



CCEVS APPROVED ASSURANCE CONTINUITY MAINTENANCE REPORT

ASSURANCE CONTINUITY MAINTENANCE REPORT FOR

Arista Networks Series 7150 / Arista Networks 7050X and 7150 Series

Maintenance Report Number: CCEVS-VR-VID10523-2014

Date of Activity: 10 July 2014

References:

Common Criteria Evaluation and Validation Scheme Publication #6 "Assurance Continuity: Guidance for Maintenance and Re-evaluation" Version 2, September 8, 2008

Common Criteria Document CCIMB-2004-02-009 "Assurance Continuity: CCRA Requirements" Version 1, February 2004

Impact Analysis Report for Arista Networks Series 7150 / Arista Networks 7050x and 7150 Series, Version 1, June 25, 2014

Arista Networks 7050X and 7150 Series Security Target, Version 1.11, June 20, 2014.

Arista Networks 7150 Series Security Target, Version 1.9, December 23, 2013.

Common Criteria Guidance Supplement, Arista 7150 Series 1/10 GbE SFP Ultra Low Latency Switch, Guidance Documents AGD_OPE.1, AGD_PRE.1, Version 1.9, December 17, 2013.

Common Criteria Guidance Supplement, Arista 7150, 7050X, 7250X, 7300X and 7500E Series Switches, Guidance Document AGD_OPE.1, AGD_PRE.1, Version 1.4, June 10, 2014

Arista User Manual, Arista Networks, Arista EOS Version 4.13.3.4, 9 June 2014.

Arista User Manual, Arista Networks, Arista EOS Version 4.12.0.5, 24 September 2013.

Arista Quick Start Guide, 7000 Series Data Center Switches, 2013.

Arista Quick Start Guide, 7000 Series 1 RU – Gen 2 Data Center Switches, 2014.

Arista EOS System Message Guide, Software Release 4.13.3.4

Arista EOS System Message Guide, Software Release 4.12.0.5, September 13, 2013.

Affected Evidence:

Common Criteria Guidance Supplement, Arista 7150, 7050X, 7250X, 7300X and 7500E Series Switches, Guidance Document AGD_OPE.1, AGD_PRE.1, Version 1.4, June 10, 2014

Arista User Manual, Arista Networks, Arista EOS Version 4.13.3.4, 9 June 2014.

Arista EOS System Message Guide, Software Release 4.13.3.4 <n.d.>

Arista Quick Start Guide, 7000 Series 1 RU – Gen 2 Data Center Switches, 2014.

Arista Networks 7050X and 7150 Series Security Target, Version 1.11, June 20, 2014.

Updated Developer Evidence:

Common Criteria Guidance Supplement, Arista 7150, 7050X, 7250X, 7300X and 7500E Series Switches, Guidance Document AGD_OPE.1, AGD_PRE.1, Version 1.4, June 10, 2014

Arista User Manual, Arista Networks, Arista EOS Version 4.13.3.4, 9 June 2014.

Arista Quick Start Guide, 7000 Series 1 RU – Gen 2 Data Center Switches, 2014.

Arista Networks 7050X and 7150 Series Security Target, Version 1.11, June 20, 2014.

Assurance Continuity Maintenance Report:

Infogard Laboratories CCTL, on behalf of Arista Networks Inc. submitted an Impact Analysis Report to CCEVS for approval. The IAR is intended to satisfy requirements outlined in Common Criteria Evaluation and Validation Scheme Publication #6 “Assurance Continuity: Guidance for Maintenance and Re-evaluation” Version 2, September 8, 2008. In accordance with those requirements, the IAR describes the changes made to the certified TOE, the evidence that was updated as a result of those changes, and the security impact of those changes.

Changes to TOE:

The TOE has been updated in the following areas:

- The Arista 7150 Series is updated to include an additional switch series (7050X), as well as a minor hardware and software update to the existing 7150 Series.

- The two additional models within the Arista 7050X Series are: DCS-7050QX-32-F, DCS-7050QX-32-R.
- The Arista 7050X Series uses a different forwarding ASIC design (BCM56850) than the 7150 Series, which increases the switching capacity and forwarding capacity. The 7050QX-32 models contain 32 QSFP+ ports.
- The Arista 7150 Series ASIC forwarding design was updated to include a minor fix. The Hardware version format was modified to reflect the difference in forwarding architectures. The CPU version format was modified to unambiguously identify the CPU with a user-friendly string.
- The Arista EOS (Extensible Operating System) has also been updated to support the newer hardware, incorporate non-security relevant bug fixes, and add non-security relevant features. The new EOS version number is 4.13.3.4.
- Ability to specify system log messages to send to a remote logging host: Ability to send additional logs to the audit server without modifying existing logging capabilities.

Vendor Conclusion:

Arista has concluded that these models may be included through an assurance continuity process. EOS had minor changes that are unlikely to affect the evaluated security functionality. The hardware changes and additions have the greatest potential to affect an SFR, FDP_RIP.2 Full Residual Data Protection; however, this SFR does not include any test activities. The hardware changes are unrelated to any other evaluated security functionality. It is the position of Arista that the assurance provided by the original NDPP evaluation should apply to these changes and not require re-testing.

Validation Team Conclusion:

The vendor reported the changes to logging were additions of non-security relevant logs; routing and traffic switching logs. The fixes and updates were related to the switching and routing features that are outside the scope of the NDPP. The vendor asserts that a full suite of regression tests were run and no issues were discovered.

The validation team reviewed the changes and concur the changes are minor and that certificate maintenance is the correct path for assurance continuity as defined in Scheme Process #6. Therefore, CCEVS agrees that the original assurance is maintained for the above cited version of the product.