Upgrade Secure Network Analytics (SNA) Best Practices

Contents

Introduction

This document describes some best practice information about upgrades to Secure Network Analytics (SNA) (formerly known as Stealthwatch).

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

Version Skips

SNA only supports upgrades from one major version to the next. (For example from 6.9.x to 6.10.x or 7.1.x to 7.2.x.) Version skips are not supported. If the user is comfortable with reset of all data to a factory default state then a hardware appliance can be reimaged, a new VM can be installed, or the "SWU Skipper" can be used to go direct to the target version.

Software Downloads and Upgrade Guides

- Software and guides for versions 7.1 and higher can be found at Cisco Software Central
- Software and guides for versions previous to 7.1 are no longer available

Hardware Support Matrix

The information in this section is pulled from the Cisco Secure Network Analytics Hardware and Software Version Support Matrix guide.

Manager

∎ - Performs at full capacity on hardware	◦ - Supported, but performance not optimal	x - Not supported

Manager

Appliance	Platform	Gen	v7.0	v7.1	v7.2	v7.3	v7.4	v7.4.1	v7.4.2	v7.5.0
Manager 2200	UCSC-C220	M4S	∎	∎	∎	∎	∎	∎	∎	∎
Manager 2210	UCSC-C220	M5SX	∎	∎	∎	∎	∎	∎	∎	∎
Manager 2300	UCSC-C225	M6SX	x	x	x	x	x	x	∎	∎

Flow Collector

● - Performs at full capacity on hardware			o - Supported, but performance not optimal				x - Not supported			

Flow Collector

Appliance	Platform	Gen	v7.0	v7.1	v7.2	v7.3	v7.4	v7.4.1	v7.4.2	v7.5.0
FC 4200	UCSC-C220	M4S	●	●	●	●	●	●	●	●
FC 4210	UCSC-C220	M5SX	●	●	●	●	●	●	●	●
FC 4300	UCSC-C225	M6SX	x	x	x	x	x	x	●	●
FC 5020 Engine	UCSC-C220	M4S	●	●	x	x	x	x	x	x
FC 5020 Database	UCSC-C240	M4S2	●	●	x	x	x	x	x	x
FC 5200 Engine	UCSC-C220	M4S	●	●	●	●	●	●	●	●
FC 5200 Database	UCSC-C240	M4S2	●	●	●	●	●	●	●	●
FC 5210 Engine	UCSC-C220	M5SX	●	●	●	●	●	●	●	●
FC 5210 Database	UCSC-C240	M5SX	●	●	●	●	●	●	●	●

Data Store

● - Performs at full capacity on hardware	o - Supported, but performance not optimal	x - Not supported

Data Store

Appliance	Data Nodes	Platform	Gen	v7.3	v7.4	v7.4.1	v7.4.2	v7.5.0
DS 6200	3	UCSC-C240	M5SX	●	●	●	●	●
DN 6300	1	UCSC-C225	M6SX	x	x	x	●	●

Appliance	Required?	Supported Models
Data Store	yes	• DS 6200 multi node (v7.4 or greater) or single node (v7.4.1 or greater), Virtual Edition • DN 6300 multi node or single node (v7.4.2 or greater), Virtual Edition
Manager	yes	• Manager 2200, Virtual Edition • Manager 2210 or Manager Virtual Edition (v7.4 or greater). Four models available for virtual edition • Manager 2300 or Manager Virtual Edition (v7.4.2 or greater).
Flow Collector	yes	• Flow Collector 4200s, 5200s, Virtual Edition • Flow Collector 4210s or Flow Collector Virtual Edition (v7.4 or greater)* • Flow Collector 4300s or Flow Collector Virtual Edition (v7.4.2 or greater)* • Flow Collector 5210s or Flow Collector Virtual Edition (v7.4 or greater)* * Four models available for Virtual Edition
Flow Sensor	no	• For M5SX and earlier generations, any model at v7.4 or greater. • For the M6SX generation, Flow Sensors are only supported at v7.4.2 or greater.
UDP Director	no	• any model at v7.3 or greater

> ⓘ Mix and match of Data Nodes is not supported. Data Nodes must be either all virtual or all hardware and they must be from the same hardware generation (all DS 6200 or all DN 6300).

Flow Sensor

● - Performs at full capacity on hardware	○ - Supported, but performance not optimal	x - Not supported

Flow Sensor

Appliance	Platform	Gen	v7.0	v7.1	v7.2	v7.3	v7.4	v7.4.1	v7.4.2	v7.5.0
FS 1200	UCSC-C220	M4S	●	●	●	●	●	●	●	●
FS 1210	UCSC-C220	M5SX	●	●	●	●	●	●	●	●
FS 1300	UCSC-C225	M6SX	x	x	x	x	x	x	●	●
FS 2200	UCSC-C220	M4S	●	●	●	●	●	●	●	●
FS 3200	UCSC-C220	M4S	●	●	●	●	●	●	●	●
FS 3210	UCSC-C220	M5SX	●	●	●	●	●	●	●	●
FS 3300	UCSC-C225	M6SX	x	x	x	x	x	x	●	●
FS 4200	UCSC-C220	M4S	●	●	●	●	●	●	●	●
FS 4210	UCSC-C220	M5SX	●	●	●	●	●	●	●	●
FS 4240	UCSC-C220	M5SX	x	x	●	●	●	●	●	●
FS 4300	UCSC-C225	M6SX	x	x	x	x	x	x	●	●

Flow Replicator/UDP Director

● - Performs at full capacity on hardware	○ - Supported, but performance not optimal	x - Not supported

Flow Replicator/UDP Director

Appliance	Platform	Gen	v7.0	v7.1	v7.2	v7.3	v7.4	v7.4.1	v7.4.2	v7.5.0
UD 2200	UCSC-C220	M4S	●	●	●	●	●	●	●	●
UD 2210	UCSC-C220	M5SX	●	●	●	●	●	●	●	●

App Compatibility Matrix

The information in this section is pulled from the [Secure Network Analytics Apps Version Compatibility Matrix](#)

ETA Cryptographic Audit

App Name	Version Number	Compatible Secure Network Analytics Versions	Compatible Secure Network Analytics Data Store Versions
ETA Cryptographic Audit	1.0.22	7.0.0	None
	1.0.27	7.0.0, 7.0.2, 7.0.3, 7.1.1, 7.1.2, 7.1.3	None
	2.0.2	7.2.1, 7.3.0	None
	2.0.3	7.3.0	None
	3.0.0	7.3.1	None
	3.1.0	7.3.2	7.3.2 (Audit Report only)
	3.2.0	7.4.0	7.4.0 (Audit Report only)
	3.2.1	7.4.1	7.4.1 (Audit Report only)
	3.2.2	7.4.2	7.4.2 (Audit Report only)
	3.3.1	7.5.0	7.5.0 (Audit Report only)

Host Classifier

App Name	Version Number	Compatible Secure Network Analytics Versions	Compatible Secure Network Analytics Data Store Versions
Host Classifier	1.0.4	7.0.0	None
	1.0.9, 1.0.11, 1.0.13	7.0.0, 7.0.2, 7.0.3, 7.1.1, 7.1.2, 7.1.3	None
	2.0.3	7.2.1	None
	2.0.4	7.2.1, 7.3.0, 7.3.1	None
	2.0.6	7.3.0, 7.3.1, 7.3.2	None
	3.0.0	7.4.0	None
	3.1.1	7.4.0, 7.4.1	None
	4.0.2	7.4.2	None
	4.1.1	7.5.0	None

Network Diagrams and Report Builder

App Name	Version Number	Compatible Secure Network Analytics Versions	Compatible Secure Network Analytics Data Store Versions
Network Diagrams	1.0.3	7.1.1, 7.1.2, 7.1.3	None
	2.0.2	7.2.1, 7.3.0	7.3.0
	2.0.3, 2.0.4	7.3.0, 7.3.1	7.3.0, 7.3.1
	2.0.5	7.3.2	7.3.2
	2.1.0	7.4.0	7.4.0
	2.1.1	7.4.1	7.4.1
	2.2.1	7.4.2	7.4.2
Report Builder	1.1.2, 1.1.5, 1.1.6	7.3.0	7.3.0
	1.2.1, 1.3.1, 1.3.2, 1.3.4	7.3.1	7.3.1
	1.4.1, 1.4.4, 1.4.5	7.3.2	7.3.2

Security Analytics and Logging on Prem and Visibility Assessment

App Name	Version Number	Compatible Secure Network Analytics Versions	Compatible Secure Network Analytics Data Store Versions
Security Analytics and Logging On Prem	1.0.0	7.3.0, 7.3.1	None
	2.0.1, 2.0.2	7.3.1, 7.3.2	7.3.2
	3.0.0	7.4.0	7.4.0
	3.1.0	7.4.0, 7.4.1	7.4.0, 7.4.1
	3.2.0	7.4.2	7.4.2
	3.3.0	7.5.0	7.5.0
Visibility Assessment	1.0.4	7.0.0	None
	1.0.7, 1.0.11, 1.0.14	7.0.0, 7.0.2, 7.0.3, 7.1.1, 7.1.2, 7.1.3	None

Upgrades by Version

Upgrade Version 7.0.x to 7.1.x

Upgrades to versions: 7.1.1, 7.1.2, 7.1.3

Software Downloads: Software is available from Cisco Software Central

Upgrade Guide: [Update guide for 7.0.x to 7.1.3](#)

Upgrade Version 7.1.x to 7.2.1

Upgrades to versions: 7.2.1

Software Downloads: Software is available from [Cisco Software Central](#)

Upgrade Guide: currently unavailable

Upgrade Version 7.2.x to 7.3.x

Upgrades to versions: 7.3.0, 7.3.1, 7.3.2

Software Downloads: Software is available from [Cisco Software Central](#)

Upgrade Guide: currently unavailable

Upgrade Version 7.3.x to 7.4.x

Upgrades to versions: 7.4.0, 7.4.1 and 7.4.2

Software Downloads: Software is available from [Cisco Software Central](#)

Upgrade Guide: [Update guide for 7.3.x to 7.4.0 or 7.4.1](#)

Upgrade Guide: [Update guide for 7.3.x to 7.4.2](#)

Upgrade Version 7.4.x to 7.5.x

Upgrades to versions: 7.5.0

Software Downloads: Software is available from [Cisco Software Central](#)

Upgrade Guide: [Update guide for 7.4.x to 7.5.0](#)

Software Support Timelines

Typically a release is covered under Software Maintenance for 12 months post-release and receives Vulnerability and Security Fixes for 18 months post-release. More information about the SNA software Release Model and release support timeline is available from [Cisco Stealthwatch® Software Release Model and Release Support Timeline Product Bulletin](#).

This table lists support timelines from release 7.1.1 onwards.

Version	Release Date	End of Software Maintenance (EoS)	End of Vulnerability & Security Support (EoVSS)
7.5.0 *	22 January, 2024	22 January, 2025	22 July, 2025

7.4.2	26 March, 2023	26 March, 2024	26 September, 2024
7.4.1	09 May, 2022	09 May, 2023	09 November, 2023
7.4.0	02 November, 2021	02 November, 2022	02 May, 2023
7.3.2	01 June, 2021	01 June, 2022	01 December, 2022
7.3.1	04 Feb, 2021	04 February, 2022	04 August, 2022
7.3.0	03 September, 2020	03 September, 2021	03 March, 2022
7.2.1	17 June, 2020	17 June, 2021	01 July, 2022
7.1.1	16 August, 2019	16 August, 2020	01 July, 2022

* indicates the currently recommended version

End of Life (EOL) Notices

FlexNet EOL

FlexNet licensing went EOL on Dec 31, 2022. All SNA licensing moved to CIsco Smart Licensing.

Global Threat Analytics (GTA) EOL

GTA is scheduled to go EOL on July 31, 2024. The EOL notice also discusses migration options.