ADTRAN Switch Engine (ASE)

4.4-44 Release

Release Notes

6AMCRN4444-40A

June 2021

To the Holder of this Document

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1. Introduction

Release 4.4-44 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 6*.

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 v4.4-44.

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 4.4-44:

- Added support for the **write** command. When entered from the Enable mode prompt, this command saves any configuration changes to the switch's startup configuration.

- Enhanced the **show version** command by including the switch's serial number in the command output.

- Increased the switch banner size to **1520** characters.

- Increased the number of entries supported in management access control lists (ACLs) to **64** entries.

- Added support for the **copy tftp://**<*TFTP server address*>/<*filename*> **flash** command. This command allows you to specify that a certain file is copied from a TFTP server to the ASE switch's flash memory. The <*TFTP server address*> parameter specifies the TFTP server's IP address in decimal dotted notation (i.e., **x.x.x.x**), and the <*filename*> parameter specifies the name of the file to copy (for example, **testconfig.txt**).

- Added support for TACACS+ authentication of enable mode logins.

- Added the ability to delete an **admin** user (a user with the **admin** user ID). To delete the **admin** user, a new user must be created with privilege level 15 permissions. If a user is configured with a privilege level lower than 15, they cannot delete a user with the **admin** user ID.

■ Updated the DHCP IP address assignment process so that the DHCP server checks the MAC address of the client to determine if there is an available IP address to assign the client, without the client providing DHCP Option 61 information.

4. Fixes

This section highlights major bug fixes for all products running ASE release 4.4-44.

■ Fixed an issue in which SNMPv3 views being configured in the CLI using the **snmp-server view** command would not accept the asterisk character as a wildcard for include an entire subtree family as part of the view.

■ Fixed an issue in which configuring SNMP views to include an entire subtree family, but exclude a specific OID of that subtree in the same view, did not function properly.

■ Fixed an issue in the VLAN GUI configuration in which only the port **Mode** was reset, and VLAN **Egress Tagging** was not, after selecting the **Reset** button.

■ Fixed an issue in which the CLI help text was missing for the **ipv6 traceroute** command.

■ Fixed an issue in which the **Reset** button for a port's **Link Event Configuration** GUI page was malfunctioning.

■ Fixed an issue in which the **variable-retrieve** option of the **link-oam** command in an interface's CLI configuration kept appearing even though it is not supported.

■ Fixed an issue in which the **Clear** button in the **Monitor** > **Link-OAM** > **Statistics** GUI menu would clear all the interface statistics, rather than clearing the port selected from the drop-down menu.

■ Fixed an issue in which the MEP **Loss Measurement Availability** default setting was incorrect in the **Performance Monitor** GUI menu for the MEP.

■ Fixed an issue in which port security CLI configuration would allow violation limits to be configured even when the interface was not configured to be in **restrict** mode.

■ Fixed an issue in which banner options appeared differently based on whether the device was accessed via telnet or SSH.

■ Fixed an issue in which the GUI help topic for **DHCP Server Pool** configuration was absent.

■ Fixed an issue in which the GUI help topic for the **Detailed Link OAM Link Status** menu included instructions for a **Clear** button that is not available in the GUI menu.

■ Fixed an issue in which the **Priority** drop-down menu in the **PoE Global Port Configuration** GUI menu was disabled.

■ Fixed an issue in which a value could not be entered in the **Maximum Power [W]** field of the **PoE Configuration** GUI menu.

■ Fixed an issue in which ports that do not support PoE were still listed in the **PoE Port Configuration** menu.

■ Fixed an issue in which PoE schedule information was missing from the **PoE Configuration** help topic in the GUI.

■ Fixed an issue in which the **Reset** button on the **PoE Auto-Checking** GUI menu did not function correctly.

■ Fixed an issue in which the **Reset** button on the **PoE Schedule Profile** GUI menu did not function correctly.

■ Fixed an issue in which 10G copper SFP fixed speeds were not supported.

5. Errata

The following is a list of errata that still exist in all products running ASE 4.4-44.

- CCM frame rates may change automatically after adding a second MEP peer to the OAM configuration. For OAM configurations with multiple peers (multi-point 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.

- 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.

- Auto-negotiated speeds for 10G copper SFPs are not currently supported.

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.

Contact Information

To contact ADTRAN, choose one of the following methods:

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