



Illumio<sup>®</sup> Core  
Version 22.3.3

Release Notes

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## Welcome

These release notes describe the resolved issues and known issues for the Illumio Core 22.3.x releases.

Illumio Core 22.3 is available for Illumio Core Cloud customers depending on the version of the Illumio Core Cloud running in their environments. Illumio Core Cloud customers can verify their version in the PCE web console.

 The resolved and open issues in this release notes document apply only to VENs installed on Windows Endpoints only. They impact customers who manage Windows Endpoints in their PCE. Do **not** install the Illumio 22.3 Endpoint VEN package on any servers or VMs in your managed environment. See the [Endpoint Installation and Usage Guide](#) for more information.

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## What's New in This Release

To learn what's new and changed in 22.3, see the [What's New in This Release](#) guide.

**⚠** This release notes covers the new feature for installing the Illumio Endpoint on macOS. Cloud customers can now install the VEN for the Illumio Endpoint on the latest versions of macOS; specifically, macOS versions 10.15 (Catalina), 10.16 (Big Sur), and 12.x (Monterey). For the steps to install the Illumio Endpoint on macOS, see the [Illumio Endpoint Installation and Usage Guide](#). This is the first release of the Illumio Endpoint for macOS; therefore, feature does not require any resolved issues and does not have any known issues.

**IMPORTANT:** The VEN in Core 22.3.0 supports installing the VEN on the Illumio Endpoint only. The VEN is not available for installation on server workloads (such as bare-metal servers and virtual machines). Do not install the 22.3.0 VEN on server workloads.

## Product Version

**PCE Version:** 22.3.3 (Standard)

### Release Types and Numbering

Illumio Core release numbering uses the following format: “a.b.c-d+e”

- “a.b”: Standard or LTS release number, for example, “22.3”
- “.c”: Maintenance release number, for example, “.1”
- “-d”: Optional descriptor for pre-release versions, for example, “preview2”

## Resolved Issue in 22.3.3

- **Filtering events by VEN didn't display the expected events (E-95890)**  
In the PCE web console Events page, filtering events by “Generated by Agent” displayed “No matching Events to display” when it should have displayed matching VEN events. This issue is resolved.

## Resolved Issues in 22.3.0

### PCE Web Console

- **Rulesets and Rules: Unable to add "Location" or "Environment" label in Scope (E-92557)**  
While editing the scope of the ruleset, users were unable to add the labels of a label type that was used in the consumers of an extra-scope rule. This issue is resolved. Labels of a label type that is used in the consumers of an extra-scope rule now are available to add in scope.
- **Enter key on Add New Service option not working (E-91063)**  
The Enter key on Add New Service option in the service selector did not work. This issue is resolved.
- **Concurrent workload label updates caused errors (E-90427)**  
In rare cases, if the labels of the same workload were updated by concurrent requests, some update attempts might have received a 500 error. This issue is resolved.
- **Rulesets and Rules: Changes not reflected after editing the draft ruleset (E-90218)**  
Changes did not reflect after users edited the fields 'Name' and 'Description' of the Draft Ruleset. This issue is resolved.
- **Selector was not expanding or scrolling correctly (E-90188)**  
The selector tool would not expand or scroll correctly when many labels were selected at a lower screen resolution. This issue is resolved.
- **Deletion Pending Rule: Checkbox and Edit drop-down enabled by mistake (E-90077)**  
Deletion Pending Rule had the checkbox and Edit drop-down enabled by mistake. This issue is resolved.
- **New service was not showing in the Service selector (E-89974)**  
While editing a rule that contains "All Services," the newly-created service did not show in the Service selector, and the field "All Services" was not replaced. This issue is resolved.
- **Issues with recently used objects in selectors (E-89969)**  
The Recently Used objects in the selector did not work properly. This issue is resolved.
- **Idle enforcement option displayed when adding a new container workload profile (E-89899)**  
The "Idle" enforcement option was displayed when users tried to add a new container workload profile. This issue is resolved.
- **PCE web console UI wasn't displaying metric entries properly (E-89362)**  
The PCE web console UI did not display entries of the same metric in different rows. This issue is resolved.
- **VEN library filtering and sorting broken (E-88577)**  
VEN library filtering and sorting stopped working properly after an initial success. This issue is resolved.

## Policy and Workloads

- **PCE Health no longer includes authentication failures in failure percentage** (E-90325)  
The Health page in the PCE web console and the PCE Health API included authentication failures in heartbeat and policy failure percentages. This led to unnecessary alarm, as these requests do not put a significant load on the PCE. This issue is resolved. The status codes 401 and 403 are now excluded from failure percentages.
- **Unmanaged workload creation/deletion didn't always trigger policy changes** (E-89874)  
Under certain conditions, workload policy would not be updated in response to changes to unmanaged workloads, including unmanaged workload creation and deletion. Usage of containers or other workloads with a short lifespan increased the likelihood of encountering this issue. This issue is resolved.
- **".public" workload interfaces should not be ignorable** (E-89290)  
Previously, the PCE allowed users to ignore PCE-generated `.public` interfaces on workloads, which could cause unwanted behavior on the VENs. This issue is resolved. All PCE-generated interfaces are filtered from the ignored interface list before they are sent to the VEN.
- **Labels were incorrectly marked as unused and could be deleted** (E-89189)  
Labels could be incorrectly marked as not in use by the workload, based on the status of the VEN. As a result, it was possible to delete the label if the VEN had a status other than Active. This issue is resolved.
- **Container workload to Internet showed enforcement boundary in Illumination** (E-88534)  
In Illumination, when displaying traffic between container workloads and the Internet, an enforcement boundary was sometimes displayed even though the enforcement boundary was not being enforced on the container workload. This issue is resolved.
- **Filtering enforcement boundaries returns the 500 error** (E-88230)  
Filtering enforcement boundaries by name and service (by HREF) was returning the 500 error. This issue is resolved.
- **Workload object limit for unmanaged workloads not respected** (E-88160)  
The PCE did not respect the workload object limit when using bulk APIs to create unmanaged workloads. This issue is resolved.
- **Workloads synchronizing banner not working properly** (E-87593)  
In rare cases when the PCE is under load or PCE services were restarting, the banner showing the number of Workloads synchronizing did not work. This issue is resolved.

## Data Visualization

- **Explorer query results were not correctly sorted by last seen timestamp** (E-93678)  
Sometimes the flow data in Explorer query results were not correctly ordered by time. This issue is resolved.

- **Explorer is not responsive with JS errors. No explorer flows displayed (E-93674)**  
If a flow was reported as 'Unknown' (usually for the first packet of an FQDN flow) but there was also an enforcement boundary that matched the flow, Explorer was displaying an error. This issue is resolved.
- **Incorrect value for number of flow days available during rollups (E-92042)**  
When weekly rollups were enabled, and there was data with only a partial week in it, the number of flow days was incorrectly calculated. This issue is resolved.
- **Rule writing from Illumination creates extrascope rules (E-92010)**  
When 'Display Scopes in Rulesets' is set to false, Illumio always creates global scoped rulesets. In the case of a link between app groups, Illumio was still creating the rule as an extrascope rule. This issue is resolved. Now extrascope rules are created only when 'Display Scopes in Rulesets' is set to true.
- **Illumination map not working with max locations error (E-92009)**  
An attempt to load the Illumination map would sometimes fail with the error "The number of locations exceeds the maximum that can be displayed in Illumination. Please use the Search bar to select a location for viewing." even after increasing the proper **Max Locations** value in the Traffic Parameters page. This issue is resolved. The **Max Locations** parameter is now working as expected.
- **IPList mismatches and discrepancies within Explorer (E-91805)**  
If an IPList contained '0.0.0.0', it would be flagged as system-defined, and its contents (or portions) would be excluded from flow mapping in Illumination and Explorer. This issue is resolved..
- **503 Redis failed health check (E-91437)**  
HTTP 503 and collector failures sometimes preceded a PCE ingestion failure. This issue is resolved.
- **Ringfence rules default to All | All | All if a matching scope does not exist (E-91153)**  
When creating a ringfence rule in 22.x, the rule defaulted to a scope of All | All | All if a matching scope did not already exist, which differed from behavior in previous releases. This issue is resolved. Scopes are defined as before when creating ringfence rules. If Policy Settings are set to "Display Scopes in Rulesets," scopes are defined when creating ringfence rules, otherwise no scope is created in the ruleset.
- **Explorer queries were slower in previous release (E-91133)**  
Some Explorer queries took a long time to complete after the Core PCE was upgraded. This issue is resolved and queries now execute in the expected time.
- **Services in Explorer are mapped based on the port regardless of the process (E-91017)**  
Services in Explorer were being mapped incorrectly. This issue is resolved.
- **Some flows did not report the Windows service and show Blocked for Windows service rules (E-91016)**  
Explorer sometimes showed incorrect Windows service information for some flows. This issue is resolved. When the VEN does not report complete information, Explorer now infers the Windows service name based on other observed flows.

- **In Explorer, an extraneous line appeared below some column headings (E-90753)**  
When viewing Explorer through the PCE Web Console, an extraneous underline appeared under headings in columns with multiple query parameters. This issue is resolved and these lines no longer appear.
- **Slow Explorer performance in 22.x (E-90748, E-92070)**  
Explorer slowed down after upgrading to a release 22.x. This issue is resolved.
- **App Group workload count wasn't updated following refresh (E-90693)**  
In the **PCE Web Console > App Group Map**, after expanding a Connected App group and then refreshing the map, the Workload count wasn't recalculated as expected. It was necessary to collapse the group and refresh the map a second time for the Workload count to recalculate accurately. This issue is resolved and now the map is recalculated as expected in these circumstances.
- **Explorer filters with OR provide inconsistent results (E-90367)**  
Explorer IPList queries using OR would incorrectly provide zero results. This issue is resolved. IPList Explorer queries now produce proper results.
- **Traffic disappeared in App Group Map after map refresh (E-90281)**  
In the App Group Map, after expanding a connected app group and refreshing the map, traffic was no longer being displayed. This issue is resolved.
- **Core Services Detection couldn't run (E-90231)**  
A transient error prevented a data wrapper from being set up correctly; subsequently, the core services generator was not restarted because of faulty detection. These issues are resolved.
- **Error when querying the IPList traffic (E-90112)**  
Explorer queries failed when using only IPLists in filters. This issue is resolved.
- **The number of workloads reported was inconsistent (E-88766)**  
The number of workloads reported on the App Group Map sometimes differed from the number of workloads shown in the detailed popup window when the App Group was clicked. This issue is resolved. The detail panel always shows the first 500 of the total workloads that match the set of labels, whereas the count in the connected role is only the number of workloads connected to the focused app group. Clicking the 'Expand Connected Group' link loads all the details of the connected group, and the count in the role properly includes all workloads with the labels, matching the detail panel.
- **Extra Scope rules appear unexpectedly in App Group Rules tab (E-87833)**  
Extra scope rules defined only by a particular role appeared in the Rules tab of App Groups which didn't themselves contain the same role. This behavior was unexpected for some customers and is changed with this release. Now, Extra Scope rules defined by a role only appear in App Groups that contain the same role.
- **Draft view in full enforcement mode showed boundaries by mistake (E-87594)**  
Explorer, in draft view, is showing boundary information for Workloads in full enforcement which is not correct. This issue is resolved.



- **Save and Provision buttons appeared in error (E-87243)**  
For users with the Ruleset Manager role viewing a Ruleset in the PCE Web Console, the **Save** and **Provision** buttons were available and active. Because Ruleset Managers lack permission to save or provision ruleset changes, these buttons should not have appeared to them. This issue is resolved. The **Save** and **Provision** buttons no longer appear to users with the Ruleset Manager role.

## PCE Platform

- **Default account lockout duration changed to 30 minutes (E-93240)**  
The default lockout duration was 15 minutes for local accounts. It was increased in accordance with industry best practices. This issue is resolved.
- **WAL segment missing error could trigger citus\_coordinator\_service to restart full base backup (E-92989)**  
This error could appear when the standby-primary traffic database service cannot maintain synchronization with the active-primary traffic database service. Workaround: Increase wal\_keep\_segments to a higher value.
- **SAML request signing certificate showed incorrect version (E-92930)**  
The self signed certificate generated by the PCE for signing SAML authN requests carried version number=4. This issue is resolved. The PCE signing cert now has version=3.
- **Core Services Detection error when adding unmanaged workload (E-92625)**  
When adding an unmanaged workload to Core Services (**PCE web console > Core Services > Accept**), the PCE displays the message "Error: Workload does not exist." This issue is resolved.
- **Support Bundle download gives 502 error (E-91480)**  
This issue is resolved.
- **Support report used configuration files instead of the PCE for reporting limits (E-91348)**  
The PCE support report previously reported limits based on configuration files instead of the PCE. The PCE support reports now report limits as seen by the PCE itself. This issue is resolved.
- **PCE Health page displayed confusing warnings about PCE node disk size (E-91283)**  
The **PCE Health** page displayed warnings that the disk sizes of the PCE nodes were below the minimum PCE requirements and the **Node** tab indicated that the node specs were below requirements. For example, the page could display a warning that a data node didn't have the expected 51200MB minimum data disk size when the data disk was actually 32748MB. This issue is resolved. The PCE health check wasn't correctly taking into account all disk partitions when calculating the minimum disk sizes. This issue is resolved. The PCE Health page now calculates the PCE node disk sizes based on all device partitions.
- **PCE Support bundle failure with 21.5.21 (E-91132)**  
When the database fails over, support bundle generation might go offline. Customers are advised to restart each node in order to reset the support bundle service.

- **Unvalidated redirect through the Referrer header (E-89344)**  
There was an unvalidated redirect through a Referrer header in `/login/users/password/update` which resulted in cross-domain Referrer leakage. This issue is resolved. The referrer header and other user inputs are now validated by the server so that it only allows headers coming from a PCE cluster. The Referrer header is a request header that indicates the site that the traffic originated from.
- **Unable to archive logs in PCE support report due to UID out-of-bound error (E-88006)**  
When the UID exceeded a certain large number, the PCE support report failed to generate properly. This issue is resolved.
- **Harmless time-drift threshold warning on the Health page for the PCE (E-87425)**  
If the local node clock was out-of-sync with the NTP time server beyond a threshold, then the health page displayed an appropriate warning on the PCE. The threshold value was too low and caused false alarms. This issue is resolved. The system has been reconfigured to increase the threshold to 384 ms to minimize the occurrences of these warning messages.
- **Trusted Proxy IP was not always used (E-83012)**  
The trusted proxy IP feature did not work for the initial VEN pairing. The VEN's actual IP address did not appear in the Public IP property of the workload and in the `agent.activated` event. Instead, the IP address of the load balancer, proxy, or whatever entity was performing the NAT appeared. This issue is resolved. The VEN's actual IP address appears in all the appropriate places and events.
- **Events API: Missing information for Access Restriction (E-82044)**  
Resolved exception error reporting, causing the UI to not receive the bad/invalid IP in the response.
- **UPDATE calls that made no changes still generated events (E-81227)**  
In the REST API, an UPDATE call that did not make any change to resource data generated an event. This issue is resolved. These events are no longer generated.

## VEN

- **Potential crashing bug with VTAP-SERVER (E-89685)**  
A issue with VTAP-SERVER caused a memory allocation process to terminate. This issue was rare and has been resolved.
- **(Windows) "Ignore" setting not working on network interfaces (E-89580)**  
When you set a Windows workload's network interface from being Managed to Ignored, the setting does not take effect. The interface is still treated as Managed.
- **Workload process UI not reporting all ports for Linux with IPv6 interfaces (E-89351)**  
On Linux workloads with a 21.2.2 VEN, IPv6 ports were not being reported in the Web Console. This was caused by IPv4-mapped IPv6 addresses being reported as IPv6 addresses which caused them to be filtered out by the PCE. This issue has been resolved and the ports are being reported as expected.

## Known Issues in 22.3.3

### PCE Web Console

- **Explorer pagination jumps to the last page of Label Based Connections in some cases** (E-93223)

In the **PCE Web Console > Explorer**, clicking the right arrow above the connections list to advance to the next page unexpectedly redirects you to the last page in the following circumstances:

- a. Select multiple connections in Explorer.
- b. Click **Allow Selected Connections**. The **Proposed Ruleset** page opens.
- c. Click **Cancel** in the **Proposed Ruleset** page.

Workaround: none currently

- **In Explorer, parameter drop-down list is duplicated in some cases** (E-93206)

In the **PCE Web Console > Explorer**, after selecting to include **All Workloads** in Consumers, the drop-down list is duplicated such that a second menu appears atop the initial menu.

Workaround: none currently; users should ignore the duplication and select parameters on the visible menu.

- **Filtered searches for workloads on the Virtual Servers page return incorrect results** (E-82414)

The following happens when you search for workloads on the Virtual Servers page:

- After searching for workloads by label, the search doesn't work and the full list of workloads continues to display regardless of your search criteria.
- In searches that don't return any matching results, the reported page count is erroneous.

- **Specifying multiple labels within each label type is not supported** (E-73039, E-72388)

You can filter one label per Role, Application, Environment, or Location label type. While you have the ability to indicate multiple labels in your search filter within each type, you do not receive any results.

- **Incorrect count in selector static categories** (E-68895)

When a user enters a value in a selector in the PCE web console, the options matching the input are displayed along with the matched and total count. In the case of Static categories, the matched count is correct but the total count displayed is incorrect.

Workaround: While a workaround is not available, the issue occurs only when the user filters a static category. The matched count is correct but the total count is incorrect and will be resolved in a future release.

- **No error message is displayed after typing in an invalid port** (E-68255)

When you enter an invalid port number while editing a service, the PCE still displays options to select from. When you move to another field without making a selection, the entered letters/digits are not cleared to reflect that the entered value was not selected. It can appear

that the value you entered was accepted even though invalid.

Workaround: Press ENTER after entering text. When the combination was valid, it will be selected. Otherwise, it will be cleared.

- **Filtering by an Invalid Protocol in the Services List page displays all services (E-68251)**  
When you type an invalid protocol and press ENTER, the protocol appears as a filter item but the list page is not refreshed. The PCE web console validates the entered protocol and refreshes the page only when the protocol is valid.  
Workaround: There is no workaround but this is only a cosmetic issue.
- **Filtering by an invalid port in the Services List page displays an error (E-68249)**  
When you filter the Services list using an invalid port, you receive the 406 error: "Port value out of range." The port filter category is a free search and your input is passed to the PCE without validation.  
Workaround: Clear the entered port number and filter the list with a value in the valid port range.
- **Wildcard in workloads filter not working (E-65232)**  
In the Workloads page of the PCE web console, the asterisk (\*) wildcard is intended to be supported in a filter expression for filtering the workload list; see [Use a Wildcard to Filter Workloads](#). However, while the UI accepts the asterisk as a valid character, the filter always returns zero results, even if there are workloads that should match the filter expression.
- **Filter doesn't handle the percentage symbol (E-64904)**  
When users select a filter option from the drop-down list, the selected value is added to the URL. If the selected value contains the percentage symbol (%), the UI throws an error, and a blank page shows up.  
There is no workaround, but this is a rare situation because the % symbol is not used much in values.
- **API call to switch multi\_enforcement\_instructions\_request returns error (E-59518)**  
A REST API call to switch `multi_enforcement_instructions_request` returns an incorrectly handled error. This issue will be resolved in a future release.
- **Pressing Enter doesn't select the default option in the dialog box (E-53831)**  
When the PCE web console displays a dialog box, pressing **Enter** might select an action other than the default.  
Workaround: Use your mouse to click the required button in the dialog.
- **PCE web console doesn't provide warning for out-of-scope Rule entities (E-29502)**  
You are incorrectly allowed to select a workload as a provider for a rule, even if the provider's labels do not match the labels of the specified scope.

## Policy and Workloads

- **Container workload profile updates could generate a PCE error (E-84624)**  
Occasionally, updating the labels or enforcement mode of a container workload profile fails with a 500 Internal Server Error. This is caused by concurrent C-VEN and Kubelink

background activity.

Workaround: The update should succeed by retrying the PUT request.

- **Tunnel IP appears on VM's inbound port unnecessarily in Illumio policy (E-84081)**  
In a policy managing traffic between a Kubernetes pod (Consumer) and an external managed Virtual Machine (Provider), the managed VM has both the Host IP and the Tunnel IP on the inbound port. Illumio needs only the pod's Host IP on the external VM; the host's tunnel IP address is unnecessary. While this situation doesn't impact functionality, Illumio plans to correct this in a future release.
- **Enforcement Boundary filter returns Potentially Blocked flows mislabeled "no Rule" (E-83415)**  
Enforcement Boundaries filtered by IP Lists and displayed in the Draft View include Potentially Blocked flows that are labeled "no Rule" instead of "Blocked by Boundary." As it's not possible to enforce a boundary on flows with no rules, the "no Rule" status appears in error.  
Workaround: If you see the "no Rule" status in these circumstances, assume that the flows are "Blocked by Boundary."
- **Virtual Servers could be marked as pending deletion when unexpected F5 errors occur (E-83175)**  
In rare cases in which the NEN receives an unexpected error from the F5 device during Virtual Server discovery, the Virtual Server could appear in the "Deletion Pending" state on the PCE. You can safely revert these Virtual Servers if they still exist on the F5. The policy is not affected by this issue.
- **Virtual Server Mode does not map directly to the management state in the Web Console (E-78370)**  
Any virtual server discovered on an SLB is considered to be in the "Managed" state when it has a corresponding entry in the virtual server list page. A managed virtual server could be either Not Enforced or Enforced. The virtual\_servers object in the API returns a "Managed: Not Enforced" virtual server as "unmanaged."
- **Incorrect error message displayed when ruleset renamed to a name that's in use (E-74498)**  
On creating and provisioning a rule set, for example, rule set A, renaming it to B, then creating ruleset A and reverting modifications to ruleset B, the UI displays an incorrect "500" error instead of an error message informing that the ruleset name is already in use.
- **Policy restore impacts the virtual services of a container cluster (E-73979)**  
The issues are as follows:
  - When policy is restored to a version before the creation of a container cluster's virtual services, the container cluster's virtual services are marked for deletion in the draft change.
  - When a container cluster is deleted, restoring its virtual services is possible through policy restore.
- **Inconsistencies in rule coverage for the Windows process-based rules (E-71700)**  
The draft view of Illumination and Explorer could show an incorrect draft policy decision for traffic covered by a rule using a service with a Windows process or service name. This

generally happens when there is a port/protocol specified in the rule in addition to the process/service name, or when a non-TCP/UDP protocol is used in the rule. In these cases, the reported view provides the correct policy decision as reported by the VEN based on the active policy.

- **Incorrect Group Label count is displayed while editing a group for a workload (E-68691)**  
Workaround: This issue can be resolved by backend providing a subset of results with the total filtered count.
- **Rule search with virtual service and labels returns an incorrect rule (E-65081)**  
When a rule is written with a virtual service whose labels conflict with the ruleset scope, and a rule search is done for the virtual service, the rule search could return the rule even though the rule does not apply due to the scope conflict.  
Workaround: use rule search to ensure that the rule applies to the virtual services and the scope labels separately.
- **Unable to select multiple protocols in Rule Search (E-57782)**  
If you try to select multiple protocols in Rule Search, you cannot select a second protocol after selecting a protocol once. For example, if you select TCP and then want to select UDP, the UI does not display the protocol option again.  
Workaround: This issue is only an issue in the PCE web console. Using the REST API, you can select multiple protocols and obtain the correct search results.

## Data Visualization

- **Blocked traffic showing in the VRRP protocol (E-89842)**  
The VRRP Protocol (Virtual Router Redundancy Protocol) / RFC-5798 creates virtual routers, an abstract representation of multiple routers that specifies an election protocol used to dynamically assign IP routers to the participating hosts on a network and assist with load balancing and HA clustering solutions. VRRP hello packets use the unique IANA IPv4 protocol number 112, which currently makes them show within Explorer and Illumio UI in a way that might be confusing.  
Workaround: Create a VRRP service via the Illumio API and then use it in Policy as explained in the Knowledge Base article 3732: "How to Resolve Blocked Traffic for the VRRP protocol." This workaround can be used until the policy engine gets enabled to work with the protocol IANA IPv4 number 112.
- **Add Rule panel not updated on right-click for each traffic selection (E-89343)**  
Add Rule Panel, once opened for a traffic selection, is not refreshing for another traffic selection.  
Workaround: Close the Add Rule Panel and reopen it again.
- **User column remains empty in Explorer by mistake (E-89313)**  
The user column remains empty in Explorer when selecting the Blocked by Boundary filter.
- **Problem when running multiple Explorer queries in separate tabs (E-82385)**  
If you have Illumio Explorer open in multiple browser tabs and set up separate queries to run

in each tab, the query parameters you selected for one query could end up replacing the parameters you selected for the other query.

- **Drop-down lists and buttons misaligned in the Explorer page (E-81916)**

When selecting Draft View for an Explorer query, the drop-down lists and buttons above the query results are not correctly aligned with the columns in the results table.

Workaround: None; however this issue is cosmetic only and does not impact the query results.

- **Clearing the traffic counters for virtual services doesn't remove the links in the Illumination map (E-81658)**

Clicking the **Clear Traffic Counters** link in the Illumination control panel for virtual services doesn't clear the traffic links between the virtual services in the map.

Workaround: After clearing the traffic counters for virtual services, click the refresh icon (🔄) to recalculate the map data. The links disappear after refreshing the Illumination map.

- **Time between two traffic flow events might be misreported (E-79204)**

In Explorer, when viewing a traffic flow allowed by FQDN rules that was initially dropped and then allowed, the time between the drop and the allow events might be reported erroneously. The actual time between the two events could be only a matter seconds (as expected), but the reported time could be more than one minute, which would be erroneous.

Workaround: Not available.

- **Vulnerability - V-E score is not showing correctly (E-75418)**

V-E score is not correct when compared with V-E score column and Total V-E score. For example, when adding V-E score column showing as a 69.8 the Total is showing as 71 instead of 70.

Workaround: Not available.

- **Vulnerability - V-E score is not showing correctly (E-73277)**

V-E score is not correct when compared with V-E score column and Total V-E score. For example, when adding V-E score column showing as 69.8, the Total is showing as 71 instead of 70.

- **VES and E/W exposures wrong for the internet and other workloads (E-73023)**

If a rule provides a service on a vulnerable port/protocol to the internet and to some set of workloads, the workloads in the port exposure are not counted. This leads to a VES of 0 instead of larger than 0. The exposure calculation is correct if the internet is not provided as a consumer.

- **Add Rule panel not displaying for selected traffic with right-click actions (E-68548)**

On right-clicking on selected traffic and clicking Add Rule, the Add Rule panel should display for selected traffic. Instead of the current selection, it displays the previous Add Rule panel for other selected traffic.

## PCE Platform

- **VENs on RHEL8 potentially subject to OpenSSL CVEs (E-93205)**  
VENs installed on RHEL 8 use the OpenSSL package that is installed as part of the OS. There are known security vulnerabilities on several OpenSSL versions.  
Workaround: Upgrade to the latest OpenSSL package v3.0.5 or v1.1.1q or later. Please note that based on its usage of OpenSSL, VENs are not impacted by CVE-2022-1292, CVE-2022-2068, and CVE-2022-2274.
- **Power off, then on a member region, core nodes are stuck in PARTIAL (E-92384)**  
After powering off and powering on a PCE, the run fails, and core nodes remain in partial states. Restarting the databases do not fix the issue.  
Workaround: Restart all core and database nodes. This issue is rare and not easily reproducible.
- **Created By field in CEF events not working (E-91151)**  
The Created By field for events is not working because Illumio events return the integer primary key of the creator as a `duid` in the CEF events. The CEF field should return HREF and not the primary key. Returning the `duid` does not work for container clusters or Illumio Service Accounts because they use the `uuid` and not integer IDs for this field; therefore, they do not populate the `created_by_id` field.  
Workaround: Not available
- **Editing scopes for Access Management displays Role label group as option in menu (E-90529)**  
When editing the labels for scopes for access management (also called "role-based access control)," the menu incorrectly displays the Role label group in addition to Application, Environment, and Location. The Role label group is not added to scopes for access management.  
Workaround: Not available; however, this is a cosmetic issue and can be ignored when editing scopes for access management.
- **XFF not working properly (E-88891)**  
The user activity page in the UI reports the LB SNAT IP address instead of the user's IP address from the XFF header even when SNAT IP is configured as a Trusted Proxy. In addition, accessing a non-existent API endpoint also logs the SNAT IP address in audit events instead of the client IP address from the XFF header.
- **The `agent.activate` events are not always classified correctly (E-74682)**  
Events generated when an agent is activated (`agent.activate` events) are categorized inconsistently. Success events are classified as `auditable`, and failure events are categorized as `system_events`.



## REST API

- **Vulnerability APIs should distinguish between O/syncing/NA Exposure scores (E-71689)**  
Users might get confused when the workload list page shows as Syncing and the workload vulnerability tab shows as N/A.  
Workaround: This is a cosmetic issue and no workaround is available.

## VEN

- **Abrupt shutdown of RedHat VEN might cause issues with aggressive tampering detection (E-91763)**  
On Red Hat Enterprise 7.9, 21.2.4-7978, in extremely rare cases, an abrupt shutdown of the VEN (for example, manual `kill -9`) might prevent the VEN from cleaning up kprobe configuration. This can lead to errors enabling aggressive tampering detection when the VEN is restarted. System administrators are advised to use only documented methods of shutting down the VEN (for example, `illumio-ven-ctl stop`).  
Workaround: Please contact Illumio support for a workaround if you believe you have been affected by this issue.
- **Compatibility report (problem 2) - nftables / RHEL8 (E-91481)**  
The customer installs the missing packages and reruns the compatibility report from the Web Console but is unable to run the report.  
Workaround: Either restart the VEN (`sudo /opt/illumio_ven/illumio-ven-ctl restart`) or rerun the script that manually generates the report (`sudo /opt/illumio_ven/bin/.agent_qualify.sh`).
- **Process-based rule not showing properly in Explorer (E-89749)**  
A process-based rule was defined but was shown as "no rule" in Explorer.  
Workaround: do not specify the service name in the process-based rules.
- **On CentOS 8, VEN can't load the FTP and TFTP modules (E-85127)**  
On CentOS 8, the VEN can't load the `nf_conntrack_ftp` and `nf_conntrack_tftp` modules, which blocked the workload from uploading and managing files. Due to this issue, customers can't upgrade the VEN on CentOS 8 workloads.
- **[CentOS 8] Custom IPtables rule does not work with -j REDIRECT (E-80818)**  
After creating a custom rule on the PCE with `-j REDIRECT` in the `nat` table, the CentOS 8 VEN enters an error state because the VEN could not correctly handle the `-j REDIRECT` part of the rule. The custom rule performs a NAT operation that requires a different chain type therefore, `nftables` does not allow the VEN to perform the redirect in our chains.  
Workaround: remove the custom `iptables` rule and restart the VEN. This brings the VEN back to a healthy state.

- **Established connections are not removed when the VEN is restarted (E-63072)**  
After the VEN is paired and restarts using the `illumio-ven-ctl` options, it dumps suspicious log entries into `vtap.log` twice per minute. The log type is INFO and they appear to be caused by an error related to the restart of the VEN. This issue is observed on the global zone and the exclusive IP zone.  
Workaround: Not available; however, this issue has no major impact except for `vtap.log` receiving these log entries.

## Security Information

This section provides important security information for this release. For additional information about security issues, security advisories, and other security guidance pertaining to this release, see Illumio's Knowledge Base in Illumio's Support portal.

- **Upgrade curl to address CVE-2021-22946 and CVE-2021-22947 (E-83238)**  
The curl package was upgraded to 7.82.0 in order to address CVE-2021-22946 (<https://curl.se/docs/CVE-2021-22946.html>) and CVE-2021-22947 (<https://curl.se/docs/CVE-2021-22947.html>).
- **Added Referrer-policy HTTP header (E-68456)**  
Added Referrer-policy HTTP header to prevent cross-domain Referrer leakage.

## Legal Notices

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