

## Jetico Product Release Notes: BestCrypt Volume Encryption v.2

Note: This document is regularly updated and is subject to change without notice. We invite you to share your feedback with us, including reporting issues with our products, via our online contact form at [www.jetico.com/contact/](http://www.jetico.com/contact/).

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### 1. Minimum System Requirements

- 10 MB disk space
- Installed size is 8 MB

### 2. Supported Operating Systems

BestCrypt Volume Encryption (BCVE) supports the following operating systems, including 32-bit versions and versions for 64-bit AMD64 platform:

- Windows 7
- Windows Vista
- Windows XP
- Windows 2008 Server
- Windows 2003 Server
- Windows 2000
- Windows 2000 Professional

### 3. Product Updates

#### **28-January-2011 | v2.15.01 | driver 2.22**

Improved 'Mount at boot time' procedure for better security. If boot/system disk volume was encrypted by a previous release of the software and 'Mount at boot time' option is set for some data volumes, then it is recommended to re-encrypt boot/system volume for the enhancement to take effect.

#### **24-September-2010 | v2.15.00 | driver 2.22**

Solved compatibility issue with Dell E4200 computers, workaround for bug in BIOS of the computers implemented.

#### **03-August-2010 | v2.14.06 | driver 2.22**

Fixed hanging of Windows 7 boot process on computers with 8 processors.

#### **05-February-2010 | v2.14.03 | driver 2.21**

Fixed minor bugs in upgrade procedure and in program interface.

#### **23-December-2009 | v.2.14.01 | driver 2.20**

Added protection of file system structures for encrypted removable disks at unexpected removal event.

### **17-November-2009 | v.2.14.00**

1. Command to create Rescue Bootable USB disk added.
2. Enhanced protection of MBR sector.
3. Verification of Rescue data in recovery process added.

### **23-September-2009 | v.2.12.08**

Fixed minor bug in user interface.

### **22-July-2009 | v.2.12.07**

Some disk utilities were discovered that can change low-level signatures on hard drives. Earlier versions of BCVE reported an error when a disk signature changes. The software now automatically updates its internal information about disk signatures as soon as it changes.

### **01-June-2009 | v.2.12.06**

The software no longer allows the user to bypass entering a password for system/boot volume at boot time. This feature has been disabled because BCVE boot time loader detects and prevents potential modifications of MBR boot sector by viruses, but the protection does not work if the user occasionally presses ESC.

### **30-April-2009 | v.2.12.05 | driver v.2.18**

Translation to Farsi language created by Daniel Hassanian released.

*Mount at Boot Time* option now works for removable drives.

Fixed problem of booting Windows 7 when *Mount at Boot Time* option is set.

### **26-March-2009 | v.2.12.03 | driver v.2.17**

Enhancements:

1. Procedure to support safe breaking encrypted software RAID arrays is implemented;
2. Support of exFAT formatted volumes added.

Fixes:

1. Additional passwords now work at *Mount at Logon* time;
2. CSCFlags attribute now correctly processed when network shares from encrypted volumes saved/restored by BCVE;
3. Fix in BCVE procedure that warns about keyboard characters that cannot be entered at boot time.

### **11-January-2009 | v.2.11.02 | driver v.2.16**

Minor enhancements made to improve encryption performance.

### **24-October-2008 | v.2.11.01 | driver v.2.15**

Module working at boot time is fixed to avoid restart/hang on some systems. For more information, see the *System restarts after entering password* topic on the BCVE forum:

<http://www.smokey-services.eu/forum/viewtopic.php?f=75&t=21500>

### **15-October-2008 | v.2.11.00 | driver v.2.15**

Increased speed of secure hibernating operating system.

Solved incompatibility issues with:

1. System recovery feature delivered with HP computers;
2. Hyper-threading CPU support.

Solved problem of running rescue procedure for removable devices in Windows Vista SP1.

Fixed *Mount at Boot Time* option for removable devices.

**02-September-2008 | v.2.10.03 | driver v.2.14**

Conflict with Kaspersky Internet Security 2009 has been resolved.

The software now clears keyboard buffer in low-level computer BIOS, both before and after entering boot-time password. This possible attack is explained in detail in Jonathan Brossard's whitepaper, *Bypassing pre-boot authentication passwords*:

[http://www.ivizsecurity.com/research/preboot/preboot\\_whitepaper.pdf](http://www.ivizsecurity.com/research/preboot/preboot_whitepaper.pdf)

**19-August-2008 | v.2.10.02 | driver v.2.14**

User interface of the software translated to Portuguese language by Bruno Magalhaes.

Problem of setting Alarm Crash Hotkey is fixed.

**31-July-2008 | v.2.10.01 | driver v.2.14**

The program now works correctly with Windows Experience Index in Windows Vista.

**24-July-2008 | v.2.10.00 | driver v.2.13**

Commercial release of BestCrypt Volume Encryption version 2.

Performance of the software significantly increased on multiprocessor and multi-core computers.

**04-July-2008 | v.2.00.7 Release Candidate 2 | driver v.2.11**

Boot loading module is enhanced.

Anti-keylogger module is fixed for German keyboard layout.

New boot-time password prompt themes added.

Command 'Options -> Benchmark' added.

Option 'View -> Toolbar -> Large/Small/None' added.

The program now automatically restores keyboard layout to previous state after entering passwords.

Several other minor enhancements and fixes made.

**05-June-2008 | v.2.00.5 | driver v.2.11**

Release of BestCrypt Volume Encryption version 2 Release Candidate.