



Illumio[®] Core for Kubernetes

Version 3.1.0

Compatible PCE Versions 21.5.30 and later

Release Notes

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Welcome

These release notes describe the resolved issues and related information for the Illumio Core for Kubernetes 3.1.0 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:

- **OVN support**
Our OpenShift support now adds OVN as a CNI. Note that OVN is supported only in configuration with one-cluster networks. OVN with multiple cluster networks is not supported.
- **New Kubelink 3.1**
This release includes an upgraded version of Kubelink. Kubelink 3.1 improves on the Kubernetes service reporting to the PCE with new optimizations and better performance.
- **Increased C-VEN Memory Allocation**
The allowed peak memory for pods has been increased to improve stability.

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: 3.1.0, which includes:

- C-VEN version: 21.5.18
- Kubelink version: 3.1.0

- Helm Chart version: 3.1.0

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 3.1.0

Resolved Issue

- **CVEN Kubernetes liveness traffic blocked after enforcement** (E-96165)
Rules to allow Host to Pod flow were not being added for Calico interfaces when these did not have IP addresses. This issue is resolved. The C-VEN now adds these rules for Calico interfaces even if they do not have IP addresses.

Security Information for Core for Kubernetes 3.1.0

Fixed a vulnerability in kpartx 0.4.9-135.el7_9 by upgrading it to 0.4.9-136.el7_9.

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 3.1.0 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>.