Illumio NEN Release Notes 2.4
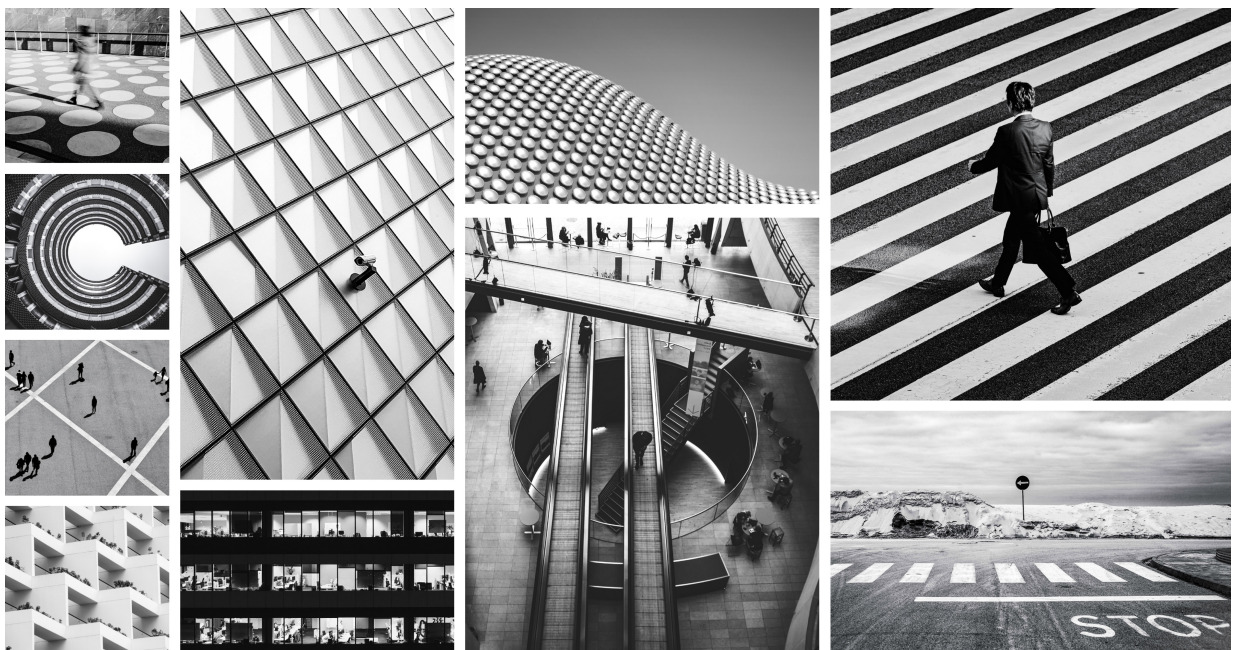
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About This Document

These release notes describe the resolved and known issues for the Network Enforcement Node (NEN) 2.4.*x* releases.

The NEN is the Illumio Core switch and Server Load Balancer (SLB) interface that provides visibility and enforcement on switches and SLBs.

See the NEN Installation and Usage Guide for information.

Product Version

NEN Version: 2.4.10

Compatible PCE Versions: 22.2.10, 22.2.0, 22.1.2, 22.1.1, 22.1.0, 21.5.30, 21.5.21, 21.5.2.0, 21.5.12, 21.5.10, 21.5.4, 21.5.3, 21.5.2, 21.5.1

Standard versus LTS Releases

For information about Standard versus Long Term Support (LTS) releases, see Versions and Compatibility in the Illumio Support portal (log in required).

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 "2.2"
- ".c": Maintenance release number, for example ".1"
- "-d": Optional descriptor for pre-release versions, for example "preview2"

What's New In This Release

To learn what's new and changed in this and earlier NEN releases, see *What's New in The Releases* in the latest NEN Installation and Usage Guide.

Resolved Issue in NEN 2.4.10

F5 AFM Policy Deletion for a Deleted VS Failed (E-92008)

When a NEN tried to delete a policy from an F5 BIG-IP Advanced Firewall Manager (F5 AFM) for a virtual server (VS) that had been deleted already, the NEN defaulted to treating the VS

like a non-AS3 managed VS. This resulted in the policy remaining on the F5 AFM. This issue is resolved and the NEN now makes sure (as originally intended) that no artifact of a policy remains on the SLB for a deleted VS.

Known Issues in NEN 2.4.10

There are no known issues in this release.

Resolved Issues in NEN 2.4.0

- **VS filtering failed to work correctly on secondary NEN nodes** (E-90850)

  The secondary NEN node didn't perform Virtual Server (VS) filtering even though VS filtering was enabled on the NEN. This meant that VS filtering occurred only on the primary NEN node, which sometimes caused the VS to appear and disappear in the PCE Web Console.

- **For an AVI SLB, NENs reported tenant names incorrectly in the non-admin tenant space** (E-90758)

  When discovering non-admin tenant Virtual Servers on an AVI multi-tenant Server Load Balancer (SLB), the NEN reported Virtual Server names according to their tenant **UUID** instead of their tenant **name** (**Infrastructure > Load Balancers > AVI SLB > Virtual Servers** tab). The NEN also used the tenant UUID in the API header it sent to the AVI SLB when it tried to program the Virtual Server. This prevented policy from being programmed on those Virtual Servers. This issue is resolved; NENs now correctly use the tenant name of discovered Virtual Servers.

- **When adding a switch, the list of supported switches was incomplete for the attached NENs** (E-85844)

  Given two active NENs attached to a PCE, each a different version supporting different switches:

  When adding a new switch through the PCE Web Console, the **Manufacturer** drop down list showed only switches that are supported by the first NEN in the **NEN host name** drop down list. This occurred regardless of which NEN host the user selected. The incomplete list of switches could've prevented users from selecting the precise switch type they were trying to integrate or might have lead them to select a switch type that's not supported by the selected NEN host. This issue is resolved. The **Manufacturer** list now shows the switch(es) supported by whichever host is selected in the **NEN host name** drop down list.

- **Memory leak in NEN process** (E-85114)

  When programming a large number of virtual servers, excessive memory consumption in the `network_enforcement_ndconfig` process could've resulted in an out-of-memory exception in rare circumstances. This issue is resolved.

Known Issues in NEN 2.4.0

There are no known issues in this release.

Limitation in NEN 2.4.0

Enforcement Boundaries not supported for NENs

The PCE doesn't support Enforcement Boundary policies for devices attached to the NEN.

Enforcement Boundaries are a security policy model available in the Core PCE for broadly managing communication across a set of workloads, ports, and/or IP addresses. They allow you to define the end state and then the PCE implements an Enforcement Boundary to create the appropriate native firewall rules. For more, see Enforcement Boundaries .