. Hero AI's context-aware capabilities allow it to summarize cases, retrieve essential data like CVE information, and suggest actionable next steps. With customizable access controls and seamless integration across Turbine Cloud and On-Premises deployments, Hero AI ensures top-tier security and compliance while bringing Swimlane's vision of AI-powered human expertise augmentation closer to reality. This intelligent assistant drives measurable improvements in time to value, operational efficiency, and decision-making.

The release also introduces the **Configuration Manager**, a new user interface that centralizes asset management for multi-tenant users. Its intuitive design and features accelerate cross tenant asset configurations.

This release boosts orchestrator productivity with new features, including **While loops**, **Native Actions like Emit, Get Rows, Swimlane Intelligence**, and the **Flow Event Trigger**. These enhancements enable efficient processing of large datasets, dynamic event-driven automation, and streamlined handling of large data ingestions.

The enhanced **Usage Metric Dashboard** offers advanced playbook metrics, tenant-specific filtering, and Hero AI prompt tracking, providing enhanced visibility into systems and workflows.

This release marks a key step in Swimlane's mission to deliver advanced automation, intuitive usability, and actionable insights, driving customer success.

For more information, see [What is new in this release](#), [Addressed Issues](#), and [Known Issues](#).

3.4.6.1. What is New in This Release

New Features

Hero AI Companion

- A groundbreaking feature that brings AI-powered automation to case investigations and incident management.
- Offers context-aware insights, such as case summaries, CVE information retrieval, and actionable recommendations.
- Enables analysts to query across applications and historical records, helping identify patterns, vulnerabilities, and next steps.

3.4.7.2. Addressed Issues

Audit Log:

- **Source IP Format Issue:** Resolved an issue where the Source IP field in the audit logs was not always displayed in the required format. This ensures consistency in log details for better tracking and analysis.
- **Duplicate Logs and Enrichment:** Addressed issues with duplicate entries in the audit logs and enriched the logs with more detailed information, providing enhanced visibility into user activities and system events.

Username Changes Not Persisting in Admin Panel: Previously, when attempting to change usernames in the admin panel, the changes did not persist even though a notice indicated the user had been updated. This issue has been resolved in the latest release, ensuring that username changes now persist as expected.

Users, Roles, and Groups:

- **Group Assignment for New Users:** Fixed an issue where available groups were not displayed in the dropdown when assigning groups to new users, requiring manual search. The update ensures that available groups are now listed in the dropdown for easy selection, along with improved search capabilities and enhanced UI functionality.
- **User Permissions for Personal Dashboards and Reports:** Addressed an issue where user permissions for creating personal dashboards and reports were not being enforced correctly. Now, users can create personal dashboards and reports only if their role allows it, and account administrators without the necessary permissions cannot save personal reports.

Application Records and Reports:

- **Field Persistence in Report Charts:** Fixed an issue where changes made to numeric or date fields using the "Edit Dimension" or "Edit Measure" options were not retained after saving or refreshing the report. Now, changes persist as expected, allowing for a more consistent reporting experience.
- **Tooltip Display:** Corrected an issue where tooltips in report cells displayed the encoded representation of attribute values instead of the decoded format. Tooltips now correctly render the decoded representation, making information more readable.
- **Retaining Report Layout Modifications:** Resolved a problem where resizing columns or rearranging sections in a report was not retained upon saving. This ensures that all modifications are saved successfully and preserved across sessions.
- **Record Hover Functionality:** Resolved an issue that prevented users from successfully hovering over records to view details. This functionality now works as intended, enhancing the overall user experience.
- **Record Layout Display for Restricted Fields:** A bug causing the record layout to appear broken when users were restricted from viewing certain fields has been fixed. The Record view now loads layouts correctly for users with field-specific permissions. Fields that users are not authorized to view will be hidden without affecting the overall layout structure. Authorized users retain the ability to view all fields in a record.
- **Real-Time Record Updates for Non-Admin Users:** Fixed an issue where non-admin users

3.4.7.6.2. Addressed Issues

- **SSO Login:**
 - Fixed an issue where, when a reverse proxy was configured in the Identity Provider, users were still being redirected to the Swimlane URL during SSO login. This has been resolved, and users can now log in correctly when a reverse proxy is set up.
- **Groups:**
 - All groups are now added to the user/groups field in the application, allowing users to search for groups without needing to update settings. Users can still choose to restrict groups, but by default, access is provided to all groups.
 - Resolved an issue where assigning one group to another occasionally failed.
- **Usage Metrics Dashboard:**
 - The issue in the **Events** Dashboard, where the **Triggered Playbooks** column was incorrectly displaying the number of events instead of the actual count of triggered playbooks, has been resolved. The column now accurately reflects the correct number of triggered playbooks.
- **Content Library:**
 - Content Package Title Validation: UI validation has been added to check for invalid characters and duplicate names in content package titles. Users are now prompted to correct these issues before publishing content to the Turbine Library.
 - General Improvements: A series of UI enhancements have been made to ensure a consistent experience, along with backend updates to reduce latency in certain API calls related to the Turbine Library Git integration feature.
- **Records:**
 - Resolved inefficiencies in record update notifications.
 - Fixed an issue where duplicate reference records prevented successful record updates.
 - Record deep linking now functions correctly within iframes.
 - Users can now be searched by username, first name, last name, display name, and email in the Admin panel, and also in the condition builder when creating application records.
- **Audit Logging:**
 - Audit logs now correctly return only logs for the specified tenant and account-level audit logs for the tenant's account.
 - Fixed an error that some customers encountered when retrieving audit logs via the audit log API endpoint.
- **Remote Agent:**
 - Corrected an issue where some connector actions failed when an agent was shutting down and the necessary image was not already present on the agent.
 - Fixed an issue with agent updates where multiple agents on the same machine could cause updates to fail.
 - Resolved an issue where remote agents did not recover properly from network disconnects.

3.4.8.5.1. Addressed Issues

Previously, loading a playbook would fetch all custom schemas in the system for a tenant, resulting in a large number of network requests and potential performance issues. With this update, only the schemas required for a given playbook are fetched upon playbook load. This will significantly enhance performance by reducing unnecessary network requests.

3.4.8.5.2. Known Issues

- **Classic Playbook : Calling sub-playbooks as Actions.**
- There is a potential race condition when a user selects a sub playbook as an action. An API request is made to retrieve the playbook data and if the user opens the configuration dialog before the data has been fully loaded, the inputs and outputs will not be visible. As a workaround, users need to close and reopen the dialog to view the inputs and outputs correctly.

3.4.8.6. Turbine On-Prem 2024 Release 2 Drop 5

The Turbine On-Prem 24.2.5 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.

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

3.4.8.6.1. What is New In This Release

SCIM Support:

SCIM integration with Turbine automates the creation, management, and deletion of users and groups. Administrators can now create new users in their Identity Provider (IDP) and automate both the onboarding and offboarding processes through continuous synchronization. This streamlines user management, enhances the user experience, increases operational efficiency, and reduces manual errors for administrators.

We now officially support SCIM integration for Okta and plan to expand to other IDP providers in the future.

3.4.8.6.2. Addressed Issues

- **Audit Log:** There was an issue with the Audit Log API where pagination was not functioning correctly. The issue has been resolved. Pagination now works based on the specified page size, ensuring the correct set of records is returned without data duplication. Additionally, the

4.1.3. AI SOC Solution Release 26.1.0

AI SOC 26.1.0: Stronger Analyst Workflows and Faster Alert Onboarding

AI SOC **26.1.0** includes new capabilities and fixes that improve reliability across case management, threat intelligence, alert ingestion, and routing workflows.

This release strengthens day-to-day analyst work on case records. Playbook run visibility, phishing email preview on signals, and threat intelligence re-query on new signals help teams trace automation, review alert context in the record, and base verdicts on current intelligence rather than stale enrichment.

AI Alert Ingestion is included in the **26.1.0** solution package, with Alert Schema Store, mapping safeguards, and connector onboarding improvements that reduce time to connect new alert sources. **Hero AI** gains richer solution context through descriptions and Visible to Hero AI settings, updated threat intelligence enrichment components improve observable enrichment reliability, and the JSONata Helper agent helps builders create and validate transformation expressions in playbooks and components.

For installation, configuration, and daily operations, see [AI SOC Solution](#).

What's New in This Release

Playbook Run Visibility

Routing and automation are easier to trace on case records:

- The **AI Analysis widget** links playbook run details when a routing playbook runs for subsequent alerts, so you can see what ran and open the run in Operational Health.
- **CASE** records include a **Playbook Run ID** field under routing rule matches, updated by the **AI SOC – Update Playbook Run ID** component in the solution bundle.

Phishing Email Preview in Signal Records

Phishing email ingestion now renders a visual preview of reported email content on signal records. Analysts can review the message in context under **Support** → **Phishing Email Data** without leaving the record.

Threat Intelligence Re-Query on New Signal Records

When a new signal record is created, attached threat intelligence records are re-queried against providers. Observable reputation can change over time; re-querying helps ensure verdicts reflect current intelligence rather than stale cached results.

AI Alert Ingestion Improvements

AI Alert Ingestion is included in the AI SOC 26.1.0 content bundle and includes several enhancements:

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 Count.
- EPSS scores are now rounded to 3 decimal places when returned from Swimlane Intelligence.
- CVSS scores are now rounded to 1 decimal place when returned from Swimlane Intelligence.
- Automated Grouping:
 - Mapping fixes in VRM – Automate Grouping component
 - Changed verbiage from "Automatic Grouping" to "Automated Grouping" as well as "Automatic Grouping and Remediation" to "Automated Grouping and Remediation" in the following locations:
 - Vulnerability Case Management application
 - VRM – Automate Grouping component: Highest Flow Automation block
- VRM – Case Management status now defaults to "Open" for manually created cases.
- Close Ticket button now appears on both "New" and "Open" status in Vulnerability Remediation Item application.
- vulnerability-finding-raw-json field is now enforced as a stringified JSON object

Swimlane Vulnerability

4.5.3.5. 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.

Swimlane Vulnerability

4.5.3.6. 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 pipeline to prevent unnecessary components from ingesting **Swimlane Intelligence** data, leading to better performance and resource utilization.

Addressed Issues

- **Asset ID Population Fix:** Resolved an issue where the primary Asset ID Field in Findings was not populated if the primary Asset ID was not provided to the enrichment flow. This fix ensures more accurate asset tracking within the system.

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.

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

4.7.2.2. New or Updated Connectors

Here is the list of new or updated Turbine Connectors:

Absolute	Armis Centrix Platform integration	AWS CloudWatch	AWS Config
AWS Guard Duty	AWS IAM	BMC Remedy On-demand for Lowes	Box
Centreon	Citrix Sharefile	Claroty Continuous Threat Detection	Cortex xSOAR

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.
- Processing Observables in SOC Solution fails for single observable.
- Signal Display Widget not showing images properly

In addition, the Recorded Future VIC is updated to map a failure to find an observable to the next action.

Turbine Content February 2024 Release Drop 1

February 22, 2024

In this release, Swimlane is updating the SOC Solution to version 1.2.3. This version fixes a bug in