Release Notes for the Cisco NetFlow Generation Appliance

Release: 1.0 (1)
November 5, 2012, OL-26941-02

These release notes provide general information about Cisco NetFlow Generation Appliance (NGA) 3140 Software Release 1.0 (1).

This document includes the following sections:

New Features in Cisco NGA

Cisco NetFlow Generation Appliance (NGA) provides network visibility and establishes a new standard for high-performance, cost-effective solutions for flow visibility. It empowers network operations, engineering, and security teams with actionable insight into network traffic for the purpose of resource optimization, application performance improvement, traffic accounting, and security needs.

Cisco NGA 3140 is preinstalled with the Cisco NetFlow Generation Appliance Software Release 1.0 (1). Features include:

- Purpose-built, high-performance form factor.
- SPAN and network tap support
- Load balancing and flow replication across multiple collectors
- Support for up to six collectors
- Advanced filters for custom exports

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- Enhanced application recognition and reporting on the basis of port, port-ranges, and built-in heuristics
- Embedded GUI and command-line interface (CLI) for configuration
- NetFlow v5, v9, and IPFIX support
- Interface visibility using supported managed devices to populate NetFlow interface fields

For detailed feature descriptions see the "Overview" in the *User Guide for Cisco NetFlow Generation Appliance.*

Note This software is preinstalled on a UCS C-Series server. Where applicable, documentation may reference the UCS C-Series guides for hardware-specific tasks such as rack mounting and technical specifications. Because Cisco NGA is the only application running on this appliance, it does not require you to perform any maintenance or configuration tasks that may be associated with the UCS C-Series server. We recommend you do not attempt to open the appliance unless directed by a customer support representative.

Cisco NGA 1.0 (1) Bugs

This section provides information about active anomalies in the Cisco NGA software.

- Open Bugs, page 2
- Documentation Updates, page 3

To obtain more information about known problems, access the Cisco Software Bug Toolkit at the following URL:

http://www.cisco.com/cgi-bin/Support/Bugtool/home.pl

Open Bugs

Table 1 provides a list of open bugs in Cisco NetFlow Generation Appliance software. Each bug includes a description of the symptom, conditions in which the anomaly occurs, and any workaround.

Table 1 Known Bugs in Cisco NGA

Bug ID	Description
CSCtz39289	Application restarts if over 64 million flows terminate simultaneously. On rare occasions if you turn off Cisco NGA traffic in one action while there are great numbers of flow packets in the cache, Cisco NGA may restart. This is caused by the extremely high number of flows timing out at the same time. The impact of this behavior is low since this is at traffic shut down time.
CSCty67785	Using Microsoft Internet Explorer version 9, the GUI may not display some configuration check boxes. This will be fixed in the next release.
CSCty65650	Using the GUI to set local time synchronization does not work properly. This will be fixed in the next release.

Table 1 Known Bugs in Cisco NGA (continued)

Bug ID	Description
CSCty55686	On the Advanced Setup GUI page, an "Undefined error" displays when the **OK** button is clicked after you delete an entry and no entry is selected. Similar issue may occur on the filter dialog. This will be fixed in the next release.
CSCty53026	Inaccurate SNMP community string in Tech Support rpt or show tech CLI.
CSCty37106	Login GUI does not remember username
CSCty02430	L2 traffic may not be distributed evenly among the processing threads

Documentation Updates

Review the Cisco NGA 1.0 (1) Bugs section for required bug information. The following information is not available in the documentation that was included with the product image.

Updates for User Guide

Several updates were made to the *User Guide for Cisco NetFlow Generation Appliance* after the online help was published. To view the latest product information, see the release notes or the latest documentation on Cisco.com.

The following details will be added to the guide during the next release update:

- You must define a NetFlow v9 record counter field or no NetFlow data generates (since there is no data to collect).
- The v9 record name of an existing flow monitor may still be displayed after the particular flow monitor being edited and changed to exported NetFlow v5 type. The workaround is, while in flow monitor editing mode, use the backspace key to delete the Exporter name then un-select the v9 Record Name when this field becomes editable. Reselect the Exporter then save.
- Even though a negative value is allowed in the Application ID field, do not use any negative values.
- We recommend you carefully name your filters and avoid spaces or commas. If you use spaces and commas in the filter name you cannot add multiple filters to existing filters. This occurs when multiple filters are entered as a list but with spaces between the comma and the filter. You may need to retype all the filters if the filter requires any updates. No problems exist if there are no spaces between the comma and the filters.
- Currently NGA only keeps the last core dump file.
- Table 2 lists the ports used by the Cisco NGA for network communication.

Table 2 Ports Used by Cisco NGA in Network Deployments

Port	Description
TCP (22)	SSH—Port that NGA uses to collect configuration information from managed devices.
TCP (23)	Telnet—Port used for Telnet.
TCP (80)	HTTP—Default port if Cisco NGA is configured for access using HTTP.

Table 2 Ports Used by Cisco NGA in Network Deployments

Port	Description
UDP (161)	SNMP—The port used to communicate with the NAY's SNMP Agent.
TCP (443)	HTTPS—Default port if Cisco NGA is configured for access using HTTPS.

Documentation

Cisco NetFlow Generation Appliance (NGA) 3140

This section provides a list of the Cisco NetFlow Generation Appliance (NGA) 3140 software documentation. You can find links to all software documentation at the following URL:

http://www.cisco.com/en/US/products/ps12508/tsd_products_support_series_home.html

The following is a list of the documentation, in the order in which you should address it.

- *Command Reference Guide for the Cisco NetFlow Generation Appliance*
- *In-Box Documentation and China RoHS Pointer Card for the Cisco NetFlow Generation Appliance*
- *Quick Start Guide for the Cisco NetFlow Generation Appliance*
- *Regulatory Compliance and Safety Instructions for the NetFlow Generation Appliance (NGA) 3140*
- *Release Notes for the Cisco NetFlow Generation Appliance (this document)*
- *Third Party and Open Source Copyright Notices for the Cisco NetFlow Generation Appliance*
- *User Guide for the Cisco NetFlow Generation Appliance*

Related Documentation

This section provides information about other documentation related to the Cisco NetFlow Generation Appliance.

Cisco Nexus 7000 Series Switch

- *Cisco Nexus 7000 Series NX-OS System Management Configuration Guide, Release 5.x*
- *SPAN Configuration on a Nexus 7000 Series Switches*

Cisco Nexus 5000 Series Switch

- *Cisco Nexus 5000 Series NX-OS Software Configuration Guide*

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly What's New in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at the following URL:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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