



# Illumio<sup>®</sup> Core for Kubernetes

Version 3.0.0

Compatible PCE Versions: 21.5.30 and later

## Release Notes

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19000-100-21.5.17

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## Welcome

These release notes describe the resolved issues and related information for the Illumio Core for Kubernetes 3.0.0 release, formerly known as Illumio Containerized VEN, or C-VEN. Illumio Core for Kubernetes also includes the related required component, Kubelink. Because of this heritage, many references to this product as "C-VEN" are still used throughout the documentation.

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## What's New in This Release

The following are new and changed items in this release from the previous releases of C-VEN and Kubelink:

- **Deployment with Helm Chart**

Starting with the Illumio Core for Kubernetes 3.0.0 release, the product (including C-VEN and Kubelink) is now deployed by using a Helm Chart. The product components and the Helm Chart are downloaded from a public container repository, [quay.io](https://quay.io). For details, see the "[Deployment](#)" chapter in the "Illumio Core for Kubernetes and OpenShift Guide" in the Illumio Documentation Portal. Existing deployments can be migrated to use Helm Chart by following the procedure described in the "Migrate Existing Deployment to Helm Chart Deployment" chapter in the same guide.

- **Selector label changed for the Kubelink 3 with the Helm chart**

The `illumio-kubelink` selector name was changed from 'app' to 'name' with Kubelink 3 yml files (`illumio-kubelink3-kubernetes.yml`).

- **Warning labels differ in logs**

Kubelink now always gets the current state of resources, and loads the latest values, including labels, from the Kubernetes API. This removes confusing "INFO WARNING, LABELS DIFFER" messages from Kubelink logs.

To learn what's new and changed in previous versions of 21.5 C-VEN, see [What's New in This Release](#) on the Illumio Documentation Portal.

## Product Version

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

**Current Core for Kubernetes Version:** 3.0.0, which includes:

- C-VEN version: 21.5.17
- Kubelink version: 3.0.0
- Helm Chart version: 3.0.0

## Release Types and Numbering

Illumio 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 Core for Kubernetes 3.0.0

### Resolved Issue

- **Race condition occurred when pods died before being processed** (E-96276)  
Occasionally, if the PCE was under high load, a pod would terminate before the C-VEN received policy from the PCE for it, which caused the C-VEN to report a policy sync failure. Similarly, if the firewall tampering sweep tried to check the firewall for a pod that no longer exists, it would fail, report false tampering, and cause a full policy fetch, which created extra load on the PCE. This issue is resolved.

### Security Information for Core for Kubernetes 3.0.0

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.

## Base Image Upgraded

Since Core 21.5.15 C-VEN, Illumio upgraded the minimal Universal Base Image (UBI) to address vulnerabilities in systemd and systemd-libs (RHSA-2022:6160), and in bind-libs, bind-libs-lite, bind-license, and bind-utils (RHSA-2022:6765), and in expat (RHSA-2022:6834). Customers are advised to upgrade to Core for Kubernetes 3.0.0 for these security fixes.

The C-VEN base OS image is upgraded to minimal UBI for Red Hat Linux 7.9-802, which is available at <http://registry.access.redhat.com/ubi7/ubi-minimal:7.9-802.1665060346>.