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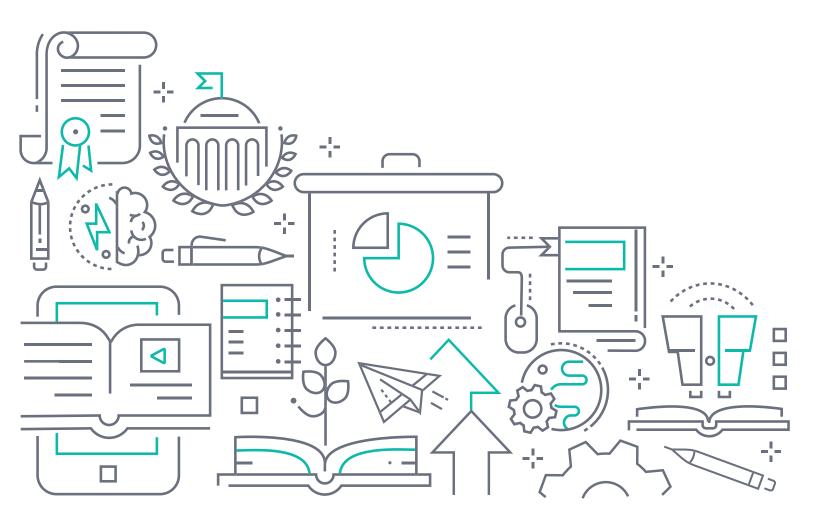
SDG SmartOS

12.3.5.1 Release Notes

Release Notes

To the Holder of this Document

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1. Introduction

The SmartOS 12.3.5.1 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 12.3.5.1 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 12.3.5.1 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 and 630 SFPs are now supported with the SmartOS 12.3.5.1 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.*

- 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 12.3.5.1

This section highlights new features and enhancements in the 12.3.5.1 release.

- Added support for SDG 8622 and 8632 devices.

- Added initial support for realtime data via Intellifi MeshView.

- Intellifi Controller now captures device capabilities for use in Intellifi MeshView and the Intellifi App.

5. Fixes

Fixes in 12.3.5.1

This section highlights major bug fixes in the 12.3.5.1 release.

- OWRT-9360   Fixed an issue that would cause connection issues when using certain devices.

- OWRT-9337   Fixed an issue in which WAN up/down events were not correctly identified in the event log.

- OWRT-9328   Fixed an issue that would cause the controller to unclaim itself.

- OWRT-9325   Fixed an issue in which **Events** and **Topology** did not function correctly in standalone mode.

- OWRT-9282   Fixed an issue in which the NAT **Disable** option did not function correctly.

- OWRT-9155   Fixed an issue in which the uplink from daisy-chained Satellites could switch between units every few minutes.

- OWRT-9063   Fixed an issue in which the **Guest Network** would not be enabled after it was configured using the Quickstart configuration method.

- OWRT-8790   Fixed an issue with 6GHz support for Intellifi best hop.

6. Errata

The following is a list of known issues that still exist in the 12.3.5.1 release.

- OWRT-9275   In some instances, the analytics site survey always runs at midnight, despite the configured cloud settings.

- OWRT-9244   In some cases, NPT tests will intermittently error out with the *Cause of Error Complete* message.

- OWRT-9192   In some cases, an Ookla test run from the ACS will erroneously report **None** for Latency issues.

- OWRT-9121   In some cases, **DynDNS** configuration does not persist in the GUI, even after being saved.

- OWRT-9063   The Admin password reset is not always required when setting up devices using the Quickstart method, even if users do not have it configured in a CDT.

- OWRT-8689   In some cases, disabling port forwarding via TR-069 fails.

- OWRT-8008   In some cases, **Analytics Data** usage reports would show less than the actual usage for the device.

- OWRT-7962   TR-143 speed test diagnostics do not function properly when the management and data interfaces are on separate PPPoE VLANs.

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