# RELEASE NOTES

## AOS version AC1.1
## January 18, 2013

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# Contents

## Introduction

AOS version AC1.1 is a major system release that adds one new feature and addresses a customer issue that was uncovered in a previous code release.

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 5*.

A list of new or updated documents for this release appears in *Documentation Updates on page 5*.

Configuration guides, white papers, data sheets, and other documentation can be found on ADTRAN's Support Forum, https://supportforums.adtran.com. The contents of these release notes will focus on the platforms listed below.

## Supported Platforms

The following platforms are supported in AOS version AC1.1. To confirm the Boot ROM version of the ADTRAN unit, Telnet or console to the unit and issue the show version command. In the command output, the Boot ROM version will be listed as Boot ROM version XX.XX.XX. If you require a Boot ROM upgrade, please contact ADTRAN Technical Support (support@adtran.com or 888-423-8726) for assistance.

| Platform | Standard Feature Pack | Enhanced Feature Pack | SBC Feature Pack | Minimum Boot ROM |
|---|---|---|---|---|
| NetVanta 1638 | √ | | | 18.02.01.SC |
| NetVanta 1638P | √ | | | 18.02.01.SC |

## Features and Enhancements

This section highlights the major features, commands, and behavioral changes for all Converged Access products running AOS version AC1.1.

• ADTRAN's ActivChassis stacking technology is fully supported on the NetVanta 1600 series Layer 3, Gigabit Ethernet switches. Using ActivChassis, up to eight NetVanta 1600 switches can be interconnected and actively managed as a single, logical chassis-like system with up to 416 switch ports controlled with a single configuration file providing convenience and reduction of overhead costs. In addition, when used with the NetVanta 1600 Dual Stacking XIM, backplane throughput speeds of 128 Gbps can be achieved providing ample bandwidth for the most demanding business applications. Furthermore, ActivChassis provides flexibility by allowing switches that span multiple wiring closets over distances up to 10,000 meters to be connected and managed as a single switch when used with the NetVanta 1600 Dual SFP+ XIM. ActivChassis features are designed for redundancy and network high availability for the enterprise environment.

## Fixes

This section highlights major bug fixes for all products running AOS version AC1.1.

• The NetVanta 1638 would sometimes indicate *System returned to ROM by Watchdog Timeout* even on a manual reboot.

## Errata

The following is a list of errata that still exist in all products running AOS version AC1.1.

- In ActivChassis mode, a cable diagnostics test run on a NetVanta 1638 in linecard mode will not complete properly if the cable being tested is being terminated on both ends. By disconnecting the cable from the far end, leaving one end connected to the 1638, and re-running the test, the test will complete successfully.
- When configured with two port-channels, each with more than two members, one of the port-channels may not evenly distribute traffic sent over the aggregated link.
- A NetVanta 1638 will occasionally display the following message on boot *HTTP_CLIENT CONNECT_TO_HTTP_SERVER errorCode 251*. This does not cause a functional problem.
- An ActivChassis stack is not able to pass a full 10 Gbyte of 64 byte frames over a single 10 Gbyte fiber link in a NetVanta Dual SFP+ XIM.
- The NetVanta 1638 will allow the creation of a standard MAC ACL with the same name as an existing extended MAC ACL.
- If a linecard has a VCID identical to another linecard, it cannot be added to the ActivChassis stack, but the show ac detail command output does not adequately point out the reason for this failure.
- Spanning tree will reconverge at non-rapid spanning tree rates (about 30 seconds) if there are spanning tree topology changes in the network.
- The NetVanta 1638 cannot boot from a firmware image stored on a connected USB drive.
- If an ActivChassis linecard has NetVanta APs physically attached, if the linecard is removed and re-added to the ActivChassis stack, the NetVanta APs will not properly indicate the AC that is controlling them. Bouncing the switchport on the linecard or rebooting the ActivChassis master will resolve this issue.
- Interface statistics on a NetVanta switchport incorrectly indicate *BW is 0 Kbit.*
- The NetVanta 1638 fails to count output discards when throttling down the transmission of traffic (as a result of receiving pause frames).

## Upgrade Instructions

Upgrading ADTRAN products to the latest version of AOS firmware is explained in detail in the configuration guide *Upgrading Firmware in AOS*, available at https://supportforums.adtran.com.

## Documentation Updates

The following document was newly released for AOS version AC1.1 or later specifically for the AOS products. This documents can be found on ADTRAN's Support Forum available at https://supportforums.adtran.com. You can select the hyperlink below to be immediately redirected to the document.

- *Configuring ActivChassis in AOS*