Adtran

SDG SmartOS

12.1.3.1 Release Notes

Release Notes

To the Holder of this Document

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1. Introduction

The SmartOS 12.1.3.1 software release for Adtran's Service Delivery Gateway (SDG) products is a major system release that introduces new features and 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 SDG platforms that are supported in Adtran's SmartOS 12.1.3.1 release.

Table 1. Supported SDG Platforms

Platform
834-5
834-v6
841-t6
854-6
854-v6

Table 2 lists the voice soft switches supported in the SmartOS 12.1.3.1 release.

Table 2. Supported Voice Soft Switches

Soft Switch
Allianza
Metaswitch
Voiceflex

> **i** | **NOTE**
>
> *Voiceflex is supported with the following limitations:*
>
> - *Voiceflex occasionally generates registration response with **0** binding (no Contact header/expiry information).*
> - *NAT with randomized port mapping causes Voiceflex registration response to have multiple bindings (multiple Contact headers).*
> - *No packets are received from Voiceflex when the SDG generates comfort noise packets only. Silence suppression needs to be disabled when using Voiceflex.*
> - *SIP INVITE messages from Voiceflex may come too soon after MWI NOTIFY messages, causing a "no ring" issue.*

3. System Notes

SDG SFP Support

The 610 and 630 SFPs are now supported with the SmartOS 12.1.3.1 release. However, there are performance limitations associated with this support. These limitations are outlined below:

- In some cases, when using 610s GPON SFU ONT (P/N 1442535F3) in an SDG 854-6 or 854-v6 device, upstream throughput may be limited to a less than expected rate. If the GPON upstream shaper is set between 300 to 1000 Mbps, upstream throughput may be limited to 200 to 300 Mbps in worst case scenarios. This condition can be avoided by setting the GPON upstream shaper to less than or equal to 1000 Mbps.

- The SDG 854-(v)6 SFP interface is not hot-swappable while the device is on. The unit must be powered off prior to installing an SFP module.

4. Features and Enhancements

Features and Enhancements in 12.1.3.1

- Added support for system event logging. Logs are available via Mosaic One or the SDG device CLI.

- Added support for content filtering.

- Added support for **Node-Perf**, a mesh speedtest that is executable from the device CLI.

- Added support for Wi-Fi Telemetry for Intellifi.

- Added SFP support for the 610 and 630. There are performance limitations associated with this support, which are outlined in the *System Notes* section above.

5. Fixes

Fixes in 12.1.3.1

This section highlights major bug fixes in the 12.1.3.1 release.

- OWRT-8004   Fixed an issue in which PPPoE and IPv6 would not function correctly when used simultaneously.

- OWRT-8157   Fixed an issue in which some 854-v6 SDG devices would not properly be assigned IP addresses.

- OWRT-8172   Fixed an issue in which some SDG devices were periodically unable to maintain DHCP addresses correctly, and would intermittently release those addresses.

- OWRT-8179   Fixed an issue in which some 834-v6 SDG devices were not able to make emergency calls.

- OWRT-8183   Fixed an issue in which the DDNS service could hang, causing it to fail to operate and also causing an inability to create firewall rules.

6. Errata

The following is a list of known issues that still exist in the 12.1.3.1 release.

- OWRT-7404   Cannot create an IPv6 firewall rule in the GUI with a subnet designation higher than /32.

- OWRT-7578   A device cannot be upgraded on first contact via ACS. **Workaround:** Reboot the unit and then run the upgrade and it will be successful.

- OWRT-7590   Configuration backup and restore options do not function correctly.

- OWRT-7681   WPS clients do not reliably stay connected to Wi-Fi.

- OWRT-7718   Intellifi Satellite will check into an ACS prior to switching to **Satellite** mode, causing there to be an entry in the ACS though the unit will not continue to inform via TR-69.

- OWRT-7962   TR-143 Speed Test Diagnostics do not function properly when the management and data interface are separate PPPoE VLANs.

- OWRT-8014   SmartOS Intellifi Mesh satellites will show up as wired clients in SHA even though they are connected wirelessly.

- OWRT-8136   Call transfers with Broadsoft are intermittently failing.

- OWRT-8421   In some cases, APs and radios are slow to turn off and can get stuck in various states, causing iPhone connections to fail.

- OWRT-8536   Guest Wi-Fi does not function correctly on wired 834 and 854 SDGs configured as Satellites.

- OWRT-8581   Some host labels are not applied and do not display correctly in the **Intellifi Devices** GUI page.

- OWRT-8587   AutoLAN/APAS does not work for routed IPTV services.

- OWRT-8654   Intellifi satellite pairing fails if the satellite device is too far way (signal level is less than -60dB).

7. Upgrade Instructions

Upgrading Adtran SDG products to the latest version of firmware is outlined in the following sections.

Step 1: Upgrading Firmware

1. Open a web browser, connect to **192.168.1.1/admin**, and login with the username **admin**, and the password assigned to your device.

2. Select **Admin** > **Update**, and then select the **Browse** button to locate the appropriate firmware image.

3. Once the appropriate firmware image has been located, select **Update Software** to begin the upgrade. The image will be uploaded to the device and the device will automatically reboot upon completion.

Step 2: Verifying the Version

1. After the device has completed rebooting, press the **F5** key to refresh your browser, and then reconnect to 192.168.1.1/admin to log back into the device. The **Device** > **Summary** menu page appears.

2. Verify the version information in the **Software Version** field.

8. Defaulting the Device

Restoring Factory Default Settings

To restore the factory defaults to the gateway, follow these steps:

1. Navigate to **Admin > Configuration** in the GUI menu on the left, and select the **Factory Default** tab.

2. Select the **Factory Reset** button and confirm the changes.

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
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Sales	For pricing and availability:	1 (800) 827-0807