Adtran

SDG SmartOS

12.6.5.1 Release Notes

Release Notes

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To the Holder of this Document

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1. Introduction

The SmartOS 12.6.5.1 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 12.6.5.1 release.

Table 1. Supported SDG Platforms

Platform
834-5
834-v6
841-t6
854-6
854-v6
8610
8612
8614
8622
8632
8733
8734

Table 2 lists the voice soft switches supported in the SmartOS 12.6.5.1 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 (P/N 1442535F3), 630 (P/N 1287940F1), BiDi (P/N 1442110G1 & G2) and BiDi (P/N 1442412F1 & F2) SFPs are supported with the SmartOS 12.6.5.1 release. However, there are performance limitations associated with this support which are outlined below:

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

- The SDX 610 (P/N 1442535F2) is not supported.
- When using a 630 SFP, ensure the firmware is at MXL-24_1-1 or later.
- In some cases, with the SDX 610 GPON SFU ONT, 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 greater than or equal to 1000 Mbps.
- The SDG SFP interface is not hot-swappable so 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.
- The SDG 8610 is limited to 1Gbps throughput even when using a SFP supporting higher rates such as the SDX 630 XGSPON ONU SFP
- BiDis 1442412 F1&F2 are only supported by SDG 8734 with the terminating device operating 10Gbps line rate

SDG WiFi Support

The current SmartOS 12.6 release supports WiFi6E. WiFi7 will be fully supported in SmartOS 12.7 Firmware release on 87xx models. Please contact sales with any questions.

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 SDG 8600 and 8700 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 12.6.5.1

None

Previous Feature and Enhancements

Features and Enhancements in 12.6.3.1

This section highlights new features and enhancements in the 12.6.3.1 release.

- SOL-365   Productize the 8733/34 6E Platform for GA availability

- SOL-1309   Added support for the Ookla Commercial Client (CUSTOMER MUST HAVE OOKLA CONTRACT)

5. Fixes
Fixes in 12.6.5.1

- ISSUE-9120 Addressed TR-181 issue which caused the VapType to misreports almost every SSID as "primary", or essentially an useable SSID

- ISSUE-9400 Addressed TR-181 issue which user was unable to create parameter paths for a pull request with WiFi and receive an Error.

Previous Build Fixes

Fixes in 12.6.3.1

This section highlights major bug fixes in the 12.6.3.1 release.

- ISSUE-8123   Address a Safari/Keychain GUI Problem

- ISSUE-7776   Address issue with WiFi connected devices not being visible within the Web UI and within the Topology View within Intellifi Cloud

6. Errata

The following is a list of known issues that still exist in the 12.6.5.1 release.

- OWRT-9328   In some instances, a controller will fail to start dragonfly and unclaimed 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