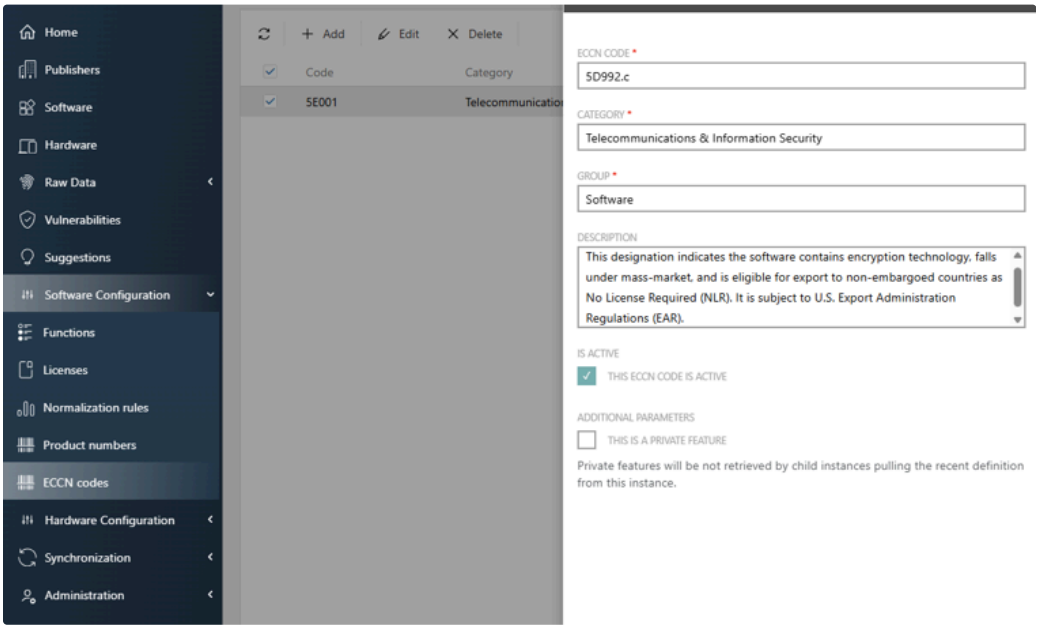
Raynet One Technology Catalog 2025.4

25.4.4191.133 [Update 2]

Released on Feb 16, 2026

Export Control Classification Number (ECCN) Support RCAT-727

Raynet One Technology Catalog now supports Export Control Classification Numbers (ECCN) for software products and versions, helping our customers comply with international trade regulations. This feature allows to track export restrictions on software in inventory by assigning ECCN codes to products and versions, along with official CCATS numbers and regulatory references.



ECCN codes editor

The UI includes a new ECCN browser interface for managing classification codes and automatically includes export control information when software is recognized through fingerprinting. The assigned export control information is also provided by Technology Catalog REST API (software fingerprint recognition).

25.4.4189.132 [Update 1]

Released on Jan 23, 2026

This update focuses on improving system stability, fixing critical issues, and optimizing key workflows identified after the 2025.4 release. The update addresses four key areas: search accuracy, authorization controls, API backward compatibility, and vulnerability management performance.

Improved Global Search Accuracy RCAT-742

Fixed an issue where the Global Search returned irrelevant or incorrect results when users searched for specific application names. The correct application often appeared far down in the results list or did not appear at all, particularly when searching for exact application names.

Key Improvements:

- **Enhanced Search Ranking**: Increased the boost value for the "name" field from 3.0 to 4.0, giving higher priority to exact name matches
- **Optimized Scoring Algorithm**: Adjusted the search boost factor from 1.5 to 1.4 for more accurate result scoring
- **API Cleanup**: Removed unused "fuzzySearching" parameter from the search API
- **Code Modernization**: Removed some deprecated method calls.

These changes ensure that when users search for a specific application by name, the most relevant results appear at the top of the search results, significantly improving the user experience.

Fixed Health Check Authorization Issue RCAT-754

Resolved a critical authorization issue where controller-level authorization attributes were incorrectly overriding method-level permissions. This prevented authenticated non-admin users from accessing certain endpoints, most notably the Health Check endpoint (`[GET] v1/healthcheck`), which returned 403 Forbidden errors despite having method-level authorization allowing any authenticated user.

Resolution:

The authorization policy hierarchy has been corrected by adjusting controller and method-level attributes to ensure proper permission inheritance:

- **Controller-level**: Changed from `SiteAdmins` to `Contributors` policy
- **Basic Health Check** (`/v1/healthcheck`): Now accessible to Contributors

- **Advanced Reports** (`/v1/healthcheck/products` , `/v1/healthcheck/fingerprints` , `/v1/healthcheck/versions`): Restricted to SiteAdmins with explicit method-level authorization

This fix ensures that method-level authorization attributes correctly override controller-level settings, providing the expected access control behavior across all API endpoints.

Ensured Backward Compatibility for Recognition Endpoints RCAT-765

Fixed a critical backward compatibility issue where the v2 recognition endpoint was returning newly added platform types, causing older Raynet One instances to crash during software recognition. After implementing support for new platforms (Android, iOS, ChromeOS, IaaS, IoT/Embedded) in the Technology Catalog, legacy clients could not process these new platform values.

New Platforms Added in 2025.4:

- Android (64)
- iOS (128)
- ChromeOS (256)
- IaaS (32)
- IoT/Embedded (512)

Solution:

Implemented platform filtering logic in the v2 recognition endpoint to sanitize responses for backward compatibility:

- Added a dedicated filter that removes v3 platform flags
- Ensures platform field is not set if all platforms are filtered out
- Prevents older Raynet One instances from receiving unsupported platform values

This change maintains full backward compatibility while allowing the Technology Catalog to leverage the expanded platform support introduced in version 2025.4.

25.4.4180.127 [RTM]

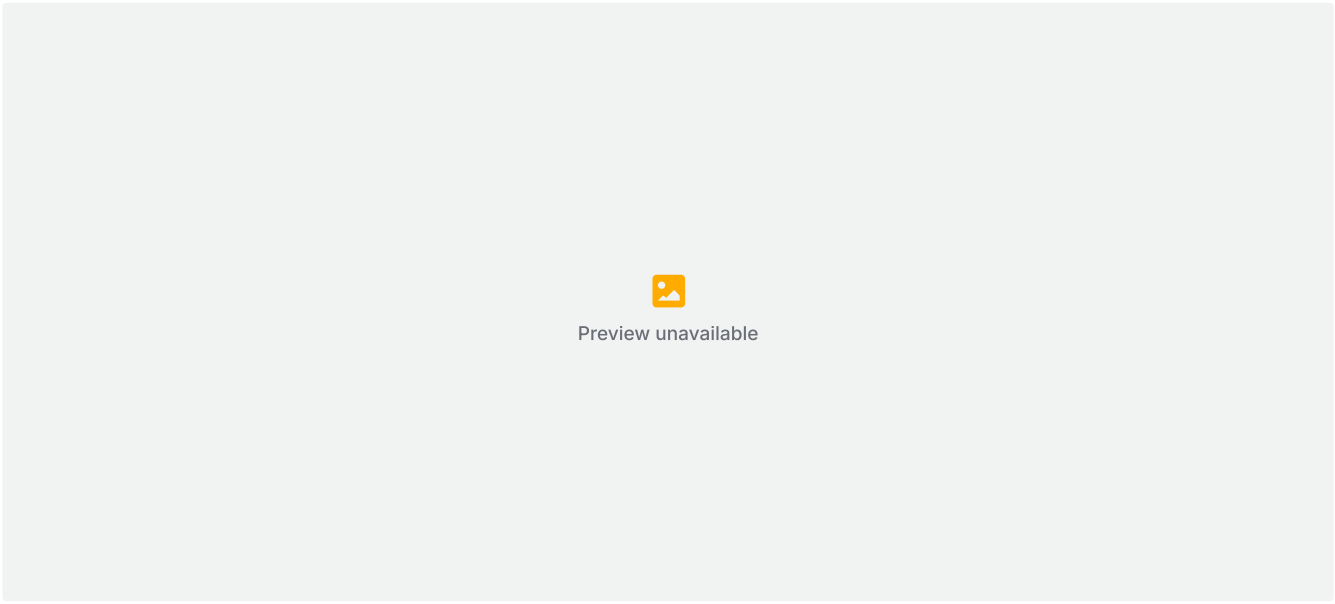
Released on `Dec 12, 2025`

SaaS Detection and Unified Product Recognition RCAT-412

In this release, we are significantly expanding our discovery capabilities by introducing native SaaS detection, effectively bridging the gap between on-premises and cloud-based software management. This update ensures that whether an application is installed locally or accessed via a browser, it is treated with the same depth of detail, visibility, and intelligence.

Key capabilities are:

- **URL-Based Recognition**: By simply providing a URL, the system identifies the specific SaaS product and populates a comprehensive set of metadata, including manufacturer details, logos, and functional classifications.
- **Unified Data Model**: We have removed the border between on-prem and SaaS applications. Regardless of the deployment method, users receive the same data structure, enabling a consistent "single source of truth" for the entire software estate.
- **Alternative Identification**: Leveraging the Software Catalog, users can now find similar products or alternatives to current SaaS tools, facilitating vendor consolidation and cost optimization.

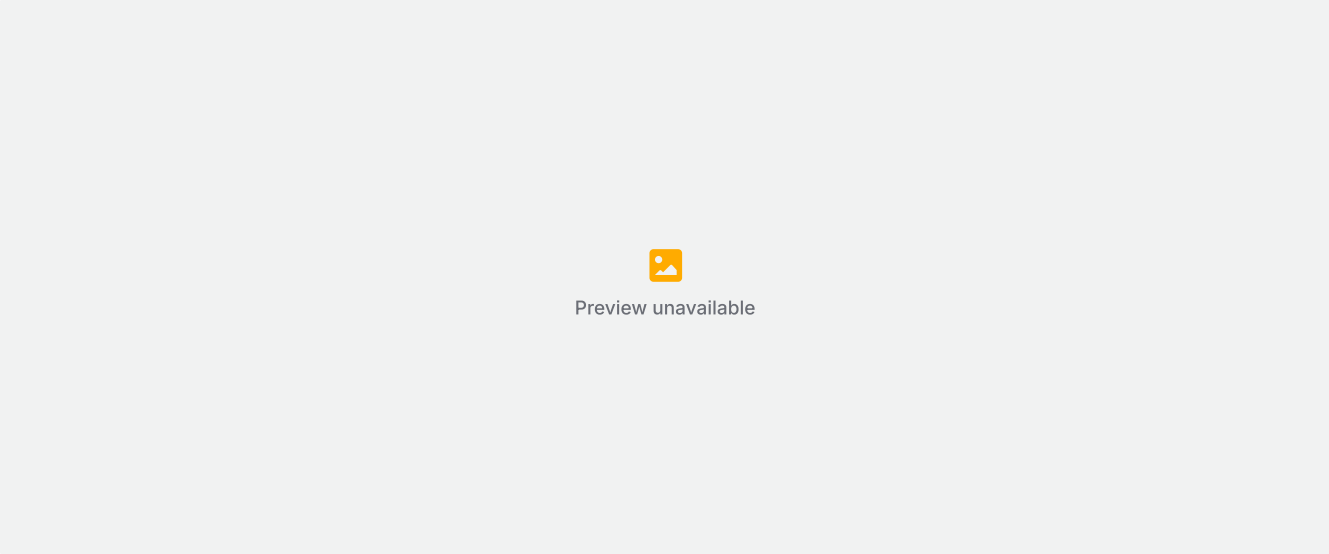


A SaaS product that provides a list of signatures for software recognition and a standard domain model for attributes, similar to on-premises counterparts.

The content library is currently being rolled out, with several thousand top-tier products already supported and new definitions added daily to ensure comprehensive coverage of the global SaaS landscape.

AI Technology Intelligence: Integrated AI Indicators RCAT-594 RCAT-616

As artificial intelligence becomes increasingly prevalent in the enterprise software landscape, understanding the role of AI within your software estate is critical for governance, security, and risk assessment. We have introduced a new AI Technology Indicator that provides transparency into how AI is integrated into specific products and versions.



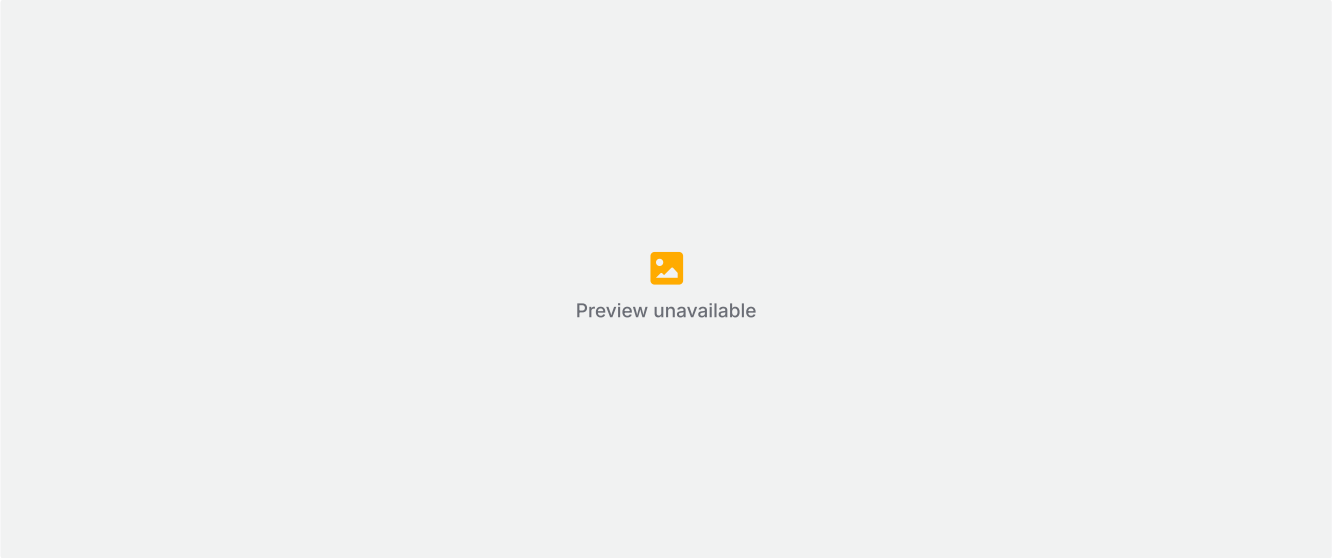
Copilot - an example of a product, where the AI is its core functionality.

Each software entry in the Catalog now includes one of four AI classification levels:

- Core AI: AI is a critical component and the primary engine of the application (e.g., specialized LLM tools or AI-first platforms).
- Optional AI Feature: The software includes AI capabilities, but they are optional or secondary to the application's primary function.
- No AI: The product does not utilize AI technologies.
- Unknown: The AI status is currently being researched or has not yet been determined.

Publisher Country of Origin Tracking

To provide deeper insights into the geopolitical landscape of your software supply chain, we have introduced a new Country of Origin attribute for publishers. The Catalog now tracks and reports the primary country of origin for publishers (e.g., United States, Germany, Japan).



Raynet, with its attribution of origin: Germany.

This feature allows organizations to identify where software manufacturers are headquartered, aiding in risk assessment and compliance management.

API users can retrieve this data by querying the new custom attribute field: `country_of_origin`.

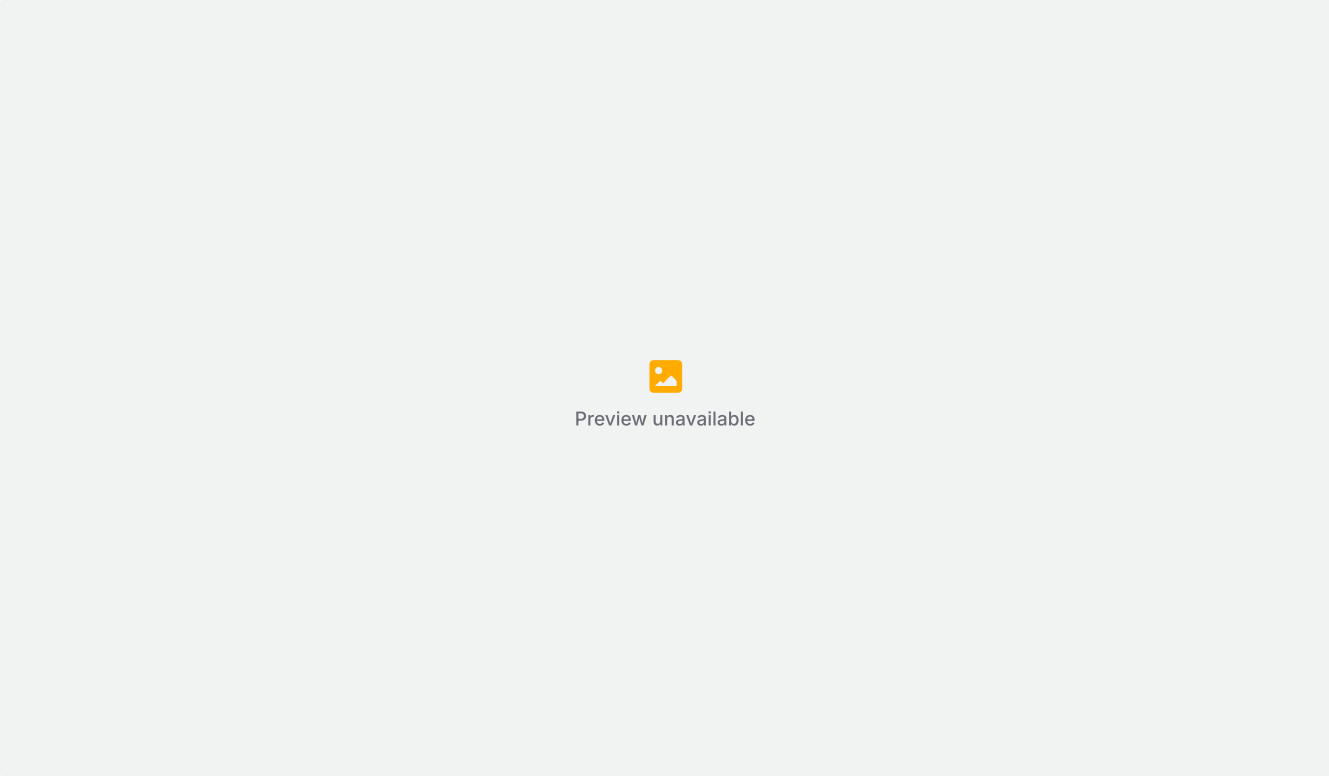
Note on Availability: This feature is currently available exclusively for Raynet One Cloud instance https://rayventorycatalog.raynet.de. It is not included in the on-premises deployment at this time.

Enhanced Licensing Transparency and Open Source Intelligence RCAT-584 RCAT-605 RCAT-582

We have introduced significant updates to our data model to provide greater clarity and precision regarding software licensing and commercial structures. These enhancements allow organizations to better assess compliance risks and financial models by providing more granular information than traditional license types alone.

- **Native Open Source Indicator**: To resolve ambiguity between various license types (e.g., GPL, MIT, Apache), we have introduced a dedicated boolean flag that explicitly identifies whether a product or a specific version is Open Source. This provides an immediate, clear "Yes/No" status that simplifies reporting and policy enforcement.
- **Descriptive License Strings**: In addition to standard license categories, the system now supports short, explanatory license strings. This is particularly useful for complex or dual-licensing scenarios (e.g., "GPL 2.0 AND MIT OR Proprietary"), providing a human-readable summary of the exact licensing terms applicable to a product.

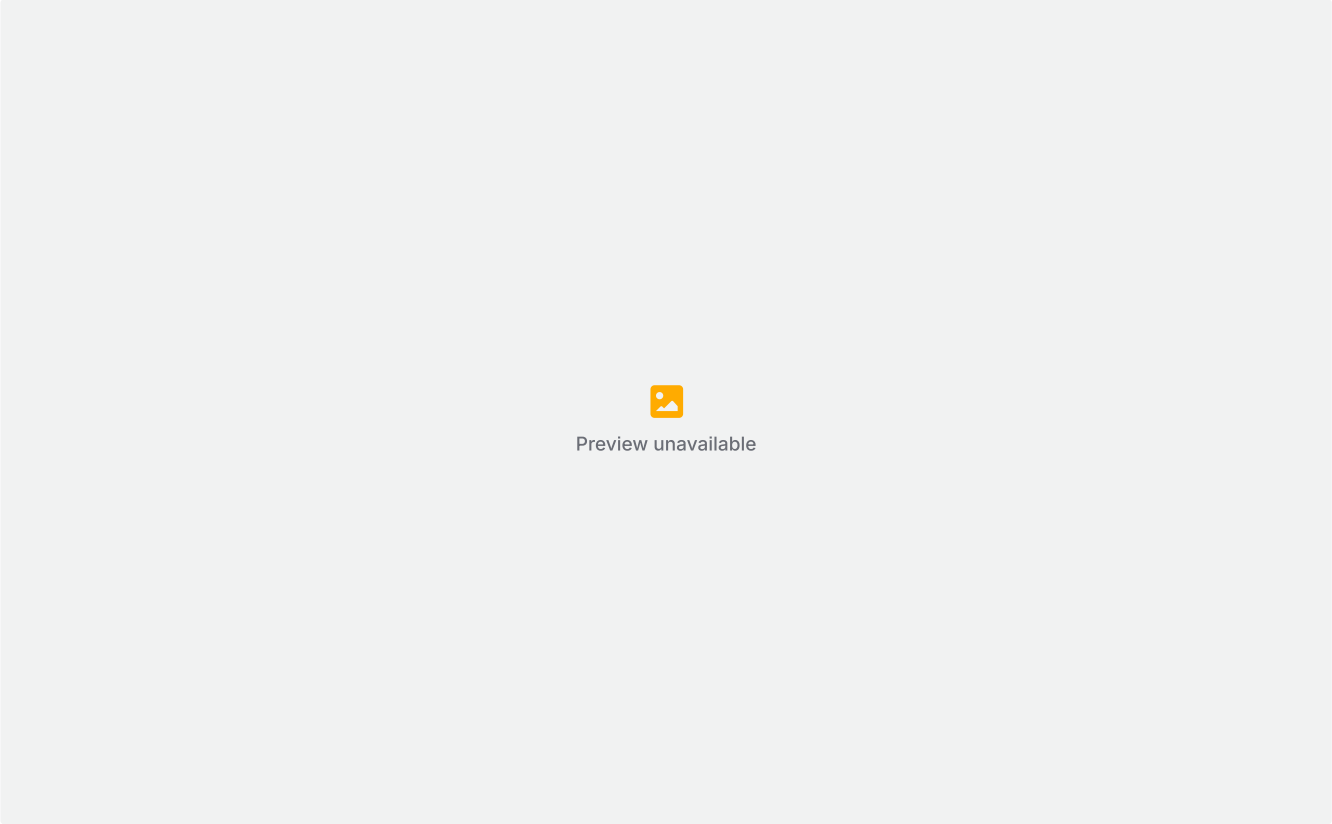
- **Expanded Commercial Model Attributes**: We have broadened the commercial license properties to better reflect modern software procurement. In addition to the existing "Freeware" and "Commercial" tags, we have added Freemium and Subscription values, ensuring that your inventory accurately reflects the actual cost and usage models of your software estate.



This is an open-source product, as indicated by the marking.

EPSS and KEV Integration RCAT-478 RCAT-532

We have significantly enhanced our vulnerability management capabilities by integrating two critical industry standards into vulnerability data model: the Exploit Prediction Scoring System (EPSS) and the CISA Known Exploited Vulnerabilities (KEV) Catalog. These additions provide security teams with the necessary business context to move beyond simple severity scores and focus on the vulnerabilities that pose the most immediate threat.



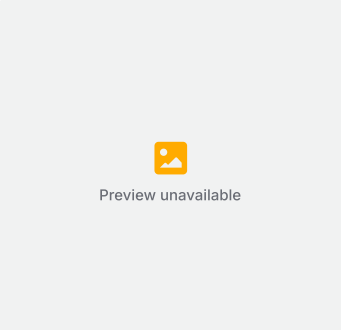
Where it is applicable, extra sections show EPSS risk assessment and CISA known exploited vulnerability information (KEV).

Technology Catalog now visualizes both EPSS and KEV indicators directly within the CVE details view. This layout offers a clear, actionable overview of a vulnerability's status, improving relevance and decision-making for security stakeholders. Additionally, these details are returned by our API for programmatic access and integrations.

Expanded Platform Support for Multi-Device and Cloud Ecosystems RCAT-592 RCAT-616

We have introduced dedicated classifications for the following platforms, allowing for more granular filtering and accurate asset management:

- Mobile & Tablet: Added Android and iOS applications.
- Cloud Infrastructure: Added IaaS (Infrastructure as a Service) to complement our existing SaaS and PaaS categories.
- Web-Centric OS: Introduced support for ChromeOS.
- IoT & Embedded: Added IoT/Embedded systems.



Platform has been extended and uses more detailed vocabulary to cover non-Windows platforms.

While the infrastructure and UI support are live, the population of existing records into these new categories will take place over the coming weeks as we refine the global catalog.

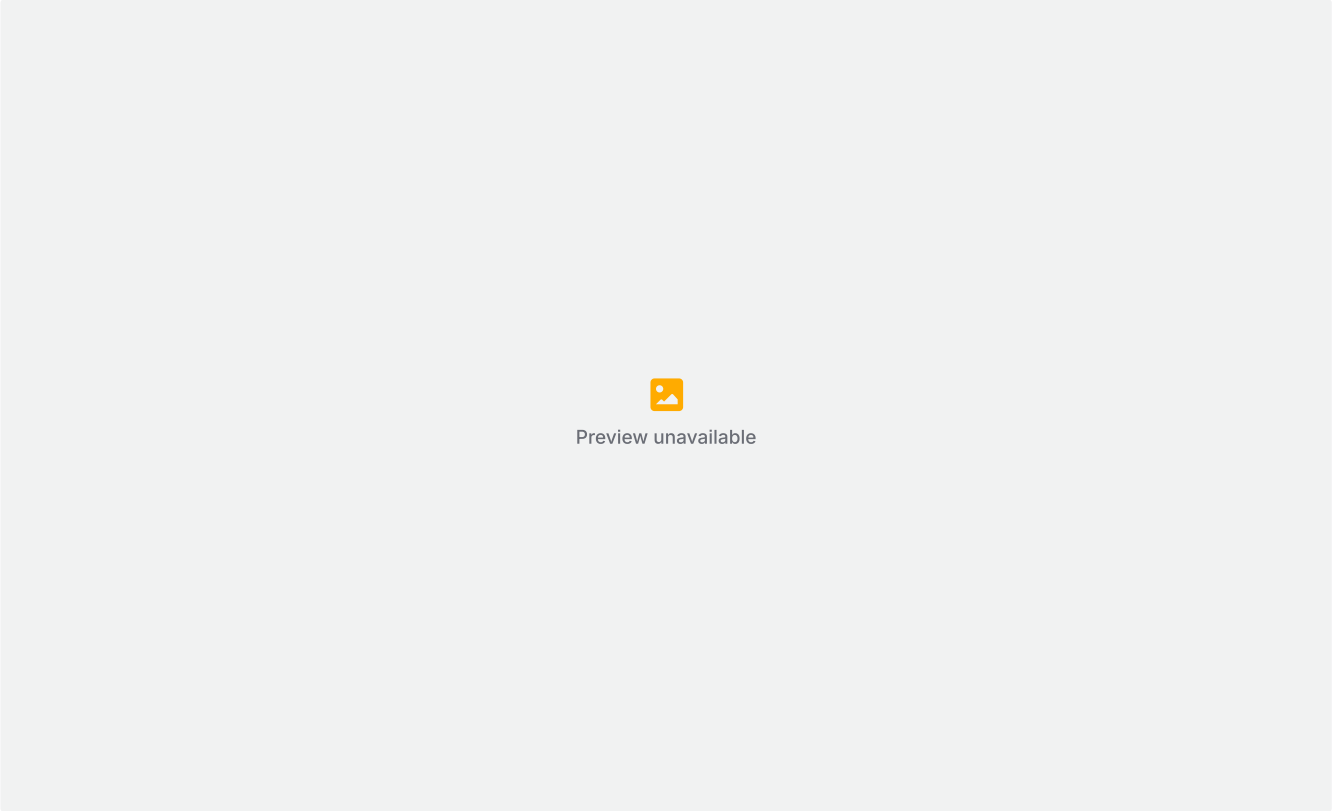
> **Note for Developers**: If you are interfacing with our API, please update your integrations to use the specific platform types. The legacy `Desktop` flag is now marked as obsolete and will be phased out in future releases.

Optimized Fingerprint Management RCAT-651

We are introducing a significantly enhanced interface for managing fingerprints, designed for high-performance browsing and improved navigational context.

> Please note: These features are currently released under our experimental framework. To access these improvements, navigate to your User Profile and enable the "Enable experimental features" checkbox.

- **High-Speed Browsing with Virtual Scrolling**
  The fingerprints view now utilizes virtual dynamic scrolling, allowing users to navigate through vast datasets with near-instant load times and zero lag.
- **Integrated Fuzzy Searching**
  A new fuzzy search capability has been added, allowing for more flexible querying of fingerprint data. This can be toggled on or off via a dedicated button in the search bar, giving users control over search precision.
- **Direct Assignment Context**
  Within the "Assigned" section of the fingerprints view, users can now view the specific details of the assigned product and version directly. This eliminates the need for back-and-forth navigation, streamlining the verification and mapping process.



With the experimental feature 'Fuzzy Search' enabled, typos do not affect the search results. The above picture contains a misspelled product name, yet all the matches for 'Python' are still showing up.

Other Improvements

- Significantly enhanced system performance and API responsiveness. RCAT-549 RCAT-553 RCAT-483 RCAT-702 RCAT-708 RCAT-596
- Updated the Catalog's data processing engine to ensure full compatibility with the latest NVD API 2.0 specifications, aligning our vulnerability data ingestion with the modernized models provided by NIST. RCAT-47
- Adjust Catalog to meet new models provided by NIST in NVD API 2.0 RCAT-47
- Add health check endpoint to Catalog API RCAT-552
- Improved API versioning with forward compatibility to ensure more stable integrations and smoother transitions as the platform's API evolves. RCAT-602
- Improved sorting of product versions in unusual formats. RCAT-566
- Streamlined the Fingerprints page UI by removing less frequently used buttons; specialized actions, such as "Push All," have been relocated to more contextually relevant areas like the Synchronization menu. RCAT-679
- Added the ability to configure a custom size limit for synchronization file uploads, providing greater control over resource usage during data ingestion. RCAT-570

- Enhanced the usability of table views by updating bulk action buttons with improved visibility and clearer labeling. RCAT-652
- Refined security and integration access by updating permissions for the `v1/products/<product_id>/versions` endpoint to allow access for the recognizer and synchronizer roles. RCAT-714
- Improved user experience by significantly optimizing the load time of the Software Categories page. RCAT-674
- General improvements and stability improvements. RCAT-557 RCAT-359 RCAT-392 RCAT-470 RCAT-507 RCAT-509 RCAT-510 RCAT-517 RCAT-520 RCAT-523 RCAT-525 RCAT-527 RCAT-529 RCAT-530 RCAT-533 RCAT-536 RCAT-537 RCAT-538 RCAT-539 RCAT-541 RCAT-544 RCAT-548 RCAT-559 RCAT-721 RCAT-568 RCAT-572 RCAT-573 RCAT-575 RCAT-576 RCAT-577 RCAT-578 RCAT-581 RCAT-585 RCAT-587 RCAT-588 RCAT-590 RCAT-595 RCAT-600 RCAT-609 RCAT-614 RCAT-618 RCAT-619 RCAT-620 RCAT-633 RCAT-649 RCAT-653 RCAT-656 RCAT-663 RCAT-666 RCAT-668 RCAT-669 RCAT-678 RCAT-681 RCAT-688 RCAT-691 RCAT-695 RCAT-696 RCAT-705 RCAT-706 RCAT-707 RCAT-710 RCAT-720