



# Illumio<sup>®</sup> Core C-VEN

Version 2.5.15

Compatible PCE Versions: 21.5.30 and later

## Release Notes

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## Welcome

These release notes describe the resolved issues and known issues for the Illumio Containerized VEN 21.5.15 release.

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 Illumio Core 21.5.15-C-VEN is available for both Illumio Core On-Premises customers and Illumio Core Cloud customers.

## What's New in This Release

To learn what's new and changed in 21.5, see [What's New in This Release](#) on the Illumio Technical Information portal.

## Product Version

**Compatible PCE Versions:** 21.5.30 and later releases

**Current C-VEN Version:** 21.5.15-C-VEN (LTS)

### Standard versus LTS Releases

21.5.15-C-VEN is a Long Term Support (LTS) release.

For information on Illumio software support for Standard and LTS releases, see [Versions and Releases](#) on the Illumio Support portal.

### Release Types and Numbering

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

- “a.b”: Standard or LTS release number, for example, “21.2”
- “.c”: Maintenance release number, for example, “.1”
- “-d”: Optional descriptor for pre-release versions, for example, “preview2”

## Updates for 21.5.15-C-VEN

### Resolved Issues

- **Pods were not reported to PCE after upgrading OKD to 4.9** (E-94446)  
On CRI-O, the C-VEN occasionally would not evaluate a running pod's information that was required to program its firewall. This issue is resolved.
- **C-VEN in Error state and CWID in active/sync** (E-94745, E-94364)  
On CRI-O, the C-VEN would sporadically enter the "Policy Sync: Error" state, and the container workloads would be in the "Active/sync" state for a long time. This issue is resolved. With 21.5.15-C-VEN, the C-VEN now uses CRI-O's custom namespace mounts instead of the system default to program container workload firewalls. In order to implement this, set the new flag `mountPropagation` to the value `HostToContainer` under `volumeMounts` in the YAML file on CRI-O systems:

```
volumeMounts:  
- name: unixsocks  
  mountPath: /var/run/  
  mountPropagation: HostToContainer
```

- **21.5.14 C-VEN venPlatformHandler kept crashing and tmp directory filled up** (E-93456)  
In some cases, C-VEN kept crashing and then restarting, to the point where the C-VEN became unusable. No rules would push successfully, and policy update would constantly update on the filter-drop but none of the pods would be enforced. This issue is resolved.
- **Cleaned up tmp directory under data dir** (E-91347)  
C-VEN was filling up `/opt/illumio_ven_data/tmp` with policy data that was not being cleaned after being processed, which caused issues with other workloads on the nodes. This issue is resolved.

### Base Image Upgraded for CVE-2022-2526

In Core 21.5.15 C-VEN, Illumio upgraded the minimal Universal Base Image (UBI) to address CVE-2022-2526 introduced by the dependency on the `systemd` package. Customers are advised to upgrade to Core 21.5.15 C-VEN for this security fix. For more information about CVE-2022-2526, see <https://access.redhat.com/security/cve/CVE-2022-2526>.

The C-VEN base OS image is upgraded to minimal UBI for Red Hat Linux 7.9-778.

## Security Information for 21.5.15-C-VEN

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

## Resolved Issues for 21.5.14-C-VEN

- **Upgrade base image to 7.9-698** (E-91110)  
The containerized VEN now uses the RedHat Universal Base Image 7.9-698 as its base image. <https://www.redhat.com/en/blog/introducing-red-hat-universal-base-image>
- **Missing ILO\_K8S\_NODE\_NAME in OpenShift YAML** (E-91060)  
The illumio-ven-openshift.yml file was missing an ILO\_K8S\_NODE\_NAME key, which would cause the Readiness Gates feature to fail. This issue is resolved.
- **C-VEN fills up tmp directory with 50GB** (E-90966)  
C-VEN crashes were causing the /opt/illumio\_ven\_data/tmp directory to fill with files before they could be cleaned, which caused issues with other workloads on the nodes. This issue is resolved. This C-VEN crash no longer occurs, and these files are not left in the tmp directory.
- **Upgrade OpenSSL to 1.1.1n** (E-90691)  
OpenSSL has been upgraded to 1.1.1n, to resolve the vulnerability in OpenSSL 1.1.1h, as described in CVE-2022-0778.
- **C-VEN support reports are too large to be uploaded** (E-89423)  
C-VEN support reports were being created in much larger than expected sizes of 100 MB or more, which would produce a "Support report is too large to upload" error message. This issue is now resolved.

## Resolved Issues for 21.5.13-C-VEN

- **Readiness gate feature did not work for OpenShift 4** (E-85040)  
Because the Illumio OpenShift YAML files didn't support RBAC configuration, OpenShift deployment could fail. This issue is resolved. In this release, the Readiness Gate feature now works with OpenShift 4.
- **Unexpected policy convergence times for pods using a readiness gate could occur** (E-84830, E-81803)  
In a scaled environment with broad policy, some container workloads could take over 8 minutes for their Readiness Gate conditions to be set to true. This issue could occur even when the actual convergence time was much less than that. This issue has improved because Illumio improved the accuracy of setting the readiness gate in this release. The Readiness Gate should now be set to true very shortly after the container workload has converged.

- **Some pods weren't set to ready within the ready timer of the Readiness Gate** (E-81169, E-79378)

Applying settings to the Illumio Policy Readiness Gate on the pods could be delayed.

**NOTE:** The Illumio Readiness Gate is *not supported* on unmanaged pods. If you add the following Readiness Gate condition to any unmanaged pods, they might not be marked ready:

```
conditionType: com.illumio.policy-ready
```