



NetFlow Optimizer™

Release Notes

Version 2.4.8 (Build 2.4.8.0.2)

February 2017

Contents

WHAT'S NEW IN THIS RELEASE	2
BUILD 2.4.8.0.2.....	2
<i>Introduce two factor authentication (2FA).....</i>	<i>2</i>
<i>NFv9/IPFIX Template persistence improvements</i>	<i>2</i>
<i>Log enhancements in Windows platform.....</i>	<i>2</i>
<i>NFO virtual appliance enhancements.....</i>	<i>2</i>
BUILD 2.4.7.0.23	2
<i>Announcement of product name change.....</i>	<i>2</i>
<i>NFv9/IPFIX Template persistence.....</i>	<i>2</i>
<i>Tomcat 8 migration</i>	<i>2</i>
<i>NFO Memory usage.....</i>	<i>2</i>
<i>Add Cisco AVC support to Security Ruleset.....</i>	<i>3</i>
<i>Implement server.log Rotation.....</i>	<i>3</i>
<i>Increase default java heap size.....</i>	<i>3</i>
<i>Allow non root user accessing Updater log files</i>	<i>3</i>
BUILD 2.4.6.0.1	3
<i>Improve Integration with Active Directory.....</i>	<i>3</i>
<i>Support IPFIX variable length fields.....</i>	<i>3</i>
<i>Add support of Cisco AVC fields.....</i>	<i>3</i>
WHAT'S BEEN FIXED IN THIS RELEASE	4
BUILD 2.4.8.0.2	4
<i>Unable to load vCenter parameters after upgrading</i>	<i>4</i>
KNOWN ISSUES	5
<i>Warning message when Updater reconnects.....</i>	<i>5</i>
<i>Memory Leak after Known malicious hosts list has been updated.....</i>	<i>5</i>
<i>Dashboard: statistics logging interval not displayed</i>	<i>5</i>

What's New in this Release

Build 2.4.8.0.2

Introduce two factor authentication (2FA)

Two Factor Authentication (2FA) functionality enables organizations with certificate policies to restrict access to NetFlow Optimizer GUI for configuration. This functionality, together with AD integration, ensures that only users with valid certificate from a designated user group have access to NFO (NFC-7561).

NFv9/IPFIX Template persistence improvements

Several improvements in usability and performance of Template persistence functionality (NFC-7747, NFC-7812).

Log enhancements in Windows platform

Implement --StdOutput and -StdError in Windows version of NFO for Tomcat's logging (NFC-7809).

NFO virtual appliance enhancements

Implement additional parameters in NFO virtual appliance: Domain and Search Path (Domain Suffix) (NFC-7810).

Build 2.4.7.0.23

Announcement of product name change

Our core product NetFlow Integrator, or NFI, is now called NetFlow Optimizer (NFO). All references to NetFlow Integrator or NFI in this document apply to NetFlow Optimizer. NFO upgrades can be applied to NFI installations. Internal file names and directory structures remain the same, so any external scripts you may have will still find logs and other information.

NFv9/IPFIX Template persistence

NFO cannot process incoming NFv9/IPFIX traffic unless it receives required templates from the exporters. As a result the incoming NF records are dropped. This behavior is tolerable at a very first run but it is undesirable after subsequent NFO server restarts.

NFO server collects unique templates along with the templates origins and periodically saves them in configuration DB. Upon a restart NFO reads saved templates, thus enabling processing of relevant flows without waiting for templates to be sent by exporters (NFC-4114).

Tomcat 8 migration

Implement NFO and NFO Updater to be based on Tomcat 8. Implement upgrade process from Tomcat 7 to Tomcat 8 (NFC-7523).

NFO Memory usage

Implement NFO [controller] memory usage improvements (NFC-7563).

Add Cisco AVC support to Security Ruleset

Implement support for Cisco AVC IPFIX templates in Module 10040: Visitors by Country, and in Security Modules 10050/52/53 (NFC-7578).

Implement server.log Rotation

Implement rotation of server.log. New file name has a timestamp, and it is subject to rotation rules. (NFC-7617, NFC-7618).

Increase default java heap size

Change -Xmx3g parameter to -Xmx6g (NFC-7634).

Allow non root user accessing Updater log files

Non-root user can read Server and Controller log files but not the Updater logs. Change permissions so it can be read by non-root user (NFC-7573).

Build 2.4.6.0.1

Improve Integration with Active Directory

Add “use DNS” feature when configuring integration with Active Directory (AD). This allows NFI administrators not to configure each AD server separately (NFC-7512, NFC-7531).

Support IPFIX variable length fields

NFI Original Flow Data functionality supports IPFIX variable length fields. These fields are encountered in Cisco AVC templates, and in Barracuda NextGen Firewall (NFC-7530).

Add support of Cisco AVC fields

Top Traffic Monitor and Top Pairs Monitor Modules support Cisco AVC IPFIX templates (NFC-7515).

What's Been Fixed in this Release

Build 2.4.8.0.2

Unable to load vCenter parameters after upgrading

Failure to load vCenter integration watchlist parameters in Modules 10180 (Network Operations Analytics) and 10264 (Microsegmentation Analytics) (NFC-7825).

Known Issues

Warning message when Updater reconnects

Affected Platforms: All

Description: When connection between Updater and NFO is lost and Updater reconnects, incorrect warning “*WARNING #409: There are 2 updaters connected to the NetFlow Optimizer with the same UID*” is given (NFC-7839).

Workaround: This is an incorrect warning message – please ignore.

Memory Leak after Known malicious hosts list has been updated

Affected Platforms: All

Description: When known malicious hosts list is updated manually or via Updater, about 19MB of memory is not released (NFC-7023).

Workaround: NFI should restart automatically. Restart manually if unexpected behavior is observed.

Dashboard: statistics logging interval not displayed

Affected Platforms: All

Description: Changing statistics logging interval, when changing the statistics-logging interval the statistics may not display based on the new value (NFC-2092).

Workaround: Reset the statistics to the default of 10 seconds using the reset option.