



## Maintenance Report

### **Fortinet FortiGate™ Unified Threat Management Solutions and FortiOS 4.0 MR3 CC Compliant Firmware**

Issued by:

**Communications Security Establishment Canada**

**Certification Body**

**Canadian Common Criteria Evaluation and Certification Scheme**

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## 1 Introduction

Fortinet, Incorporated has submitted (via EWA-Canada) the Impact Analysis Report (IAR) for Fortinet FortiGate™ Unified Threat Management Solutions and FortiOS 4.0 MR3 CC Compliant Firmware (hereafter referred to as FortiOS), 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 FortiOS, (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 FortiOS. For each change, it was verified that there were no required changes to the security functional requirements in the 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 FortiOS comprise;

- bug fixes resulting from defects detected and resolved through the QA/test process;
- Support for the following new hardware platforms;
  - FortiGate-100A
  - FortiGate-111C
  - FortiGate-200A
  - FortiGate-224B
  - FortiGate-300A
  - FortiGate-300C
  - FortiGate-600C
  - FortiGate-621B
  - FortiGate-800
  - FortiGate-800F
  - FortiGate-1000AFA2
  - FortiGate-1000C

- FortiGate-3600
- FortiGate-3600A
- FortiGate-3810A
- FortiGate-5001FA2
- FortiGate-30B
- FortiGate-40C
- FortiGate-60B
- Improvements to the usability of the Web UI;
- Additional features added to the Web UI;
- Increases to tables in support of routing and firewall performance;
- Load balancing support to new models;
- Reporting format support for PDF addition;
- Updates to support to FortiGuard, FortiAnalyzer and other external products added;
- Support for new web browser and operating systems used for management of the TOE;
- Additional hardware support for new models and accelerations cards;
- More seamless upgrade process;
- IPSec performance increase with the support for AES256 and SHA256 on certain models;
- Upgraded web server for Web UI;
- New licensing feature added; and
- Anti-Virus engine enhancements.

### **3 Description of Changes to the IT Environment**

There were no changes to the underlying IT environment.

### **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.

A new cryptographic module certificate was issued to support the operation of the new models. A number of new cryptographic algorithm certificates were also added. The cryptographic algorithms SHA-256 and HMAC SHA-256 were always implemented but were FIPS validated in this release.

Modifications to the security target were made to reflect the Changed TOE version, including revised build numbers for the updated firmware of all supported platforms.

### **5 Conclusions**

All changes to the maintained TOE were bug fixes, performance improvements, and support for new platforms. Through functional and regression testing of FortiOS, 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 4+ Evaluation of Fortinet FortiGate™ Unified Threat Management Solutions and FortiOS 4.0™ CC Compliant Firmware v1.0, 23 January 2012

IAR for Assurance Maintenance of Fortinet FortiGate™ Unified Threat Management Solutions and FortiOS 4.0 MR3 CC Compliant Firmware v0.5, 5 March 2013