



# Illumio® FlowLink

Version: 1.1.2

Compatible PCE Versions: Core 21.3.0, 21.1.0, 20.2.0,  
20.1.0, 19.3.x

## Release Notes

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## Welcome

These release notes describe the enhancements, resolved, and known issues for the Illumio FlowLink 1.1.x release.

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## Product Version

**FlowLink Version:** 1.1.2+H2

**Compatible PCE Version:** 21.1.0 (Standard), 20.2.0 (Standard), 20.1.0 (Standard), 19.3.x (LTS)

### 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 “20.1”
- “.c”: Maintenance release number, for example “.1”
- “-d”: Optional descriptor for pre-release versions, for example “preview2”
- “+e”: Hot Fix release descriptor, for example “+H1”, “+H2”, “+H3”

## Resolved Issue in FlowLink 1.1.2+H2

- **FlowLink encountered a fatal error (E-77177)**  
Further investigation of this issue uncovered that FlowLink could still encounter the fatal error. While processing reported IPs in sFlow data, FlowLink could experience a race condition due to simultaneous update and read operations of the `reportedIps` table. This issue is resolved. The race condition no longer occurs which caused FlowLink to stop responding and close.

## Resolved Issues in FlowLink 1.1.2+H1

- **FlowLink printed error messages when parsing sFlow data (E-77019)**

When parsing sFlow data, FlowLink continuously wrote the following errors to the flowlink.log, causing the log to fill:

```
2021-03-16T22:21:10.038051-07:00 Error: unexpected EOF
2021-03-16T22:21:10.038120-07:00 Line: /usr/local/bin/flowlink/sflow_collector.go:742
2021-03-16T22:21:10.052053-07:00 Error: unexpected EOF
2021-03-16T22:21:10.052102-07:00 Line: /usr/local/bin/flowlink/sflow_collector.go:750
2021-03-16T22:21:10.052053-07:00 Error: unexpected EOF
2021-03-16T22:21:10.052102-07:00 Line: /usr/local/bin/illumio/flowlink/
sflow_collector.go:758
```

This issue is resolved. FlowLink no longer continuously writes these errors to the flowlink.log.

- **FlowLink encountered a fatal error (E-77177)**

While processing reported IPs in sFlow data, FlowLink encountered the following fatal error:  
fatal error: concurrent map read and map write

The fatal error caused FlowLink to stop responding and close. This issue is resolved. FlowLink is no longer affected by this fatal error, which caused it to stop responding and close.

## Enhancement in FlowLink 1.1.2

### Newly Discovered IP Addresses Displayed

Previously, you did not know which unmanaged workloads you may need to create because you did not know which IP addresses FlowLink was reporting to the PCE. From the FlowLink 1.1.2 release onwards, every time FlowLink sends flow data to the PCE, it reports the newly discovered IP addresses in its log.

## Resolved Issue in FlowLink 1.1.2

- **FlowLink was storing zero byte data file and not sending the data (E-70217)**

FlowLink was storing a zero byte data file. It was not sending the data with a response code 403 from the PCE. This issue is resolved and a zero length traffic flow file is not created in the data directory.

## Resolved Issue in FlowLink 1.1.1+H2

- **FlowLink time format incompatibility with IPFix on NetScaler (E-70139)**  
FlowLink was incompatible with the time format used by IPFix on NetScaler, which led to traffic processing errors on the PCE. This issue is resolved.

## Resolved Issues in FlowLink 1.1.1+H1

- **Compatibility issues with NetFlow V9 and V10/IPFix formats (E-69173)**  
NetFlow V9 and V10/IPFix formats failed to handle timestamps information in the 150-156 fields types correctly and that caused FlowLink to crash . This issue is resolved.
- **FlowLink data not displayed in Explorer (E-69016)**  
Due to incorrect (future) timestamps being assigned, data flows were not being displayed in Explorer. This issue only affected flows generated by NetFlow V5 and V7 and is resolved.

## Resolved Issue in FlowLink 1.1.1

- **Unable to install FlowLink on RHEL 6.10 (E-68015)**  
Installing the FlowLink RPM on RHEL 6.10 would fail and display an error. This issue is resolved and FlowLink can be successfully installed.

## Resolved Issue in FlowLink 1.1.0+H1

- **sFlow traffic not displayed in Illumination (E-65899)**  
The FlowLink application relies on sFlow to provide network traffic flow data for Illumination. FlowLink received sFlow events that it did not handle correctly and caused the traffic handler to crash. This issue is resolved and sFlow traffic is now visible in Illumination.