Sinabis SATA Writeblocker (SWB-SATA)

Test Results for Hardware Write Block Device – Federated Testing Suite

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Test Results for Hardware Write Block Device:
Sinabis SATA Writeblocker (SWB-SATA)

Manufacturer: Sinabis GmbH, Germany

Federated Testing:
CRU/WiebeTech WriteBlocking Validation Utility v2.1.0.7

Contents

Introduction

The Computer Forensics Tool Testing (CFTT) program is a joint project of the Department of Homeland Security's (DHS) Science and Technology Directorate, the National Institute of Justice, and the National Institute of Standards and Technology's (NIST) Special Programs Office and Information Technology Laboratory. CFTT is supported by other organizations, including the Federal Bureau of Investigation, the U.S. Department of Defense Cyber Crime Center, U.S. Internal Revenue Service's Criminal Investigation Division Electronic Crimes Program, and U.S. Immigration and Customs Enforcement, U.S. Customs and Border Protection and U.S. Secret Service. The objective of the CFTT program is to provide measurable assurance to practitioners, researchers, and other applicable users that the tools used in computer forensics investigations provide accurate results. Accomplishing this requires the development of specifications and test methods for computer forensics tools and subsequent testing of specific tools against those specifications.

Test results provide the information necessary for developers to improve tools, users to make informed choices, and the legal community and others to understand the tools' capabilities. The CFTT approach to testing computer forensics tools is based on well-recognized methodologies for conformance and quality testing. Interested parties in the computer forensics community can review and comment on the specifications and test methods posted on the CFTT website (https://www.cftt.nist.gov/).

This document reports the results from testing the hardware write blocking function of the Sinabis SATA Writeblocker using the CRU WriteBlocking Validation Utility, Version 2.1.0.7. The CRU WriteBlocking Validation Utility uses the same test method as the CFTT Federated Testing Test Suite for Hardware Write Blocking.

Federated Testing is an expansion of the CFTT program to provide forensic investigators and labs with test materials for tool testing and to support shared test reports. The goal of Federated Testing is to help forensic investigators to test the tools that they use in their labs and to enable sharing of tool test results. CFTT's Federated Testing Forensic Tool Testing Environment and included test suites can be downloaded from https://www.cftt.nist.gov/federated-testing.html and used to test forensic tools. The results can be optionally shared with CFTT, reviewed by CFTT staff, and then shared with the community.

Test results from this and other tools can be found on DHS's computer forensics web page, https://www.dhs.gov/science-and-technology/nist-cftt-reports.

Federated Testing Test Results for Hardware Write Block Device: Sinabis SATA Writeblocker

1. Test Information

Organization/Tester Name	Sinabis GmbH
Notes	Sinabis SATA Writeblocker

2. Operating System Information

Edition:	Windows 10 Home
Version:	22H2
Build:	19045

3. Computer Information

Name:	DESKTOP-QBHHNT2
Processor:	Intel(R) Core(TM) i5-1035G1 CPU @ 1.00GHz
Installed RAM:	8 GB (7,6 GB useable)
Architecture:	64-Bit

4. Drive Information

Name	Disk 1 (3.64 TB)
Partition(s)	Copy1 (D:) 3.64 TB
Manufacturer	Sinabis GmbH
Model	Tart
Serial Number	tifyControllerData_S

5. Write Blocker Information

Name	Sinabis SATA Writeblocker
Manufacturer	Sinabis GmbH
Serial Number	335CBA476B3B
Firmware	1.1.3
Drive Interface	SATA
Host Interface	USB

NOTE: Results may vary depending on bus type.
For this reason, if you have alternate bus ports provided on your device or write blocker, it is recommended you test all interfaces available.

6. Summary

PASS	No sectors on the drive were modified during the test.

6.1. Results

Unmodified Sectors	**55**
Modified Sectors	**0**
Commands Not Supported	0
Commands Not Enabled	0
Incomplete Commands	0
Errors	0
Skipped	0

6.2. Options

Force commands	True
Test sectors above 2.2 TB (+)	True
Pause after each command	False
Prepare for NIST Federated Testing	True

7. Log – Results

```
2023-11-23 02:45:11 | Starting test...
2023-11-23 02:45:12 | Reported write commands: 0x0

2023-11-23 02:45:12 | Test complete.

Test Result - PASS. No sectors on the drive were modified during the test.
Results saved to the following location:
     "C:\Program Files (x86)\CDSG\WriteBlocking Validation Utility\Test
Results\WriteBlockTest_2023_11_23_14_45_02.html".
```

Error Code Key

0x32, The request is not supported.

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