ADTRAN®

Software
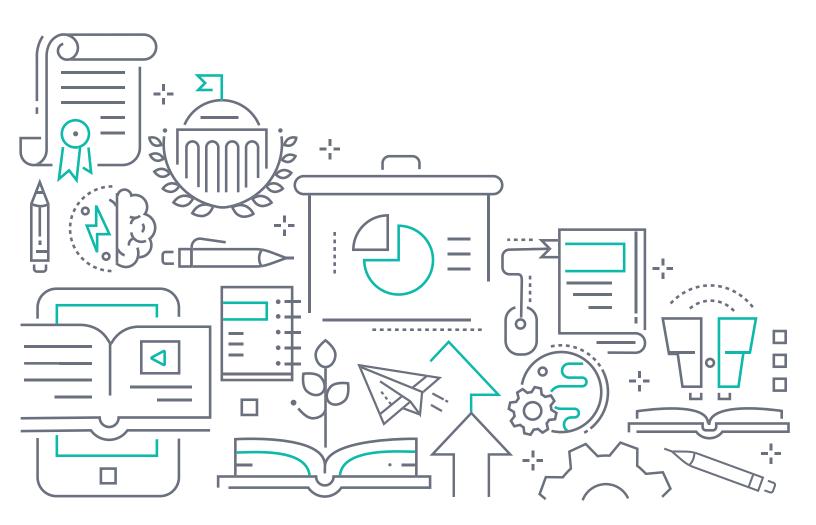
R10.8.9.1 Release Notes

Release Notes

May 2021

To the Holder of this Document

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ADTRAN Technical Support Community

For information on installing and configuring ADTRAN products, visit the ADTRAN Support Community, https://supportcommunity.adtran.com.

Table of Contents

1. Introduction

ADTRAN Software R10.8.9.1 is a maintenance release that addresses customer issues that were uncovered in previous code releases.

This 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 3.

Configuration guides, data sheets, and other documentation can be found on ADTRAN's Support Forum, https://supportforums.adtran.com. Release notes for earlier releases can be found in the SmartRG Release Notes knowledge base.

2. Supported Platforms

The following platform is supported in software release 10.8.9.1:

- SR400ac Gateway

3. Features and Enhancements

Features

This section highlights the major features for SR400ac gateways running software version R10.8.9.1.

- WAN Configuration Modes: DHCPv4, Static, PPPoE
- WAN VLAN Tagging Modes: Untagged, Tagged, Double Tagged (QinQ)
- TR-069 Management (TR-181 data model) with STUN
- HTTP Interface
- CLI Interface via SSH
- Smart Modem Manager (hairpin redirect to upstream WAN device)
- NAT/Firewall
- IGMP Snooping
- IGMP Proxy (v2/v3)
- IPv6
- NetData statistical graphs
- Gigabit Residential Gateway
- 1x Gigabit Ethernet WAN
- 4x Gigabit Ethernet LAN
- Dual-band concurrent WiFi (5GHz, 2.4GHz) - 3x3 11n + 3x3 11ac
- 1x USB2
- 1x USB3

Enhancements

This section highlights the major enhancements for SR400ac gateways running software version R10.8.9.1.

- WAN access via HTTP has been removed, in favor of HTTPS. An option is available to redirect WAN HTTP to WAN HTTPS. This option is disabled by default.

- WebUI lockout after multiple, failed login attempts. The webUI will disable login for 120s after 5 failed login attempts.
- ACLs are now required for HTTPS WAN. Source IP or subnet is required when enabling WAN HTTPS via webUI (**Admin** > **Router Management**) or via TR-181. A Device Manager driver update is required to support the creation of TR-181 ACLs.
- Minimum password length requirement. All webUI passwords must be at least 8-characters in length.
- The source IP of all webUI login attempts is logged.

4. Fixes

This section highlights major bug fixes for SR400ac gateways running software version 10.8.9.1.

OWRT-6109 ■ Fixed an issue in which the CWMP client populated local address with loopback.

OWRT-5902 ■ Fixed an issue in which the DHCP server stops when another DHCP server is detected on the LAN.

OWRT-6080 ■ Fixed an issue in which the NPT test aborted unexpectedly.
OWRT-6086

OWRT-6162 ■ Fixed an issue in which the web server required upgrading to the latest version.

OWRT-6160 ■ Fixed an issue in which the DDNS package required upgrading to the latest version (addresses code exploit issue).

OWRT-6183 ■ Fixed an issue in which HTTP WAN was allowed; this protocol will not be permitted in future.

OWRT-6182 ■ Fixed an issue in which the allow the web server was not allowed to advertise its name and version.

OWRT-6166 ■ Fixed an issue in which auto-expire firewall holes were added by ACS.

OWRT-6230 ■ Fixed an issue in which cwmp parameters needed for ACS clickthru were not implemented.

5. Errata

There are no errata associated with software release 10.8.9.1.

6. System Notes

The software revision summary table below lists the driver and bootloader versions utilized for R10.8.9.1.

Revision	Description	Date
10.8.9.1	Various fixes and enhancements; see lists for details.	06/04/2021
10.8.8.1	Various fixes and enhancements; see lists for details.	05/20/2021
10.8.4.1	Various fixes and enhancements; see lists for details.	03/31/2020
10.8.3.1	Various fixes and enhancements; see lists for details.	06/28/2019
10.6.7.1	Various fixes and enhancements; see lists for details.	03/22/2019
10.6.3.1	Various fixes and enhancements; see lists for details.	11/29/2018
10.5.4.1	Various fixes and enhancements; see lists for details.	08/30/2018
10.5.2.1	Various fixes and enhancements; see lists for details.	06/29/2018

Revision	Description	Date
10.4.7.1	Various fixes and enhancements; see lists for details.	03/05/2018
10.3.8.1	Various fixes and enhancements; see lists for details.	06/30/2017
10.2.1.1	Various fixes and enhancements; see lists for details.	06/30/2016

SR400ac Hardware Revision and Version Compatibility Matrix

The following table lists the available hardware revisions and the associated minimum versions.

Revision	Minimum Version
A0	10.x
B0	10.x
C0	10.x
D0	10.8.8

Intellifi Backhaul Matrix

The following table identifies the Intellifi backhaul options.

	SR400ac (Sat)	SR905acv (Sat)
SR400ac (Hub)	Wired	Wired
SR905acv (Hub)	Wired	Wired

7. Upgrade Instructions

For detailed information about migrating gateway firmware through multiple releases, see the Migration Best Practices for SR400ac Gateways document available in the ADTRAN Support Community.

Upgrade Firmware

1. Open a web browser, connect to 192.168.1.1/admin, and login with username admin and the password assigned to your device.
2. Click **Management** > **Update Software** and click the **Browse** button.
3. Locate and select the appropriate firmware image.
4. Click the **Update Software Button**. The image will be uploaded to the device and the device will automatically reboot upon completion.

Verify Version

1. After the device has completed rebooting, press the **F5** Key to refresh your browser and reconnect to 192.168.1.1/admin to log back into the device. The Device Info > Summary page appears.
2. Verify the version information in the **Software Version** field.

Restore Defaults

1. In the left menu, click **Management**.
1. Click **Settings** > **Restore Default**.
2. Follow the instructions on the page.

Custom Defaults

The Custom Defaults feature allows the importation of a set of defaults to the gateway that will be restored when the Restore Default Settings operation is activated. This set of defaults can be defined and updated via the GUI, CLI or CWMP support of the gateway.

To create a set of Custom Default settings:

1. Configure the gateway as required.
2. On the **Backup** page, select the **Backup Running Configuration** button to upload a configuration file from the gateway.
3. After the file is uploaded, go to the **Update Software** page, select the file, and select the **Update Working Settings** button to download the file to the gateway. The gateway will use the downloaded settings as the custom default whenever the Restore Default Settings operation is invoked.

8. Technical Support

CPE Issues

For this Release, please contact ADTRAN Support or your ADTRAN Sales Engineer for any issues encountered during operation.

RMAs

Open a Support ticket with description "RMA" and attach the RMA Device spreadsheet which includes Model, MAC address, Issue, and Firmware version. You can find the spreadsheet in the ADTRAN Support Community on the RMA instructions page.

Firmware

Generic firmware can be downloaded from the SmartRG SR400ac CPE Generic Firmware board in the ADTRAN Support Community. For custom firmware, please contact your ADTRAN Sales Engineer.

9. Warranty and Contact Information

Warranty

Warranty information can be found online at: www.adtran.com/warranty.

Contact Information

For customer support inquiries, please contact ADTRAN Support:

Contact	Support	Contact Information
Customer Care	From within the U.S.	1.888.4ADTRAN (1.888.423.8726)
	From outside the U.S.	+ 1.256.963.8716
	Technical Support:	www.adtran.com/support
	■ Web:	
	Training:	training@adtran.com
	■ Email:	www.adtran.com/training
	■ Web:	www.adtranuniversity.com
Sales	Pricing and Availability	1.800.827.0807