Adtran

SDG SmartOS

12.4.6.1 Release Notes

Release Notes

To the Holder of this Document

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Adtran

901 Explorer Boulevard
P.O. Box 140000
Huntsville, AL 35814-4000
Phone: (256) 963-8000

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1. Introduction

The SmartOS 12.4.6.1 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 12.4.5.1 release.

Table 1. Supported SDG Platforms

Platform
834-5
834-v6
841-t6
854-6
854-v6
8612
8614
8622
8632

Table 2 lists the voice soft switches supported in the SmartOS 12.4.6.1 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, 630, and BiDi (P/N 1442110G1 & G2) SFPs are now supported with the SmartOS 12.4.6.1 release. However, there are performance limitations associated with this support. These limitations are outlined below:

> **i** **NOTE**
>
> *Only Adtran SFPs are supported on SDG devices at this time.*

- The SDX 610 with P/N 1442535F2 is not supported with this release.
- 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.
- The SDX 630 XGSPON ONU SFP requires a newer version of the SDG 854-(v)6 device to accommodate the larger size SFP. Contact your Adtran sales representative for more details.

SDG Device Upgrades

In some cases, SDG devices cannot be upgraded on first contact via ACS. **Workaround:** Reboot the unit and then run the upgrade.

Home Analytics Support

Mosaic Home Analytics is NOT supported in the new SDG 8600 Series models. In all other SDG 800 Series models, Home Analytics must be disabled if Intellifi is enabled.

4. Features and Enhancements

Features and Enhancements in 12.4.6.1

This section highlights new features and enhancements in the 12.4.6.1 release.

- Added the ability to specify up to 4 cross-connects..

- Added the ability to deploy cross-connect services via TR181.

- Added advanced device fingerprinting functionality.

5. Fixes

Fixes in 12.4.6.1

This section highlights major bug fixes in the 12.4.6.1 release.

- OWRT-9281   Fixed an issue which, in some cases, would cause incorrect WiFi information in **Topology**.
- OWRT-9348   Fixed an issue which, in some cases, AutoWAN would continue to run after discovering the WAN IP on untagged DHCP.
- OWRT-9555   Fixed an issue which, in some cases, DMC would not populate the WiFi password when encryption was set to WPA2/WP3 mixed mode.
- OWRT-9596   Fixed an issue which, in some cases, a SAT would fail to upgrade.
- OWRT-9605   Fixed an issue which caused a small memory leak in topomaker.
- OWRT-9606   Fixed an issue which would cause WPS parsing when the SSID had a space.
- OWRT-9643   Fixed an issue which, in some cases, an issue would arise during the u-boot startup on certain devices.
- OWRT-9644   Fixed an issue which sometimes cause the onboarding of a 6G SAT to a 6G HUB to fail.

6. Errata

The following is a list of known issues that still exist in the 12.4.6.1 release.

- OWRT-9328   In some instances, a controller will fail to start dragonfly and unclaim itself when booted.
- OWRT-9381   In some instances, IPv6 manual LAN configuration is not functioning correctly.
- OWRT-9439   Firewall Stealth is only working when an explicit rule to block the traffic exists.

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
	Adtran University:	www.adtran.com/training
Sales	For pricing and availability:	1 (800) 827-0807