PREMIER MINISTRE

Secrétariat général de la défense et de la sécurité nationale

Agence nationale de la sécurité des systèmes d'information

Certification Report ANSSI-CC-2012/04

Blancco Erasure Software for x86 architecture, version 5.1.0

Paris, 27th January 2012

Courtesy Translation

Warning

This report is designed to provide sponsors with a document enabling them to assess the security level of a product under the conditions of use and operation defined in this report for the evaluated version. It is also designed to provide the potential purchaser of the product with the conditions under which he may operate or use the product so as to meet the conditions of use for which the product has been evaluated and certified; that is why this certification report must be read alongside the evaluated user and administration guidance, as well as with the product security target, which presents threats, environmental assumptions and the supposed conditions of use so that the user can judge for himself whether the product meets his needs in terms of security objectives.
Certification does not, however, constitute a recommendation product from ANSSI (French Network and Information Security Agency), and does not guarantee that the certified product is totally free of all exploitable vulnerabilities.

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Certification report reference

ANSSI-CC-2012/04

Product name

Blancco Erasure Software for x86 architecture

Product reference

Version 5.1.0, Build 1.1.0.b20101214

Protection profile conformity

None

Evaluation criteria and version

Common Criteria version 3.1 revision 3

Evaluation level

EAL 3 augmented

ALC_FLR.3

Developer

Blancco Oy Ltd.

Länsikatu 15, 80110 FIN-Joensuu, Finland

Sponsor

Blancco Oy Ltd.

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Evaluation facility

Amossys

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Recognition arrangements

CCRA

SOG-IS

Introduction

The Certification

Security certification for information technology products and systems is governed by decree number 2002-535 dated April, 18th 2002, modified. This decree stipulates that:

- The French Network and Information Security Agency draws up **certification reports**. These reports indicate the features of the proposed security targets. They may include any warnings that the authors feel the need to mention for security reasons. They may or may not be transmitted to third parties or made public, as the sponsors desire (article 7).
- The **certificates** issued by the Prime Minister certify that the copies of the products or systems submitted for evaluation fulfil the specified security features. They also certify that the evaluations have been carried out in compliance with applicable rules and standards, with the required degrees of skill and impartiality (article 8).

The procedures are available on the Internet site www.ssi.gouv.fr.

Contents

1. The product

1.1. Presentation of the product

The evaluated product is « Blancco Erasure Software for x86 architecture, Version 5.1.0 » developed by Blancco Oy Ltd.

The main function of the Blancco Erasure Software (BES) is to perform hardware detection on a host computer, to display a list of available storage devices to the user, and to erase the selected target devices according to a chosen erasure standard. The software also prepares an erasure report after the erasure has finished. This report contains the detailed information about the erasure process, including timing information and a list of problems encountered during the erasure.
BES is notably designed for end of life management of computer assets.

1.2. Evaluated product description

The security target [ST] defines the evaluated product, its evaluated security functionalities and its operational environment.

1.2.1. Product identification

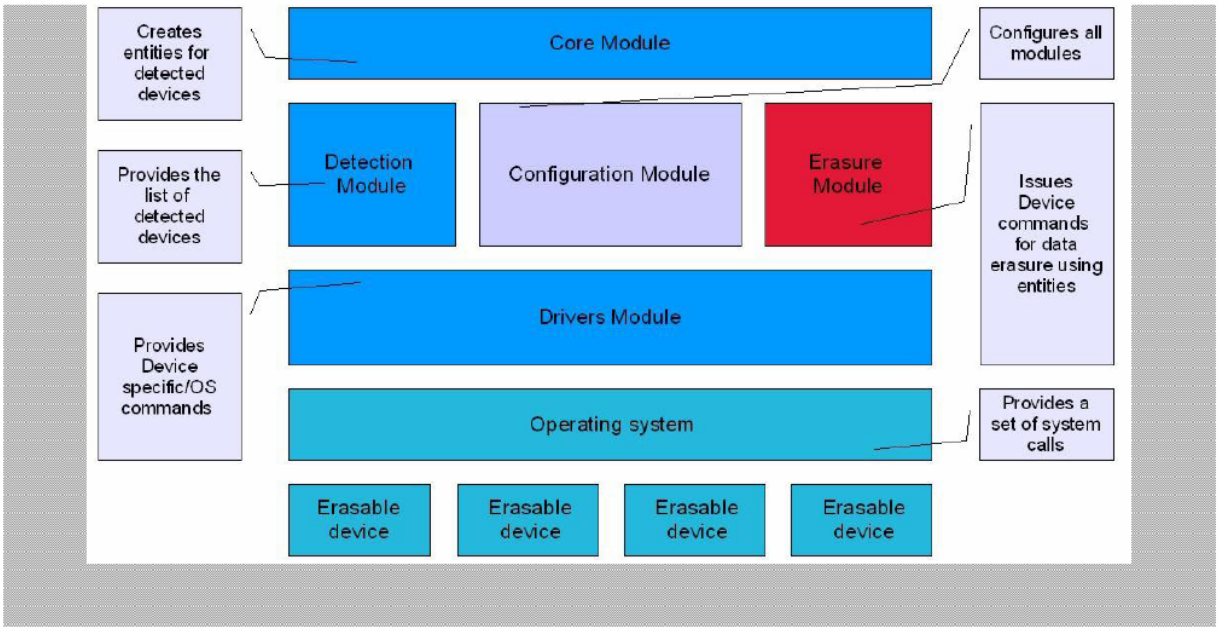
The configuration list [CONF] identifies the product's constituent elements.
The certified version of the product correspond to the software designed for x86 architecture.
The version number of BES can be found in the main window of the product, associated to the build number "1.1.0.b20101214".

1.2.2. Security services

The main security service provided by this product is data erasure.

1.2.3. Architecture

The product consists of the following elements:
- Services module;
- Configuration module;
- Detection module;
- Drivers module;
- Erasure module (the TOE itself, in red in the figure below).



1.2.4. Life cycle

The product has been developed on the following site:

Blancco Oy Ltd.

Länsikatu 15
80110 FIN-Joensuu
Finlande

1.2.5. Evaluated configuration

The certificate applies to its standalone configurations (on a live CD), without net work connection.

2. The evaluation

2.1. Evaluation referential

The evaluation has been performed in compliance with **Common Criteria version 3.1 revision 3** [CC] and with the Common Evaluation Methodology [CEM].

2.2. Evaluation work

The evaluation technical report [ETR], delivered to ANSSI the 19th January 2012, provides details on the work performed by the evaluation facility and assesses that all evaluation tasks are "**pass**".

2.3. Cryptographic mechanisms robustness analysis

The robustness of cryptographic mechanisms has not been analysed.

2.4. Random number generator analysis

The robustness of the random generator has not been analysed.

3. Certification

3.1. Conclusion

The evaluation was carried out according to the current rules and standards, with the required competency and impartiality of a licensed evaluation facility. All the work performed permits the release of a certificate in conformance with the decree 2002-535.

This certificate testifies that the product “Blancco Erasure Software for x86 architecture, Version 5.1.0” submitted for evaluation fulfils the security features specified in its security target [ST] for the evaluation level EAL 3 augmented.

3.2. Restrictions

This certificate only applies on the product specified in chapter 1.2 of this certification report.

The user of the certified product shall respect the security objectives for the operational environment, as specified in the security target [ST], and shall respect the recommendations in the guidance [GUIDES], in particular:

- Personnel using the TOE must have been trained, competent and follow all applicable guidance documentation (OE.Competent_personnel);
- Personnel using the TOE must ensure that the hardware to be erased is set in such way, that the storage devices of the system can be detected in the correct way (OE.Operational_procedures);
- Personnel using the TOE must ensure that the BIOS clock in the system to be erased has correct values (OE.Reliable_clock).

3.3. Recognition of the certificate

3.3.1. European recognition (SOG-IS)

This certificate is released in accordance with the provisions of the SOG-IS agreement [SOG-IS].

The European Recognition Agreement made by SOG-IS in 2010 allows recognition from Signatory States of the agreement[1], of ITSEC and Common Criteria certificates. The European recognition is applicable up to ITSEC E3 Basic and CC EAL4 levels. The certificates that are recognized in the agreement scope are released with the following marking:

3.3.2. International common criteria recognition (CCRA)

This certificate is released in accordance with the provisions of the CCRA [CC RA].

The Common Criteria Recognition Arrangement allows the recognition, by signatory countries[2], of the Common Criteria certificates. The mutual recognition is applicable up to the assurance components of CC EAL4 level and also to ALC_FLR family. The certificates that are recognized in the agreement scope are released with the following marking:

1 The signatory countries of the SOG-IS agreement are: Austria, Finland, France, Germany, Italy, The Netherlands, Norway, Spain, Sweden and United Kingdom.

2 The signatory countries of the CCRA arrangement are: Australia, Austria, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, India, Israel, Italy, Japan, the Republic of Korea, Malaysia, Netherlands, New-Zealand, Norway, Pakistan, Singapore, Spain, Sweden, Turkey, the United Kingdom and the United States of America.

Annex 1. Evaluation level of the product

Class	Family	Components by assurance level							Assurance level of the product	
		EAL 1	EAL 2	EAL 3	EAL 4	EAL 5	EAL 6	EAL 7	EAL 3+	Name of the component
ADV Development	ADV_ARC		**1**	1	1	1	1	1	**1**	Security architecture description
	ADV_FSP	**1**	**2**	**3**	**4**	**5**	5	**6**	**3**	Functional specification with complete summary
	ADV_IMP				**1**	1	**2**	2		
	ADV_INT					**2**	**3**	3		
	ADV_SPM						**1**	1		
	ADV_TDS		**1**	**2**	**3**	**4**	**5**	**6**	**2**	Architectural design
AGD Guidance	AGD_OPE	**1**	1	1	1	1	1	1	**1**	Operational user guidance
	AGD_PRE	**1**	1	1	1	1	1	1	**1**	Preparative procedures
ALC Life-cycle support	ALC_CMC	**1**	**2**	**3**	**4**	4	**5**	5	**3**	Authorisation controls
	ALC_CMS	**1**	**2**	**3**	**4**	**5**	5	5	**3**	Implementation representation CM coverage
	ALC_DEL		**1**	1	1	1	1	1	**1**	Delivery procedures
	ALC_DVS			**1**	1	1	**2**	2	**1**	Identification of security measures
	ALC_FLR								**3**	Systematic flaw remediation
	ALC_LCD			**1**	1	1	1	**2**	**1**	Developer defined life-cycle model
	ALC_TAT				**1**	**2**	**3**	3		
ASE Security Target Evaluation	ASE_CCL	**1**	1	1	1	1	1	1	**1**	Conformance claims
	ASE_ECD	**1**	1	1	1	1	1	1	**1**	Extended components definition
	ASE_INT	**1**	1	1	1	1	1	1	**1**	ST introduction
	ASE_OBJ	**1**	**2**	2	2	2	2	2	**2**	Security objectives
	ASE_REQ	**1**	**2**	2	2	2	2	2	**2**	Derived security requirements
	ASE_SPD		**1**	1	1	1	1	1	**1**	Security problem definition
	ASE_TSS	**1**	1	1	1	1	1	1	**1**	TOE summary specification
ATE Tests	ATE_COV		**1**	**2**	2	2	**3**	3	**2**	Analysis of coverage
	ATE_DPT			**1**	1	**3**	3	**4**	**1**	Testing: basic design
	ATE_FUN		**1**	1	1	1	**2**	2	**1**	Functional testing
	ATE_IND	**1**	**2**	2	2	2	2	**3**	**2**	Independent testing: sample
AVA Vulnerability assessment	AVA_VAN	**1**	**2**	2	**3**	**4**	**5**	5	**2**	Vulnerability analysis

Annex 2. Evaluated product references

[ST]	Reference security target for the evaluation: - « BLANCCO ERASURE SOFTWARE SECURITY TARGET », reference ID 96, version 5.0.
[RTE]	Evaluation technical report : - « ALBUS - BLANCCO OY LTD - EVALUATION TECHNICAL REPORT », reference BLA002-RTE01, version 1.90.
[CONF]	Software configuration list: - « Configuration list of Albus v5.1.0 », reference ID 70, version 2.0; Documentation configuration list: - « Documentation configuration list of Albus v5.1.0 », reference ID 50, version 5.0.
[GUIDES]	Product's guidance - « BLANCCO ERASURE SOFTWARE - User manual for x86 Erasure Software version 5.1.0 », reference ID 55, version 4.0.

Annex 3. Certification references

Decree number 2002-535, 18th April 2002, modified related to the security evaluations and certifications for information technology products and systems.	
[CER/P/01]	Procedure CER/P/01 - Certification of the security provided by IT products and systems, DCSSI.
[CC]	Common Criteria for Information Technology Security Evaluation : Part 1: Introduction and general model, July 2009, version 3.1, revision 3 Final, ref CCMB-2009-07-001; Part 2: Security functional components, July 2009, version 3.1, revision 3 Final, ref CCMB-2009-07-002; Part 3: Security assurance components, July 2009, version 3.1, revision 3 Final, ref CCMB-2009-07-003.
[CEM]	Common Methodology for Information Technology Security Evaluation : Evaluation Methodology, July 2009, version 3.1, revision 3 Final, ref CCMB-2009-07-004.
[CC RA]	Arrangement on the Recognition of Common criteria certificates in the field of information Technology Security, May 2000.
[SOG-IS]	« Mutual Recognition Agreement of Information Technology Security Evaluation Certificates », version 3.0, 8th January 2010, Management Committee.