Adtran

SDG PlumeOS

1.0.23.0 Release Notes

Release Notes

6POSRN10230-40A
June 2022

To the Holder of this Document

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1. Introduction

The PlumeOS 1.0.23.0 firmware release for Adtran's Service Defined Gateway (SDG) products is a system release that addresses customer issues uncovered in previous code releases.

The 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 Community, 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 Adtran's SDG 1.0.23.0 PlumeOS release.

Table 1. Supported Platforms

Platform
834-5

> **ℹ NOTE**
>
> *Mosaic Device Manager (MDM) customers must ensure that ACS instances are updated with the latest drivers.*

3. System Notes

PPPoE and IPoE require different firmware files. The following are the firmware files to use for each version:

- DHCP Release: **plos-834-mkt-arm-1.0.23.0.run**
- PPPoE Release: **plos-834-mkt-arm-1.0.23.0-generic-pppoe.run**

To utilize PPPoE, you must use the generic PPPoE release. The default credentials are autoconfig/management, which must be set in your PPPoE server. Once the device boots, you can use an ACS to push the correct PPPoE credentials. Note that your device must be activated with Adtran's activation server to perform this function.

> **ℹ NOTE**
>
> *The 834-5 PlumeOS requires an ACS to manage firmware and cannot be update through the Plume Cloud.*

4. Features and Enhancements

This section highlights features and enhancements included in the PlumeOS 1.0.23.0 release.

- ■ PLOS-307   Increased the size of the logpull file to increase the amount of data captured to assist in network troubleshooting issues.

> **i** **NOTE**
>
> *NPT is currently enabled in the PlumeOS 1.0.23.0 release, but is not currently supported. It will be supported and released in a future Device Manager Plugin update.*

5. Fixes

This section highlights major bug fixes in the PlumeOS 1.0.23.0 release.

- ■ PLOS-189   Fixed an issue in which the **easycwmp_set_acs_url** command, when issued by an admin user, did not point the device to the configured URL.

- ■ PLOS-213   Fixed an issue where, in some cases, two instances of DHCPv6 clients could run simultaneously and caused multiple IPv6 addresses to be pulled.

- ■ PLOS-301   Fixed an issue in which a configured ACS URL was not persistent through device reboots.

- ■ PLOS-305   Fixed an issue in which the TR0-69 process would intermittently lock up, causing the unit to fail to communicate to the cloud.

- ■ PLOS-327   Fixed an issue in which, in some cases, full wireless capabilities were not being advertised to clients, thus causing poor wireless performance.

- ■ PLOS-370   Fixed an issue in which an initial device connection SSID was being broadcast until the unit completed connecting to the Plume Cloud.

- ■ PLOS-382   Fixed an issue in which, in some cases, radar detection for DFS did not function correctly.

- ■ PLOS-388   Fixed an issue in which the watchdog timer was not always properly firing on watchdog events, causing unexplained device reboots.

- ■ PLOS-398   Fixed an issue in which duplicate or missing events were occurring in the reboot time machine. Additionally addressed an issue in which reboots due to health check failures, cold boots, and user triggered reboots were not reported to the Plume Cloud properly causing the Plume reboot time machine to contain incorrect data.

- ■ PLOS-513   Fixed an issue in which the logpull certificate had expired, causing logpulls to fail to upload to the Plume Cloud.

- ■ PLOS-518   Fixed an issue in which, when operating in PPPoE mode, some devices requested two separate PPPoE sessions.

- ■ PLOS-521   Fixed an issue in which optimizations from the Plume Cloud were not always processed, leading to inefficient power/channel settings.

- ■ PLOS-536   Fixed an issue in which DNS requests were looping when the WAN link dropped or DNS servers became unreachable.

- ■ PLOS-544   Fixed an issue in which the **easycwmp_restart** command was missing from the admin user CLI.

- PLOS-609   Fixed an issue in which TR-69 functionality was not reliable when the WAN connection was set to DHCP.

- PLOS-630   Fixed an issue in which the DHCP process could only restart five times in normal operations (such as resetting the link), causing DHCP to stall on the device. This process is now monitored and can restart as many times as needed.

6. Errata

The following is a list of errata that still exist in the PlumeOS 1.0.23.0 firmware release.

- PLOS-218   With Plume Guard enabled, firewall rules will be intermittently changed, causing some devices (such as wireless cameras) to stop functioning.

- PLOS-488   **Booted** and **Uptime** values are not displayed for PlumeOS SDGs in Plume Frontline.

- SDGP-14   The Plume Cloud incorrectly shows that the device supports uPnP, although it does not.

- SDGP-15   The WPS button on the device is non-functional. WPS is not supported in this release.

7. Upgrade Instructions

Upgrading Adtran's SDG products to the latest version of software is outlined in the following sections.

Step 1: Upgrading Firmware

All PlumeOS software must be managed via TR-69 upgrades. For information on performing the upgrade via Mosaic Device Manager (MDM), refer to the *Updating Firmware* article included in the MDM online help for specific instructions.

Step 2: Verifying the Version

SDG software versions can be verified either via the ACS or by using the Plume Frontline tool. Instructions for both methods are provided in this section.
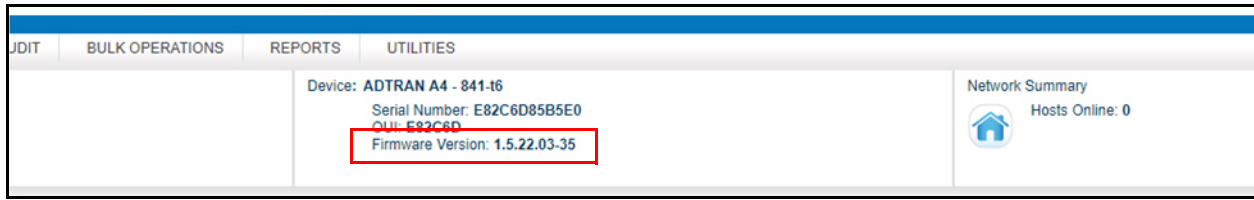
Verifying Software Version Using the ACS

To verify the SDG software version using the ACS, follow these steps:

1. Log into the ACS URL (**https://**<*customer instance name*>**.smartrg.com**), using your specific customer instance name and your login credentials.

2. Enter the device serial number (or subscriber associated with the device) into the **Find Subscriber or Device** search bar and select the magnifying glass to execute the search.
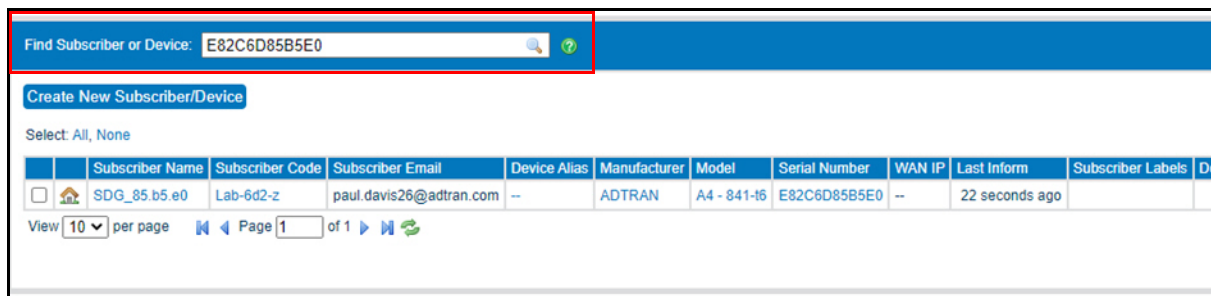
3.Once the device is located, select the device link to open the **Device** page. The **Firmware Version** is displayed in the middle of the menu.

Verifying Software Version Using Plume Frontline

To verify the SDG software version using Plume Frontline, follow these steps:

1.Access the Frontline tool by entering the following address in your browser https://portal.plume.com/home, and then log in using your login credentials.

2.Navigate to the **Applications** menu, and select **Frontline Tier 1**. In the resulting search bar, enter your Plume account or node ID (for example, **device@customer.com**).

3.Once the account page is displayed, select **Pods and Nodes** from the menu on the left.

4.In the **Pods and Nodes** menu, locate your specific pod and you can view your **Firmware Vers** directly under the **Device Type** (as shown in the image below).
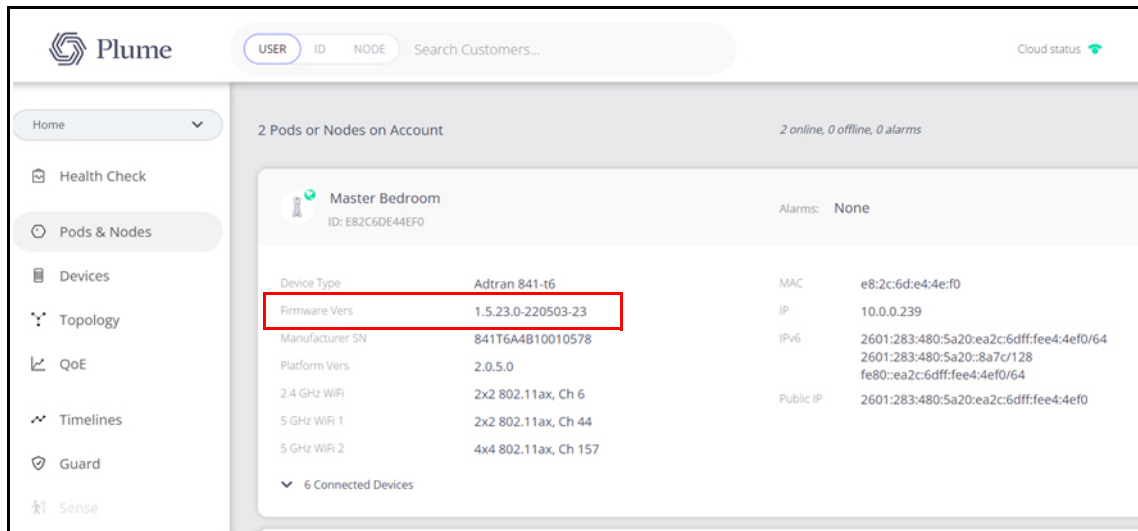
8. Restoring the Factory Defaults

To restore the factory default settings to your device, press and hold the **Reset** button on the device for **30 seconds**. Do not hold the button for longer than **55 seconds**, as that will cause the device to roll back to the last bootable firmware version.

9. Warranty and Contact Information

Warranty information can be found online by visiting www.adtran.com/warranty-terms.

To contact Adtran, choose one of the following methods:

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