



## Maintenance Report

**EMC VNXe™ Operating Environment v2.3 with Unisphere™  
running on VNXe Series hardware models VNXe3300™ and  
VNXe3100™**

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## 1 Introduction

EMC Corporation has submitted via EWA-Canada the Impact Analysis Report (IAR) for EMC VNXe™ Operating Environment v2.3 with Unisphere™ running on VNXe Series hardware models VNXe3300™ and VNXe3100™ (hereafter referred to as EMC VNXe), satisfying the requirements outlined in Assurance Continuity: CCRA Requirements, v2.0, November 2011. In accordance with those requirements, the IAR describes the changes implemented in EMC VNXe, (the maintained Target of Evaluation), the evidence updated as a result of the changes and the security impact of the changes.

## 2 Description of changes in the Maintained Target of Evaluation

The following characterizes the changes implemented in EMC VNXe. For each change, it was verified that there were no required changes to the security functional requirements in the Security Target (ST), and thorough functional and regression testing was conducted by the developer to ensure that the assurance in the Target of Evaluation (TOE) was maintained. The changes in EMC VNXe are as follows;

- Bug fixes resulting from defects detected and resolved through the QA/test process;
- Support for RAID 6+1;
- Additional CLI commands; and
- Product enhancements.

## 3 Description of Changes to the IT Environment

The following characterizes the changes implemented in the underlying IT environment for the EMC VNXe;

- Extended/enhanced hardware support for VNXe3300;
- Security Technical Implementation Guide (STIG) compliance;
- Enhancements to iSCSI replication; and
- Hardware support for RAID 6+1.

## 4 Affected developer evidence

Modifications to the product necessitated changes to a subset of the developer evidence that was previously submitted for the TOE. The set of affected developer evidence was identified in the IAR.

Modifications to the security target were made to reflect the new product versions.

## **5 Conclusions**

All changes to the maintained TOE were bug fixes and performance improvements to the product. Through functional and regression testing of EMC VNXe, assurance gained in the original TOE certification was maintained. As all of the changes to the maintained TOE have been classified as minor, it is the conclusion of the CB that the maintained TOE is appropriate for assurance continuity and re-evaluation is not required.

## **6 References**

Assurance Continuity: CCRA Requirements, v2.0, November 2011.

CCS Guide #6, Technical Oversight for Assurance Continuity of a Certified TOE, v1.6, May 2011.

Certification Report - EAL 3+ Evaluation of EMC® Corporation EMC® VNXe Operating Environment v2.0 with Unisphere™ running on VNXe Series hardware models VNXe3300 and VNXe3100, v1.0, August 9, 2011