ADTRAN The Network Access Company

Release Notes
NetVanta 7000 Series
Products

AOS Release A1.04.00
September 19, 2008

Contents

Purpose

AOS Release A1.04.00 provides some enhancements and solutions to a few field issues.

Release A1.04.00 is Generally Available code, meaning that it has been subjected to both Design Verification and Product Qualification testing. Results obtained during this 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 as Errata in Appendix A.

A listing of available documents for this release appears in Appendix B. Configuration guides, white papers, data sheets, and other documentation may be found in ADTRAN's Knowledgebase, http://kb.adtran.com.

Important Notices

Web Configuration Support for ADTRAN IP 706 and IP 712 Phones

AOS A1.01.00 added the ability to configure the IP 706/712 phones from the IP Phone Configs page in the web interface. For more information on the IP 700 Series phones, please visit the Product page (http://www.adtran.com/phones) and Support page (http://www.adtran.com/support). The latest firmware version (1.3.3) for the IP 700 Series phones is available on the Support page. Note that these pages require an IPT Partner login.

Before using the IP Phone Configs GUI or User Accounts GUI to create phone configs for the ADTRAN IP 700 Series phones, the default dial plans need to be checked to make sure that they in a format compatible for the IP 700 Series phones. Go to IP Phone Configs->Default Settings and verify that all entries ending in a "T" have a period before the "T". If any of these entries are missing the period before the "T", modify that dial string to include the period before the "T".

After verifying and, if necessary, modifying the dial strings, a dial string needs to be added for the intercom functionality. Under Extension Dial Strings, add "**xxxx" or "**xxx", depending on whether you are using four or three digit dialing, respectively.

Recommended AOS Image location(s)

AOS images can be stored on FLASH/NONVOL as well as on CFLASH. However, it is recommended that the Primary AOS image be stored on FLASH/NONVOL and the backup image be stored on CFLASH. One reason for this is that with the release of AOS A2.01.00, there will no longer be enough space on FLASH/NONVOL to store 2 versions of A2.xx.xx. To copy the current image from FLASH/NONVOL to CFLASH, use the command "copy flash <filename> cflash <filename>".

Default Configuration Changes

The following configuration items have had their default value changed

Polycom Phone "adtran-sip.cfg" Changes
- "stickyAutoLineSeize": changed to enabled (for more information on this setting, see the **Polycom SIP 2.x Admin Guide** .

Summary of Enhancements

This section highlights the enhancements for AOS A1.04.00.

Added support for 2nd Generation Dual FXO/FXS VIM

- Dual FXO/FXS – 1202692G1

Summary of Bug Fixes

This section highlights bug fixes included in AOS version A1.04.00.

With RTP Symmetric Filter enabled, AA audio can't be heard

Issue Detail
- When "ip rtp symmetric-filter is enabled, calls to the Auto Attendant can be made, but prompt audio can't be heard.

Call Appearance can remain in the reserved state

Issue Detail
- Call appearances can remain reserved in some instances during transferred calls.

Shared Line Account updates fail

Issue Detail
- If IP interfaces configured as Media Gateways use DHCP and the address changes, the system must restart notifications and subscriptions for SLA notifications. This was not happening properly.

Overhead Paging output too low

Issue Detail
- The output of the paging port was too low to drive some overhead paging systems. The output level was changed from -3.0 dB to 0 dB.

Upgrade Instructions

Several steps need to be taken to assure a valid upgrade. First, save your existing configuration via the Configuration page in the web interface under Utilities (remember to include voice settings). You may also save the configuration to a TFTP server. The commands to execute the TFTP copy are:

Router# copy start tftp

Router# copy dynvoice tftp

You will be prompted for file names and the server address in the process.

To Download AOS A1.04.00

Note that you will have to login and have registered a NetVanta 7000 Series Product serial number in order to download firmware.

1. Go to http://www.adtran.com and login using your IPT Partner login.
2. If your landing page is the ADTRAN Advantage Partner Zone, click Software/Firmware Downloads and choose NetVanta Products, then NetVanta 7060/7100.
3. If you do not have a landing page configured, click on Support and choose NetVanta Products / NetVanta 7060/7100.
4. Select Firmware Updates.

AOS Upgrade Instructions
1. Upload the AOS Image to CFLASH via the Firmware page in the web interface or via FTP.
2. From the web interface, choose the new image as the Primary Firmware and click Apply.
3. From the Command Line Interface in Global Configuration Mode, enter "boot system cflash NV7100A-A1-04-00-E.biz X Y verify" where "X" is the location of the backup firmware image and "Y" is the name of that firmware image. The "verify" keyword tells the system to check the AOS image to make sure it was uploaded properly before applying it.
4. After the AOS image is applied, then click Reboot unit or enter "reload" and select "y" to save and to reload.

AOS Bootcode Details
When upgrading to AOS A1.04.00, an upgrade to the Bootcode is not required.

Appendix A – Errata for A1.04.00

The following is a list of errata that still exists in A1.04.00.

Delay in phone FTP process

Issue Detail
- When many phones are booting and upgrading from the NetVanta 7060/7100, some phones may not be able to download their configuration files and may require a reboot to complete.

Errata Justification
- Issuing the "sip check-sync firmware-upgrade" command can improve performance if the issue occurs more than 30 minutes after initial boot of the NetVanta 7060/7100.

Calls into Voicemail or Auto Attendant incorrectly record Lost Packets

Issue Detail
- The output of "show voice quality-stats" reports many lost packets on calls to Voicemail or Auto Attendant.

Errata Justification
- These statistics are inaccurate for Voicemail and Auto Attendant due to the fact that no RTP packets are sent during the silences between prompts. They do not reflect actual voice quality issues.

Default FTP Filesystem change

Issue Detail
- When the FTP server is disabled, the default filesystem for the FTP server is changed to FLASH instead of the default of CFLASH.

Errata Justification
- The default filesystem can be changed back with the in the CLI with the "ip ftp server default-filesystem" command or in the web GUI under IP Phone Configs/Boot Settings.

Incorrect E&M Immediate signaling results in no ringback

Issue Detail
- Incoming calls to E&M Immediate Trunk Accounts will receive a wink and complete correctly. However, ringback will not be heard since a wink is not the correct signaling state.

Errata Justification
- The call will complete correctly and this will be resolved in a future AOS release.

Add Configs in Batch feature uses 501 Model

Issue Detail
- All configurations built by using the "Add Configs in Batch" option under IP Phone Configs use the IP 501 phone model type.

Errata Justification
- New User Account phone configuration and Manual addition of phone configs work properly. A resolution will be added in a future version of AOS.

[Web]: Uploading AOS image to overwrite existing fails

Issue Detail
- When uploading an AOS image to the NetVanta 7060/7100 via the Firmware page, if the AOS image already exists in flash it will not be overwritten. This can affect uploads where the FTP or HTTP connection is interrupted resulting in a partial AOS image being uploaded.

Errata Justification
- The partial AOS image can be deleted from the web interface or CLI and then a new AOS image can be uploaded.