



CCEVS Approved Assurance Continuity Maintenance Report

Product: Hewlett-Packard Company 5900 Series, 5900CP Series, 5920 Series, 5930 Series, 10500 Series, 12500 Series and 12900 Series with Comware Version 7.1.045

Maintenance Report Number: CCEVS-VR-VID10567-2015a

Date of Activity: March 24, 2015

Conformance: Network Device Protection Profile Version 1.1, 8 June 2012, as amended by Errata #2 dated 13 January 2014

References: CCIMB-2004-02-009 Assurance Continuity: CCRA Requirements, Version 1.0, February 2004

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

Hewlett-Packard Company 5900 Series, 5900CP Series, 5920 Series, 5930 Series, 10500 Series, 12500 Series and 12900 Series Switches Impact Analysis Report, Revision 1.0, February 16, 2015

Documentation Updated: Preparative Procedures for CC NDPP Evaluated Hewlett-Packard 5900 Series, 5900CP Series, 5920 Series, 5930 Series, 10500 Series, 12500 Series and 12900 Series Switches on Comware V7, Version 1.07, February 20, 2015

Hewlett-Packard Company 5900 Series, 5900CP Series, 5920 Series, 5930 Series, 10500 Series, 12500 Series and 12900 Series Switches Security Target, Version 2.0, February 16, 2015

I. Introduction

On February 20, 2015, Leidos Common Criteria Testing Laboratory, on behalf of Hewlett-Packard Company, submitted an Impact Analysis Report (IAR) to CCEVS for approval. Each of the Network Switch products is a stand-alone Gigabit Ethernet switch appliance designed to implement a wide range of network layers 2 and 3 switching, service and routing operations. The IAR satisfies the requirements outlined in Common Criteria Evaluation and Validation Scheme Publication #6 “Assurance Continuity: Guidance for Maintenance and Re-evaluation”, Version 4, 8 September 2008. In accordance with those requirements, the IAR describes the changes made to the certified TOE, the evidence updated as a result of the changes, and the security impact of the changes.

II. Changes to the TOE

Hewlett-Packard has added support for 4 new appliance models. No changes are made to the Comware 7 software version.

1. Added support for the following 4 appliance models:

- HP FlexFabric 5900CP Switch Series
 - HP 5900CP-48XG-4QSFP+
- HP FlexFabric 5930 Switch Series
 - HP 5930-32QSFP+ Switch
- HP FlexFabric 12900 Switch Series
 - HP 12916 Switch AC Chassis
 - HP 12910 Switch AC Chassis

2. The functionality of the new models remains the same with prior models. The code base is common across all product series and comes from the same code branch. All appliance models from all series use Comware version 7.1.045, with 7 being the major number, 1 being the minor number and 045 being the branch number. The release number for each series is different because this corresponds to the build number. The build is based on the hardware; therefore any differences in the software image occur during the build process to cater to the different types of modules that can be optionally used. These optional modules extend the physically available ports and do not otherwise affect any of the claimed security functions. The new models use processors in the same families and with the same architecture as the models in the original evaluation. The primary differences with the added models relate to capacity, speed and performance and are not security relevant in the context of this evaluation. A summary of these differences is provided below.

- The HP 5900CP-48XG-4QSFP+ is added and shares the same processor and software image as the 5900 and 5920 Series models. The primary difference is that the HP 5900CP provides flexible high port density.
- The HP 5930-32QSFP+ Switch is added and includes a processor in the same family of processors with the same architecture as the HP 5900 and HP5920 Series switches. The primary difference is the HP 5930 provides flexible high port density.
- The HP 12916 Switch AC Chassis is added and shares the same processor as the 10500 Series models. The primary difference with the HP 12900 series models is that they offer more memory, greater speed and switching capacity.

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3. The specific Comware 7.1.45 releases for the 4 appliances have been FIPS validated and the new CAVP certificate numbers are included in the updated Security Target.
- 5900CP Series – Comware V7.1.045 Release 2311 P03 (shares the same processor and software image as the 5900 Series and 5920 Series from the original evaluation)
 - 5930 Series - Comware V7.1.045, Release R2416
 - 12900 Series - Comware V7.1.045, Release 1005P10

III. Analysis and Testing

The change consists of adding support for 4 new hardware appliance models which do not introduce any security relevant changes. The new models use processors in the same families and with the same architecture as the models in the original evaluation. There are no software changes. The code is from the same branch as the models in the original evaluation, with the only difference being that the build is based on the hardware and any differences occur during the build process to cater to the different optional modules available. These modules do not provide any security functionality. New CAVP certificate numbers are issued for the 4 added models. These certificates cover the NDPP testing activity associated with the FCS_RBG_EXT.1 requirement, as well as tests associated with the other cryptographic requirements in the ST.

The vendor performed its full suite of functional testing on the additional platforms. In addition, the hardware differences between for the added models were reviewed and the additional models were determined to be equivalent from an Assurance Activity testing perspective to the previously evaluated models. Hence, the previously performed Common Criteria testing covered the additional models. The evaluation evidence deliverables were primarily updated simply to reflect the addition of the four models and the new CAVP certificate numbers. Finally, a search was performed in the public domain for any new potential vulnerabilities that may have been identified since the evaluation completed. No potential vulnerabilities were found that might affect any of the security claims.

IV. Conclusion

Overall, the models added to the evaluated configuration through this IAR are equivalent from a security perspective to those in the original evaluation. The validation team reviewed the changes and concurs that 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.