

# ***Release Notes for Cisco Prime Network Analysis Module 6.3(2)***

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This document supports the release of the Cisco Prime Network Analysis Module (NAM) 6.3(2) image. This is a full image that can be used for initial or recovery installation, as well as for upgrading an existing installation from the NAM 6.0, 6.1, or 6.2 release series.

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# 1 NAM 6.3(2) Image Contents

The Cisco Prime NAM 6.3(2) image contains the following changes over NAM 6.2.x. 6.2.x in this document refers to 6.2(2) for NAM-2404 and 6.2(1-b) for all other NAM platforms.

Note: The NAM 6.3(2) release does not include support for the NAM-NX1 platform. Support will be restored in a future release.

- New Features and Functionality
  - Added application transaction analysis for 802.1x/EAP, ARP, DHCP, DNS, FTP, HTTP, ICMP, Kerberos, LDAP, RADIUS, SMB Authentication, TLS.
  - Added Japanese UI localization.
  - Added support for scheduled exports on detailed views. Also, added an “Export Now” button to trigger an immediate export.
  - On Administration / System / Preferences page, added a configuration option to exclude encapsulations, such as VLAN and MPLS labels, from flow identification.
  - On Capture Session Create and Edit pages, added an option to invert the logic of a software capture filter (i.e., capture all non-matching packets and exclude all matching packets).
  - On Setup / Managed Device / Device Information page, added an SNMP test button/message for adding multiple managed devices.
  - Added a UI popup indicator while system processes are restarting.
  - For ERSPAN to Data Port on NAM 2300 and 2400 series appliances, added more erspan-mode options for users to select, either in encapsulation mode or strip-off mode.
  - Added checksum verification of config backup files for more secure restore.
  - Added on-disk compression of traffic monitoring data (CDB tables).
- Updated Features and Functionality
  - New GUI look and feel.
  - Updated NBAR2 application classification engine and signatures.
  - The command to rebuild the capture RAID partition now also formats the partition, so a subsequent reformat/recovery install of the application image is no longer needed.
  - Improved monitoring performance on KVM-based vNAM.
- Removed Features and Functionality
  - Removed WAAS support.
  - Disabled SMB1 file sharing support for security reasons. SMB 2/3 file sharing remains available.
- General Bug Fixes

- Fixed a system crash issue caused by fragmented IP packets.
  - Fixed a core dump issue when running “show configuration” after “config clear”.
  - Fixed an issue with scheduled export jobs disappearing after a system reboot.
  - Fixed an error when saving filtered packets in the capture decode window.
  - Fixed issues with capturing to files on external iSCSI storage.
  - Fixed a test connectivity failure when submitting managed device info.
  - Fixed a SPAN creation issue when there are multiple managed-devices.
  - Fixed a “no interface data” error for managed devices with SNMPv3 AuthNoPriv or SNMPv3 NoAuthNoPriv.
  - Fixed an issue with custom web server port configuration not being carried across an image upgrade.
  - Fixed an issue with decoding NetFlow packets requiring templates.
  - Fixed issues with voice/video monitoring, and improved video call and media stream correlation.
  - Fixed issues with the IPv6 ERSPAN parser.
  - Fixed an issue with multiple queues on ESXi vNAM.
  - Fixed a packet slicing issue.
  - Fixed an issue with capture sessions disappearing after a system reboot.
  - Fixed an issue with the debug port agent overwriting aggregation configurations.
  - Fixed an issue where managed devices can stop working.
  - Fixed an issue with the NIC clock not syncing to the Linux clock.
  - Fixed an issue where the “shutdown” CLI command fails to shut down the system.
  - Fixed an issue where the “traceroute” CLI command may stop working intermittently.
  - Fixed an issue with the REST API “nbi-system” endpoint not returning the correct product name.
- Security Bug Fixes
    - [CSCvh20057](#) – Linux Kernel Loaded ELF Executables Local Privilege Escalation Vulnerability (CVE-2017-1000253)
    - [CSCvh00264](#) – Multiple Vulnerabilities in Samba (CVE-2017-14746, CVE-2017-15275)
    - [CSCvh00332](#) – PHP timelib\_meridian Function Heap Buffer Overflow Vulnerability (CVE-2017-16642)
    - Fixed a path traversal issue (ZDI-CAN-4918)
    - Fixed a Samba RCE issue (CVE-2017-7494)
  - Browser Compatibility
    - Firefox ESR 45 and 52
    - Internet Explorer 11
    - Chrome 62 and 63 (unofficial support)

- SECPA software is tested against Chrome during development. However, Chrome cannot be officially supported because it has no long-term stable release series – Chrome users are generally automatically upgraded to the latest release, which may contain breaking changes that cannot be anticipated.

## 2 Upgrading to NAM 6.3(2)

Notes:

- NAM-NX1 platform: NAM 6.3(2) does not include support for this platform. Support will be restored in a future release.
- KVM-based vNAM: Upgrading via the .bin.gz upgrade image is not supported. A new KVM vNAM instance must be created using the NAM 6.3(2) .iso image.

For **NAM-3** and **ESXi-based vNAM** platforms, place the 6.3(2) software upgrade (.bin.gz) image on an FTP, HTTP, or SCP/SFTP server and issue the CLI command

**upgrade <image-url>**

Both configuration data and packet capture data will be carried over from the old release to 6.3(2) when upgrading this way. This is recommended for most NAM-3 and ESXi-based vNAM users.

For **NAM 2304/2320** and **NAM 2404/2420/2440** appliances, or if you prefer a fresh install of the application image (i.e., existing configuration and packet capture data will **not** be carried over), place the 6.3(2) software upgrade (.bin.gz) image on an FTP, HTTP, or SCP/SFTP server and 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.**

The **reformat** option is **required** for NAM 2300 and 2400 series appliances in order to support packet capture performance improvements.

Notes:

1. After upgrading to 6.3(2), 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 6.3(2). After upgrading to 6.3(2), 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 NAM 6.3(2) Image Installation

To verify that the NAM 6.3(2) image was installed successfully, execute the “*show version*” command. The following version details should appear:

NAM application image version: **6.3(2) RELEASE SOFTWARE [fc9]**

### 4 Known Issues in Release 6.3(2)

CSCvh17008	scheduled exports sometimes sent based on UTC instead of local system timezone
CSCvh32860	PTP time sync not working on NAM 2420 and 2440 appliances
CSCvh59626	GUI upgrade doesn't work

### 5 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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