



# ADTRAN Switch Engine (ASE)

## 4.4-43 Release

Release Notes

6AMCRN4443-40A

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## To the Holder of this Document

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# 1. Introduction

Release 4.4-43 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://supportcommunity.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 v4.4-43.

**Table 1. Supported Platforms**

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

## 3. Features and Enhancements

This section highlights the major features, commands, and behavioral changes for all products running ASE version 4.4-43:

- Added support for the RADIUS Change of Authorization (CoA) feature. This new feature, as defined in RFC 5176, can be used to implement authorization policy changes for users or devices that are already authenticated. When policy changes are required, RADIUS CoA packets can be sent from a configured authorization server to apply those policy changes and reauthenticate the user or device. This feature is often used to assign 802.1x-authenticated users to a particular VLAN, or in instances where users move from one switchport connection to another, without requiring specific IT configuration of the switchports.

## 4. Bug Fixes

This section highlights major bug fixes for all products running ASE release 4.4-43.

- Fixed an issue in which grammatical errors were displayed on an alert when attempting to configure the flow control and priority flow control features in the **Port Configuration** GUI menu.
- Fixed an issue in which MEP configuration fields in the GUI would accept invalid values, such as the special characters #, @, -, and so on.
- Fixed an issue in which the **clear** command was not listed in the EPS instance configuration context.

- Fixed an issue in which the RADIUS server host key configuration was removed after selecting the **Save** button in the **RADIUS Server Configuration** GUI menu.
- Fixed an issue in which the **retransmit** and **timeout** parameters were missing from the **no radius-server** CLI command.
- Fixed an issue in which the definition for the **attribute** keyword was missing from the **no radius-server** CLI command.
- Fixed an issue in which, after changing a client identifier name in the hexadecimal format, the old client identifier name was still included in DHCP packets.
- Fixed an issue in which inconsistencies were displayed in both the CLI and GUI for MEP TLV and MEP CC configurations.
- Fixed an issue in which there was a discrepancy between CLI and GUI configuration options for EPS domain configurations.
- Fixed an issue in which QoS configuration information was displayed in the CLI output of the **show run feature <lacp aggregation>** command.
- Fixed an issue in which the CLI displays an option to configure an EVC domain, but EVC MEP creation failed.
- Fixed an issue in which the **Refresh** button did not function in the **IGMP Snooping VLAN Configuration** and **MLD Snooping VLAN Configuration** GUI menus when configuration was completed in the CLI.
- Fixed an issue in which IPv6 configuration of a QoS control list entry (QCE) accepts IPv4 addresses in the CLI and displays an IPv4 address of **0.0.0.0** in the IPv6 QCE configuration GUI menu.
- Fixed an issue in which the GUI allowed a **0.0.0.0** mask value to be specified in the **Frame Type IPv4/IPv6 SIP/DIP** field of the QoS QCE configuration menu without producing an error message.
- Fixed an issue in which a configured alternate software image would not load if an incorrect software image was uploaded to the switch.
- Fixed an issue in which SNMP server configuration information was displayed in the CLI output of the **show run feature eps** command.
- Fixed an issue in which the **Loss Measurement Availability** field of the MEP configuration GUI menu allowed invalid interval values to be specified.
- Fixed an issue in which the timestamp associated with a directory did not reflect the configured time zone setting.
- Fixed an issue in which DHCP configuration information was displayed in the CLI output of the **show run feature <lacp aggregation>** command.

## 5. Errata

The following is a list of errata that still exist in all products running ASE 4.4-43.

- CCM frame rates may change automatically after adding a second MEP peer to the OAM configuration. For OAM configurations with multiple peers (multipoint OAM), the hardware (VOE) does not handle the CCM messages but rather forwards those messages to the CPU. To keep the CPU from being overloaded, only one frame per second is supported.
- RADIUS server statistics may be reset if global RADIUS server configuration changes are made when configuring the RADIUS CoA feature.
- Linux DHCP assignments based on source MAC addresses do not work.
- SNMPv3 views being configured in the CLI using the **snmp-server view** command will not accept the asterisk character as a wildcard for including an entire subtree family as part of the view. For example, entering the command as follows will return an error: **snmp-server view MIB2 .1.3.6.1.2.1.\* include**.

- Configuring SNMP views to include an entire subtree family, but exclude a specific OID of that subtree in the same view, will not function properly.
- 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="https://supportcommunity.adtran.com">https://supportcommunity.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