Cisco Secure Network Analytics

Network Diagrams Release Notes v2.1

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Introduction

This document provides general information as well as any associated improvements and bug fixes for Network Diagrams v2.1.x. The latest version of Network Diagrams is v2.1.0.

Overview

The network diagram feature allows you to graphically monitor the status of your entire system in near real-time. With these network diagrams, administrators can easily view their organization's network traffic based on any criteria, such as location, function, or virtual environment.

To view the available video tutorials, see **Video Tutorials**.

Before You Begin

Before you install Network Diagrams, please read this section.

> ℹ️ Network Diagrams is subject to export control laws and regulations. By downloading Network Diagrams, you agree that you will not knowingly, without prior written authorization from the competent government authorities, export or re-export (directly or indirectly) Network Diagrams to any prohibited destination, end user, or for any end use.

App compatibility with Secure Network Analytics

When you update Secure Network Analytics, the app that is currently installed is retained; however, the app may not be compatible with the new Secure Network Analytics version. Refer to the Secure Network Analytics Apps Version Compatibility Matrix to determine which app version is supported by a particular version of Secure Network Analytics.

You can have only one version of an app installed on your Manager. Use the App Manager page to manage your installed apps. From this page you can install, update, uninstall, or view the status of an app. Refer to the following table to learn about the possible app statuses.

Since it is possible that a newer version of an app exists and is not listed in App Manager, always check to see if a newer version is available in Cisco Software Central.

> ⚠️ When you are updating to a later version of an app, simply install the newer version over the existing version. You do not need to uninstall your existing app. If you uninstall Network Diagrams, all files associated with it, including temporary files, are removed.

Status	Definition	Action to Take
UpToDate	Your installed app is the most current version.	No action is required.
UpdateAvailable	You have upgraded to a new version of Secure Network Analytics. Your existing app is supported by this version of Secure Network Analytics, but a new version of this app is available.	If you desire, go to Cisco Software Central to download and install the latest version (this replaces your existing version).
UpgradeRequired	You have upgraded to a new version of Secure Network Analytics, and your existing app is not supported by the Secure Network Analytics version you are now using.	To continue using this app, go to Cisco Software Central to download and install the latest version (this replaces your existing version).
AppNotSupported	You have upgraded to a new version of Secure Network Analytics. This app may no longer be supported by the version of Secure Network Analytics you are now using. It could be that this app has been deprecated or a newer version of this app has not yet been released.	Go to Cisco Software Central to see if a new version has been released.

Resource usage

Network Diagrams supports multiple Flow Collectors and domains. The traffic shown in a network diagram represents the data observed in the current domain and all its associated Flow Collectors.

Network Diagrams

- supports multiple Flow Collectors and domains
- requires the following amount of disk space:
    - /lancope – 50 MB
    - /lancope/var – 280 MB (Keep in mind that this disk space volume is a starting point, and consumption grows up to an additional 2 GB as your system accumulates more data.)

To find the disk usage statistics for an appliance, complete the following steps.

1. In the Web App, click the Global Settings icon, and choose **Central Management** from the drop-down menu.
2. Click the **Appliance Manager** tab.
3. Click the **Actions** menu for the appliance and choose **View Appliance Statistics** from the menu.
4. If prompted, log in to the associated interface.
5. Scroll down to the Disk Usage section.

Failover

Upon installation, Network Diagrams is installed on both the primary and secondary SMCs. However, although Network Diagrams is fully functional on the primary Manager, it is available only in View mode on the secondary Manager since the data was copied to the secondary Manager. If the secondary Manager becomes the primary Manager, Network Diagrams functions on the new primary Manager.

- If the apps or app versions on your Primary and Secondary Managers do not match, the apps may not function properly. When there is a mismatch, a message on the App Manager page in Central Manager is displayed prompting you to sync your apps or app versions.

Backup

Refer to the following table to know if Network Diagrams data and configuration settings can be backed up.

If I perform this type of backup...	Will the associated data be backed up?
Configuration	• All diagrams and all components in the Network Diagrams pane (including images you have uploaded) are backed up.
Database	• No app-specific data is backed up.

Install Network Diagrams

To install Network Diagrams, access Central Management and click the App Manager tab.

- If the available disk space in Secure Network Analytics is between 100–300 MB, a message appears informing you how much remaining disk space Secure Network Analytics has. In this situation, it is possible that the Network Diagrams app may require more disk space than is available. See **Resource usage** in this document to verify how much disk space is required for the Network Diagrams app.
- If Secure Network Analytics has less than 280 MB of disk space, you cannot install this app.

Video Tutorials

Use the following video tutorials as needed to help you learn how to use some of the network diagrams functionality.

- Create a basic network diagram
- Bend edges
- Create a relationship policy that points back to itself

App Compatibility Notice

Secure Network Analytics apps were introduced in v7.0.0 of Secure Network Analytics.

Secure Network Analytics apps are similar in concept to the apps you install on a smartphone. They are optional independently releasable features that enhance and extend the capabilities of Secure Network Analytics. You can install, update, and remove Secure Network Analytics apps using App Manager, which you can access in the Web App under the Central Management menu option.

The release schedule for Secure Network Analytics apps is independent from the normal Secure Network Analytics upgrade process. Consequently, we can update Secure

Network Analytics apps as needed without having to link them with a core Secure Network Analytics release.

To simplify the Secure Network Analytics customer experience, only one version of a Secure Network Analytics app is available to install at any point in time (similar to the app store model). Although we strive for maximum app compatibility, not all versions of an app are compatible with all versions of Secure Network Analytics. To learn which app version is supported by a particular version of Secure Network Analytics, see the Secure Network Analytics Apps Version Compatibility Matrix.

Some apps may require you to upgrade to the latest version of Secure Network Analytics. In addition, when you upgrade your system, you may need to upgrade some or all of the apps.

Cisco reserves the right to discontinue a Secure Network Analytics app at any time. There may be many reasons for doing so, including but not limited to the following:

1. The equivalent capabilities provided by the app are now provided elsewhere, either via a new version of the app, a new app, or via a feature in Secure Network Analytics.
2. The capabilities provided by the app are no longer considered relevant or useful to our customer base.

If the decision is made to discontinue a Secure Network Analytics app, advance notice is provided at least sixty days prior to the discontinuation date. Although Secure Network Analytics apps are currently included with your Secure Network Analytics license, Cisco reserves the right to charge license fees for certain Secure Network Analytics apps in the future.

Online Help

To access the online help for this app, click the (**Help**) icon located next to the topic heading in the upper left corner of the page.

What's Been Fixed

This section summarizes fixes made in this release. The Secure Network Analytics story number is provided for reference.

Version 2.0.2

Defect	Description
SWAPP–191	When pivoting from a diagram to perform a flow search, if the relationship policy had monitoring filters defined, they were not applied to the flow search. Now monitoring filters are applied to the flow search.
SWAPP–222	When duplicating a diagram, you could receive a system error message. Now when duplicating a diagram you do not receive a system error message.
SWAPP–267	When you pressed the Delete key while editing a label for an edge, sometimes the label was deleted, and in rarer instances, the related host group was deleted. Now when you press the Delete key while editing a label, neither the label nor the related host group is deleted.
SWAPP–294	When you created a new domain, it did not contain the default diagrams. Now when you created a new domain, it contains the default diagrams.
SWAPP–309	If you did not possess permissions to use Policy Management, you could edit a diagram. Now if you do not possess permissions to use Policy Management, you cannot access this feature.

Version 2.0.3

Defect	Description
SWAPP–175	Although you might not have permission to view some alarms, you could still view them in diagrams. Now you see only the alarms for which you are

Defect	Description
	authorized.
SWAPP-195	When you didn't have permission to view Policy Management and tried to access that page, you saw a blank page. Now you will not see the Policy Management option in the menu if you do not have permission for that functionality.
SWAPP-203	When using Network Diagrams on narrower screens, you sometimes couldn't read the entire host group name if the name was long. Now you can hover over the host group name to see the entire host group name.
SWAPP-268	When you edited a Host Group label or text element in Firefox, you could lose your changes after pressing Enter. Now your edits are always saved.
SWAPP-269	On Firefox, pivoting Policy Management from the Network Diagrams could be blocked by the browser. Now you can pivot to Policy Management in Firefox.
SWAPP-279	When you tried to leave the Network Diagrams app with unsaved changes, sometimes the app displayed the confirmation dialog twice. Now the app displays the confirmation dialog once.
SWAPP-303	When an application error was displayed, its position was incorrect on narrow screens. Now the error message is positioned correctly.
SWAPP-365	When you wanted to clear a search entry in the Host Group tree, you had to erase the entry and press Enter.

Defect	Description
	Now you can also clear the search entry by pressing an X that displays at the end of the Search field.
SWAPP-369, SWAPP-308	The Diagram Name and Description fields didn't have a character limit, so when you saved a diagram whose name or description was too long, the app would display an error message. Now you can enter a name with a maximum of 200 characters and description with a maximum of 500 characters.
SWAPP 379	In rare cases you could not open some diagrams if one of the policies referenced a custom application that had no name. Now you can successfully open these diagrams.
SWONE-6314, SWONE-5967	You could save a diagram whose Diagram Name field contained only a space, due to you inadvertently entering a space in that field. Now the app trims all spaces that may exist at the beginning of Diagram Name and Description entries.

Version 2.0.4

Defect	Description
LVA-1940	There was a defect that allowed a subset of the app's REST API endpoints to be called without authentication (for example: images, failover status). Now authentication is required to access all of the app's REST API endpoints.

Version 2.0.5

Defect	Description
SWONE-11622	Network Diagrams now supports CSRF protection. Network Diagrams versions prior to v2.0.5 do not work with Secure Network Analytics v7.3.2 with enabled CSRF protection.
SWD-16286	Fixed an error that occurred when sending report information to Google Analytics.

Version 2.0.6

No fixes were necessary for this version.

Version 2.1.0

Defect	Description
SWAPP-259	When you dragged a host group to a diagram, Host Classifier did not place it in the correct position within the diagram. Now the host group is placed in the correct position within the diagram.
SWAPP-417	When in the Flow Search results you clicked **View Diagram**, nothing happened. Now when you click **View Diagram**, the diagram is displayed.

Contact Support

If you need technical support, please do one of the following:

Call

- Your local Cisco Partner
- Cisco Support
    - (U.S.) 1-800-553-2447
    - Worldwide support number:
      https://www.cisco.com/c/en/us/support/web/tsd-cisco-worldwide-contacts.html

Open a case

- By web: http://www.cisco.com/c/en/us/support/index.html
- By email: tac@cisco.com

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