ASSURANCE CONTINUITY MAINTENANCE REPORT FOR Brocade MLXe® and NetIron®Family Devices with Multi-Service IronWare R05.7.00

Maintenance Update of Brocade MLXe® and NetIron®Family Devices with Multi-Service IronWare R05.7.00

Maintenance Report Number: CCEVS-VR-VID10564-2014a

Date of Activity: 4 September 2014

References: Common Criteria document CCIMB-2004-02-009 "Assurance Continuity: CCRA Requirements", version 1.0, February 2004;

Impact Analysis Report for
Brocade Communications Systems, Inc. Brocade MLXe® and NetIron®Family Devices with Multi-Service IronWare R05.7.00, Revision 1.0, 07/15/2014

Documentation Updated: (List all documentation updated)

- Security Target: Brocade Communications Systems, Inc. Brocade MLXe® and NetIron® Family Devices with Multi-Service IronWare R05.6.00c Security Target, version 1.0, May 19, 2014Functional Specification
- Design Documentation: No changes required.
- Test Plan: No changes required. Note that regression testing of 5.7.00 was conducted to ensure that the changes worked as expected (e.g., did not affect the security claims).
- Lifecycle: No changes required
- Vulnerability Analysis: No changes required.
- Administrative Guidance:
    - Multi-Service IronWare Federal Information Processing Standards and Common Criteria Guide updated to 5.7.00.
    - Multi-Service IronWare Software R05.7.00 For Brocade MLX Series and NetIron Family Devices Release Notes vR05.7.00, July 3, 2014
    - Multi-Service IronWare Security Configuration Guide Supporting Multi-Service IronWare R05.6.00, 53-1003035-02, 9 December, 2013

Assurance Continuity Maintenance Report:

The vendor for the Brocade MLXe® and NetIron®Family Devices with Multi-Service IronWare R05.7.00, submitted an Impact Analysis Report (IAR) to CCEVS for approval on 15 July 2014. The IAR is intended to satisfy requirements outlined in Common Criteria document CCIMB-2004-02-009, "Assurance Continuity: CCRA Requirements", version 1.0, February 2004. 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.

CCEVS APPROVED ASSURANCE CONTINUITY MAINTENANCE REPORT

Changes to TOE:

The Target of Evaluation (TOE) is the Brocade MLXe® and NetIron® Family Devices with Multi-Service IronWare R05.7.00 family of products.

The TOE is composed of a hardware appliance with embedded software installed on a management processor. The embedded software is a version of Brocades' proprietary Multi-Service IronWare software. The software controls the switching and routing network frames and packets among the connections available on the hardware appliances.

The hardware platforms that support the TOE have a number of common hardware characteristics:

- Central processor that supports all system operations, i.e. PowerPC etc.
- Dynamic memory, used by the central processor for all system operations
- Non-volatile flash memory, used to store the operating system image, startup configuration and other relevant files.
- Multiple physical network interfaces either fixed in configuration or removable as in a chassis based product.

The TOE was revised to fix a number of bugs. These changes are primarily related to changes in network protocol and service improvements. None are related to the security claims in the evaluated ST.

The evaluation evidence consists of the Security Target, hardware manuals, administrative guidance, design documents, life cycle documents, and test evidence. The Security Target was revised to reflect the new version. The hardware manuals are unchanged. The release notes and FIPS Guide have been updated to reflect the new version, but otherwise all guidance includes the content evaluated in the previous versions.

The TOE has no known outstanding security-related vulnerabilities at this time.

The vendor noted that regression testing was accomplished with no security issues.

Conclusion:

CCEVS reviewed the description of the changes and the analysis of the impact upon security, and found it to be minor. Therefore, CCEVS agrees that the original assurance is maintained for the above-cited version of the product.