25.3.2 (Merope+)

Added

N/A

Removed

N/A

Fixed

- Fixed a bug in data dump processing removing duplicates

Changed

- Upgraded several core dependencies resolving security notices

25.3.1 (Merope)

Added

- Added in-app notification inbox, emailed notifications, and notfication preference system
- Added change notification subscription features to Stream, Projects, SBOMs, and Vaults
- Extended SBOM information including metadata, component properties, vulnerabilities, and alert annotations.
- Collection metrics for packages, similar in format to analysis metrics.
- Notification preference fixes and project name in stream summaries.
- Hidden `--schema` CLI flag to override default schema selection in `bptctl`
- Added KEV marker in the UI when a vulnerability appears on the CISA Known Exploited Vulnerability list

Removed

N/A

Changed

N/A

Fixed

- Fixed invalid `datetime` to `string` cast and test import errors.
- Fixed broken vault links after UI updates.
- Addressed impact score inserts that were resulting in `NULL` values due to missing arguments.
- Upgraded dependencies like `sea-orm` and `jinja2` to incorporate latest fixes and security improvements.

25.2.2 (Leo+)

Added

- Added database schema stability APIs

25.2.1 (Leo)

Added

- Added SBOM Vault UI functionality
- Added optional sort parameters to allow vaults and SBOMs to be sorted when listed.
- Added functionality to view and update metadata on deleted SBOMs to support "undelete" functionality.
- Added an is_latest flag for LinkedSbomRevision to identify the most recent revision.
- Added subscription status and endpoints for projects, streams, SBOMs, and vaults.
- Added user notification preferences with corresponding endpoints and processing logic for events.
- Added the ability to link streams to SBOMs in the vault so that linked streams updated automatically with new SBOM revisions.
- Added a user mailbox API feature complete with API endpoints and a supporting database migration.

Removed

- Removed the unique constraint on vault names to allow more flexible naming.

Changed

N/A

Fixed

- Fixed the filtering of self-triggered events by addressing missing checks in several locations.
- Fixed linked streams to download the exact revision of stored SBOMs instead of generating a new one.
- Fixed the deletion order by placing the event inside the delete call for proper processing.
- Fixed the SBOM count calculations to correctly account for deletion states.
- Fixed the issue of unreadable vaults appearing in search results to improve access control.
- Fixed soft-deleted vaults so that they remained hidden from the workspace and were purged upon update.
- Fixed the HTTP method by using DELETE instead of GET for unmounting a vault to adhere to proper REST semantics.
- Fixed the tag and event generation logic to improve insertion accuracy.
- Fixed the missing subcategory in serialization to ensure complete data output.

25.1.2 (Indus+)

Fixed

- Fixed a bug related to alert scoring against informational alerts

25.1.1 (Indus)

Added

- Added a package health finding filter to the UI
- Added OpenSSF Scores to the package view
- Added a typosquatting indicator to the package view

- Added a generic SMTP gateway configuration for on-prem users
- Added a prometheus metrics endpoint
- Added an API endpoint to get the location distribution of a package, stream, and project
- Added a set of debug commands for SMTP and OAuth2/OIDC configuration for on-prem users

Removed

- Removed restriction on streams having the same root PURL within a project

Changed

- Improved risk score scaling to take into account the number of each trache of alerts in addition to their weights
- Improved the default alert model
- Improved alert model parse errors to provide more details

Fixed

- Fixed Swagger schema discrepancies
- Fixed a bug in database multiple insertion

24.12.2 (Hercules+)

Added

N/A

Removed

N/A

Changed

N/A

Fixed

- Bug in the in-context contributor tile information where alerts were not being rendered

24.12.1 (Hercules)

Added

- Added actions integration with alerts.
- Added "What If" scenario integrations.
- Added integration for the OpenSSF Scorecard data when it is available.
- Added license disclosure to dashboard.
- Added typosquatting detection logic to identify suspicious packages.

Removed

N/A

Changed

N/A

Fixed

- Fixed the derivation of contribution dates by using the Last-Modified header when VCS information is unavailable.
- Fixed various minor OSV module issues, including missing `aliases` and incorporating EPSS data in vulnerability enrichment.
- Fixed alert model validation issues at startup by disabling rules that fail validation and providing variable name suggestions.

24.11.2 (Gemini+)

This release contains minor bugfixes.

24.11.1 (Gemini)

Added

- **Annotations**: Introduced contributor annotations
- **SPDX Format Support**: Implemented support for SPDX JSON, XML, and YAML formats, integrated into SBOM parsing.
- **Task Prioritization**: Added task priority handling and concurrency configuration for processing tasks.
- **Swagger UI Enhancements**: Integrated locally-embedded Swagger UI files and added cookie-based authentication for persistent sessions.
- **Actions**: Introduced a preview feature for package actions for tracked packages in streams

Removed

- **State Database**: Eliminated the state database, replacing it with specialized in-memory managers

Changed

- **Background Writes**: Switched to a serial background writer to avoid concurrency issues.
- **Database Connection Optimization**: Limited concurrent futures to avoid database connection timeouts.
- **Alert Task Refactor**: Optimized alert task structure to reduce redundancy and enhance performance.

Fixed

- **Database Busy Errors**: Added retry logic with exponential backoff for concurrent writes.
- **Package Submissions**: Corrected JSON object handling for package submissions.
- **Numeric Window Handling**: Addressed edge cases where a zero-length window size caused errors.
- **Data Dumps**: Consolidated migration changes to ensure compatibility with future data dumps.

24.10.2 (Fang+)

Fang+ brings several feature upgrades, bug fixes, and UI improvements.

Added

- Added support for alerting on newer version availability for packages in index
- Added secrets scanning in the package health findings pipeline
- Added `X-Task-ID` header to the package add result API for ad-hoc add/removes

Changed

- Improved PURL matching for RPMs
- Improved incremental DB imports by reducing expression count
- Improved SBOM import PURL matching to prefer higher specificity PURLs

Fixed

N/A

Removed

N/A

24.10.1 (Fang)

Fang brings several feature upgrades, bug fixes, and UI improvements.

Added

- Added stream locking UI support
- Added support for Rocky Linux, Alpine Linux, Golang, Ruby Gems
- Added support for compressed data updates
- Added UI support to view count of queued packages
- Added contributor behavior to alertable conditions
- Added indication of failed alert model processing in Stream view
- Added fuzzy set matching conditions in alert model parser
- Added new UI states for queued packages; states exist for Queued, Submitted, Submission Failed, and Monitoring states
- Added new API data entry to see submission failure message when queued package fails
- Added incremental data updates

Changed

- Improved SBOM upload processing
- Improved widget metrics load time
- Improved declared license detection
- Improved Cargo ecosystem coverage by creating a fallback mechanism
- Improved CPE matching
- Improved license histogram calculation using memoized cache
- Improved alert model overriding behavior and implement UI element to show model revision
- Various UI/UX improvements

Fixed

- Unknown countries in widget data issue
- Duplicated CWE ID in Package Health Findings
- Fixed Alert Model override bug
- Fixed stream page invalid key id bug
- Fixed a bug in processing git repos where ref name matches a file in the repo
- Fixed a bug in the `package.health_findings.*` alert key prefix

Removed

N/A

24.9.2 (Electra+)

Please see release notes included with your installation for full details.

Electra+ brings several feature upgrades, bug fixes, and UI improvements.

24.9.1 (Electra)

Please see release notes included with your installation for full details.

SBOM Dependency Graph View

In the Package tile of a Stream, a toggle is now available to switch between showing only the top-level dependencies for the Stream, or the entire graph. When the graph view is enabled, the list annotates the sub-dependencies with an icon, and provides the user with a dropdown area with more information on the relationships between the selected component and its parents/children.

Background Task Cards

Persistent background task cards have been added so users can navigate around the UI while tasks occur in the background on their behalf. Uploading and downloading SBOMs, generating reports, updating alerts, and other tasks can now be kicked off and run to completion while users continue to navigate to other Packages, Streams, or Projects.

Workspace-Specific Insights

Workspace insights are now specific to a user's open projects inside their workspace.

24.4.4 (Diadem)

Alert Model Editor

- Added an editor that supports auto-completion of keys and validates the Alert Model before it is saved.

Documentation

- Added an application note documenting the process of configuring nginx to provide an HTTPS front-end for Bulletproof Trust.
- Added an installation quick start guide.

CI Workflow Agent (`bpt-agent`)

- Added `bpt-agent`, a continuous integration workflow agent to allow dynamically creating streams, updating SBOMs, and downloading reports.

Account Management

- Added the current user login and the user realm to the account management panel.

UI Enhancements

- Added links in the UI to the API Playground, Documentation, What's New, Send Feedback, and Get Support.

API Enhancements

- Added a `GET /api/task` route that allows the user to query tasks that they created.
- Added a **`package`**`.license.mismatched` boolean condition for the alert model.
- Added machine-readable report and text templating report support to the API and workflow agent.

Activity Log

- Added an activity log event when the alert model is modified.

Stream Enhancements

- Added the ability to see which packages in a stream are affected by a banned contributor.
- Added a method of converting a queued package to a custom package.

24.4.2 (Bellatrix)

First release of Bulletproof Trust Bellatrix's User Guide. The Bulletproof Trust Bellatrix Release introduces several new features, enhancements, bug fixes, and codebase improvements.

Features

- **Alert Model Editor**: Supports auto-completion of keys and validates the Alert Model before saving.

- **Documentation**: Added an application note for configuring nginx as an HTTPS front-end, installation quick start guide, and links to API Playground, Documentation, What's New, Send Feedback, and Get Support in the UI.
- **CI Workflow Agent (`bpt-agent`)**: Allows dynamic stream creation, SBOM updates, and report downloads.
- **Account Management**: Displays current user login and realm.
- **API Enhancements**:

    - Added `GET /api/task` route to query user-created tasks.
    - Machine-readable report and text templating report support in the API and workflow agent.
    - Added `package`.`license`.`mismatched` boolean condition for the alert model.

- **Activity Log**: Logs events when the alert model is modified.
- **Stream Enhancements**: Ability to see packages affected by a banned contributor and convert a queued package to a custom package.

Full SBOM Management

Creating and managing SBOMs is now extremely robust, aligning you with EO14028, the SSDF, NIST requirements, and CISAs Secure Software Attestation Form. You can now efficiently manage multiple SBOMs per project through the UI and the API, even if your SBOM has proprietary packages.

Introducing Project "Streams"

Our new "Streams" functionality allows you to proactively monitor threat intelligence for various branches, versions, and test environments within a Project. Using the new Streams functionality you can now directly integrate into your CI/CD environment such as Jenkins, GitLab CI/CD, or Sonatype Nexus Repository. What's more, Streams can track differences in features, versions, bug fixes, and other development branches where automation and scalability are crucial. Compare the risk results to baseline and release Streams allowing for pass/fail decisions to be made at the developer level.

Workspace View

The organized Workspace view helps you clearly visualize and assess the risks in each Project and Stream, ensuring you can identify and mitigate new threats before deployment.

Workspace, Project, and Streams Insights

You can now see at-a-glance insights into the health and status of your project with our Insights view. These insights are even rolled up for every project you manage into your Workspace allowing you to easily visualize issues and manage multiple projects in a larger program.

Sharing and Permissions Management

Manage users in your Projects. Share your Project with others. Give those users access to read, create, update, and delete.

Alert Triaging and Management

You can now alert on vulnerabilities, package health findings, and even create fine-grained combinations of various alert types. This significantly reduces false positives, showing you only what risks and threats and issues and concerns you care about. Organize alerts by state, level, or search for alerts you want to investigate further. Finally, you can now dismiss alerts (with a logged comment about why) to help your project "get to green."

Events Log

Want to know why important threats were dismissed? There's an event log for that. The type of event is captured along with a unique ID, the user who performed the event, and their message.

Contributor to Other Package Mapping Endpoint

We can now deploy with a single binary (.rpm or .deb package) for on-site connected or air-gapped installations. Installation is no longer requirements you to deploy and manage a container or a VM (unless you want to).

23.10.0027 (Andromeda)

Update to Bulletproof Trust Andromeda's User Guide to add sections for available Alert Model configuration keys and example configuration TOML files.

23.09.0013 (Andromeda)

Update to Bulletproof Trust Andromeda's User Guide to add a section describing the `tools` subpath of the API and providing examples on its interaction.

23.07.0025 (Andromeda)

Initial release of Bulletproof Trust Andromeda's User Guide. Includes major UI feature descriptions and basic API usage guidance.