



# RELEASE NOTES

nCommand MSP  
version 9.1.1  
July 15, 2016

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## Introduction

nCommand MSP 9.1.1 is a major system release that addresses customer issues that were uncovered in previous code releases.

This release is generally available code. Results obtained during internal testing have been evaluated and the code has been determined to be ready for general availability. Caveats discovered during testing but not addressed in this build are listed in [Errata on page 5](#).

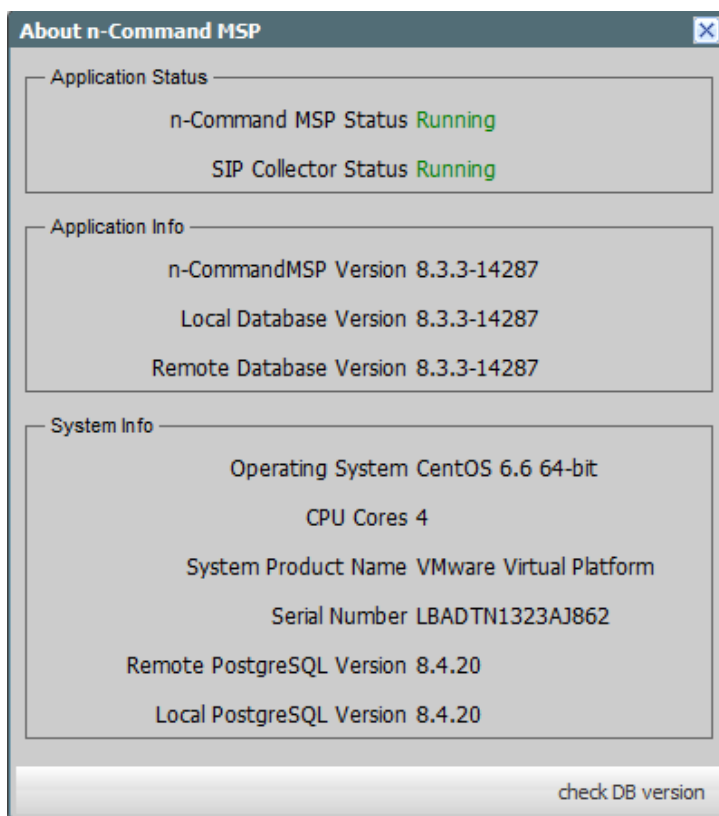
Documentation can be found on ADTRAN's Support Forum, <https://supportforums.adtran.com>, as well as in the in-product accessible online help.

## Unsupported Platforms

The NetVanta 450 n-Command Hardware Appliance is not supported in version 9.1.1. The highest supported version for that hardware is version 8.3.3.

## Supported Upgrade Path

Only servers running host Operating System CentOS 5.6 and above can properly upgrade to version 9.1.1. If your server is running CentOS version 5.5 or below, please contact ADTRAN Product Support at [www.adtran.com/openacase](http://www.adtran.com/openacase) for assistance with your upgrade. To check the current CentOS version on n-Command, log into the admin dashboard at **http:<IP address or hostname of server>/msp**. Navigate to **Help->About n-Command MSP** and view it next to **Operating System** as shown in the image below:



## Features and Enhancements

**This section highlights the major features, commands, or behavioral changes in nCommand MSP 9.1.1.**

- Added tasks to allow pre- and post-condition checks for jobs. These checks allow users to: ensure a device is in the proper state before applying an update, fail the job for that device if it is not in the proper state, and ensure the device is in a valid state after the job executes.
- Certain parameters may now be read/verified to further validate that a device is functioning correctly.
- Permissions have been added to prevent a user from editing a configuration that was generated using a configuration template.
- Added support for virtual AOS (vAOS) products.

## Fixes

**This section highlights major bug fixes in nCommand MSP 9.1.1.**

- Apache has been updated to the latest release to resolve several security issues.
- User permissions issues, which could interfere with downloading specific files from a backup point on the nCommand MSP server, have been corrected.
- The CVE-2011-3389 BEAST vulnerability has been resolved.
- The webserver configuration has been adjusted to address multiple vulnerabilities.
- The OpenSSL package has been upgraded to resolve several vulnerabilities.
- Upgrade jobs performed on a NetVanta 3130 Annex A device failed if the device had only one firmware version set.
- The critical CVE-2015-7547 Glibc vulnerability has been resolved.
- The Network Time Protocol daemon has been updated to address security vulnerabilities.
- Restore jobs using a device's latest backup did not function.
- Configurations with an extension of .cfg could not be uploaded for use with an Install Config job.

## Errata

**The following is a list of errata that still exist in nCommand MSP 9.1.1.**

- The MSP web server defaults are not set correctly to address the Logjam vulnerability CVE-2015-4000.
- A user is unable to create greater than 11 static routes.
- Performing a System Restart on the Admin page performs a server reboot instead of a n-Command MSP Service restart.
- File uploads fail when using HTTPS with Mozilla Firefox or Google Chrome. This affects license certificate uploads, firmware file uploads, and configuration file uploads (for preinstall configuration jobs). **Workaround:** Use Internet Explorer.