



# ADTRAN Switch Engine (ASE)

## Release 4.4-42

Release Notes

6AMCRN4442-40A

October 2020



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# 1. Introduction

Release 4.4-42 is a major system release that adds new features and addresses customer issues that were uncovered in previous releases for the ADTRAN Switch Engine (ASE) switches.

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](#).

Configuration guides, white papers, data sheets, and other documentation can be found on ADTRAN's Support Forum, <https://supportforums.adtran.com>. The contents of these release notes will focus on the platforms listed in [Supported Platforms on page 4](#).

## 2. Supported Platforms

[Table 1](#) lists the platforms that are supported in ASE firmware release v4.4-42.

**Table 1. Supported Platforms**

Platform	Part Number	Version
NetVanta 1560-08-150W	17108108PF2	4.4-42
NetVanta 1560-24-740W	17108124PF2	4.4-42
NetVanta 1560-48-740W	17108148PF2	4.4-42
NetVanta 1560-08-65W	17101561PF2	4.4-42
NetVanta 1560-24-370W	17101564PF2	4.4-42
NetVanta 1560-48-370W	17101568PF2	4.4-42

## 3. Features and Enhancements

This section highlights the major features, commands, and behavioral changes for all products running ASE version 4.4-42:

- Added support for Dynamic Host Control Protocol (DHCP) generic options. DHCP options can be used to send additional information to clients connecting to the DHCP server, such as vendor class, host name, authentication credentials, or other standard or vendor-specific information. DHCP options are specified in the DHCP pool configuration of the CLI, using a valid option range of **0** to **255** and supporting string text, hexadecimal, or decimal dotted notation formats. DHCP options can also now be configured in the ASE GUI using the new **Numbered Options** tab of the **DHCP Server Pool** configuration menu (**Configuration > DHCP > Server > Pool**).

## 4. Bug Fixes

This section highlights major bug fixes for all products running ASE release 4.4-42.

- Fixed an issue in which Simple Network Management Protocol (SNMP) parameters were enabled by default.
- Fixed an issue in which RADIUS and TACACS server host configurations would not function correctly.
- Fixed an issue in which supported DHCP server option ranges did not match between the command line interface (CLI) and graphical user interface (GUI).

- Fixed an issue in which the help content associated with DHCP features in the GUI was not complete.
- Fixed an issue in which DHCP server pool IP addresses were reported incorrectly in both the CLI and GUI.
- Fixed an issue in which the **Add New Option** button in the **DHCP Server Pool** GUI configuration would delete the newly added option.
- Fixed an issue in which the **Reset** function of the **Add New Numbered Option** feature in the **DHCP Server Pool** GUI configuration would not actually reset.

## 5. Errata

The following is a list of errata that still exist in all products running ASE 4.4-42.

- The hexadecimal client ID for DHCP operation is not functioning correctly (using the **client-id hex** command).
- Spanning-tree may incorrectly prevent Link Aggregation Group (LAG) links from becoming active when **max-bundle** is set to **1**. **Workaround:** Set the **max-bundle** to a value higher than **1**.
- Rebooting the switch from the console interface returns the following incorrect error message:  
*RedBoot(tm) bootstrap and debug environment [ROMRAM] Non-certified release, version 1\_5-38e0421 - built 15:33:42, Jun 1 2018.*
- When configured for Link Aggregation Control Protocol (LACP) and switching back to the original active port after an active/standby port switchover, the traffic switchover takes longer than expected (exceeding three minutes).
- The **access-list shutdown** command does not shutdown the interface despite the traffic matching the access control list (ACL) match criteria.

## 6. Warranty and Contact Information

Warranty and contact information for all ADTRAN products can be obtained using the information in the following sections.

### Warranty

Warranty information can be found online by visiting [www.adtran.com/warranty](http://www.adtran.com/warranty).

### Contact Information

To contact ADTRAN, choose one of the following methods:

Department	Contact Information	
<b>Customer Care</b>	From within the U.S.:	(888) 4ADTRAN ((888)-423-8726)
	From outside the U.S.:	+1 (256) 963-8716
<b>Technical Support</b>	Support Community	<a href="http://www.supportforums.adtran.com">www.supportforums.adtran.com</a>
	Product Support:	<a href="http://www.adtran.com/support">www.adtran.com/support</a>
<b>Training</b>	Email:	<a href="mailto:training@adtran.com">training@adtran.com</a>
	ADTRAN University:	<a href="http://www.adtran.com/training">www.adtran.com/training</a>
<b>Sales</b>	For pricing and availability:	1 (800) 827-0807