

# *Release Notes for Cisco Prime Network Analysis Module 6.4(1)*

**Revised:** August 31<sup>st</sup> , 2018

This document supports the release of the Cisco Prime Network Analysis Module (Prime NAM) 6.4(1) image. This is a full image that can be used for initial installation, as well as for upgrading an existing installation from an earlier NAM 6.x release.

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# 1 Prime NAM 6.4(1) Image Contents

The Cisco Prime NAM 6.4(1) image contains the following changes over 6.3(2):

- New Features
  - Added support for the new NAM-2520 appliance platform.
  - In the capture decode window, under the tools button, added IMF (Email) as a new option for Export Objects.
  - vNAM smart licensing: added support for Permanent License Reservation (PLR) mode.
  - NAM 24xx/25xx appliances: added support for UEFI boot.
  - DNA Center Assurance integration:
    - Implemented TLS in cdb\_export
    - Improved cdb\_export stability
    - Added support for getting 802.11 wireless quality metrics like round trip time and delay.
    - Added support for getting 802.11 wireless QoS-related metrics
- Updated Features and Functionality
  - SSL/TLS certificate installation: added support for loading a user-provided private key and signed cert (instead of requiring a CSR to be generated on the NAM itself)
  - Transaction monitoring-related pages/charts: renamed “FTP Commands” to “FTP”.
  - NAM 24xx/25xx appliance helper menu: improved user experience on Configure Capture RAID settings by consolidating the capture build destroy menu and the rebuild menu into one menu
- Removed Features and Functionality
  - NAM 24xx/25xx appliance helper menu: removed the following unused option:
    - 8 – Install application image from flash and reformat HDD
- General Bug Fixes
  - Fixed a potential crash in SIP fragment packet processing
  - Fixed a potential crash in DNS PTR packet processing
  - Fixed a potential crash when decoding sliced packets
  - Fixed a deadlock issue with DNS packet processing
  - Fixed a memory leak in long-term data aggregation processing
  - Fixed a decode issue involving large or reassembled packets in pcap files
  - Fixed a KVM vNAM issue with timestamps of captured packets
  - Fixed a smart license service crash issue and SAMsgThread high CPU issue
  - Fixed a stability issue in the vNAM smart license GUI status
  - Fixed an issue with image/patch installation via the “Administration / System / Upgrade or Patch” GUI page

- Fixed an issue with scheduled exports disappearing after reboot or upgrade
  - Fixed an issue with SMB file sharing not working after reboot
  - Fixed an issue with GUI configuration of netconf devices
  - Fixed an issue with site subnet detection when the incoming host number is large
  - Fixed an issue with PTP time sync on NAM 2420/2440 appliances
  - Fixed some content issues on the Audit Trail page
- Security Bug Fixes
    - Update PHP to address multiple vulnerabilities
    - Update Samba to address multiple vulnerabilities
    - Mutually exclude segment write and execute to protect against memory error exploits
    - CVE-2018-5391 (FragmentSmack): add a CLI command to toggle setting the IP fragment threshold
  - Browser Compatibility
    - Firefox ESR 52
    - Internet Explorer 11

## 2 Installing the Prime NAM 6.4(1) Image

**Note:** NAM-3, NAM-NX1, and NAM-2304/2320 platforms are not supported in the NAM 6.4(1) release.

For the new NAM-2520 platform, please refer to the NAM-2520 installation/configuration guide.

For other supported platforms (vNAM and NAM-24xx appliances), the upgrade procedure for the NAM 6.4(1) image is the same as for 6.3(2). In general, placing the 6.4(1) upgrade image on an FTP/HTTP/SCP/SFTP server and issuing the **upgrade <image-url>** command from the NAM CLI will suffice.



If you are upgrading a NAM-24xx appliance from a NAM 6.2 release (rather than NAM 6.3), you *must* pass the **reformat** option, as described in the next paragraph. This is required in order to support packet capture performance improvements first introduced in NAM 6.3.

If you prefer a fresh install of the application image (i.e., existing configuration and packet capture data will **not** be carried over), issue the CLI command

**upgrade <image-url> reformat**

With the **reformat** option, **both configuration data and packet capture data will be lost. Ensure that your configuration data is backed up and packet capture data is downloaded and saved as needed.**

Notes:

1. After upgrading to 6.4(1), the telnet service will be disabled by default to meet Cisco product security requirements. Use the CLI command “exsession on” to re-enable the telnet service if needed.
2. Scheduled exports were re-designed in NAM 6.3. If you are upgrading from a release earlier than 6.3, any existing scheduled export jobs will be displayed in a separate tab. These legacy jobs will continue to run, but they cannot be edited (only deleted). To edit a legacy scheduled export, re-create the export in the new scheduled exports system and delete the legacy export.

### 3 Verifying the Prime NAM 6.4(1) Image Installation

To verify that the Prime NAM 6.4(1) image was installed successfully, execute the “*show version*” CLI command. The following version details should appear:

NAM application image version: **6.4(1) RELEASE SOFTWARE [fc6]**

### 4 Obtaining Documentation, Support and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly [What's New in Cisco Product Documentation](#), which also lists all new and revised Cisco technical documentation.

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

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