OCTOBER 2020

virus BULLETIN

Covering the global threat landscape

VB100 CERTIFICATION REPORT OCTOBER 2020

VB Test Team

For more than two decades, *Virus Bulletin* has set a minimum standard for anti-malware products – requiring them to block malicious executables that have recently been seen in the wild, while at the same time blocking few to no legitimate programs – and providing those products that live up to expectation with the VB100 'stamp of approval'.

This report details the VB100 certification results of 41 such products from 35 different vendors during September and October 2020.

THE VB100 SET-UP

In the VB100 test, a copy of the product to be tested is installed on two platforms: *Windows 10* and *Windows 7*. On each platform, and at three different times in the test, the product is asked to scan both the latest version of the WildList[1] and a selection of clean files taken from *Virus Bulletin*'s own set of files belonging to widely used legitimate software.

A legitimate file that is blocked at least once is considered a false positive, while a WildList file that isn't blocked is considered a miss.

A product achieves a VB100 certification if:

- No more than 0.5% of WildList samples are missed

and

- No more than 0.01% of legitimate files are blocked

[1] The WildList is an extremely well-vetted set of malware recently observed in the wild by researchers: http://www.wildlist.org/.

For full details, we refer to the VB100 methodology on the *Virus Bulletin* website: https://www.virusbulletin.com/testing/vb100/vb100-methodology/vb100-methodology-ver1-1/. This test used version 1.1 of the VB100 methodology.

DIVERSITY TEST

The malware part of the VB100 certification uses the WildList, a regularly updated list of extremely well-vetted malware samples, guaranteed to have been spotted in the wild multiple times. This makes them very suitable for a certification test like VB100.

The 'Diversity Test' looks at products' detection of another set of recent malware samples, to acknowledge the fact that products detect malware samples beyond a standard set of samples, and provides a measure of that detection.

PRODUCTS & RESULTS

Products were allowed to download updates during the course of the test. The version numbers listed in the results that follows refer to those at the start of the test.

Acronis Cyber Protect

Windows 7 version	12.5.23140
Windows 10 version	12.5.23140
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

ISSN 1749-7027

Acronis True Image 2021

Windows 7 version	Build 30480
Windows 10 version	Build 30480
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	100.00%

Adaware Antivirus Free

Windows 7 version	12.8.1241.0
Windows 10 version	12.8.1241.0
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	99.90%

Adaware Antivirus Pro

Windows 7 version	12.8.1241.0
Windows 10 version	12.8.1241.0
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	99.90%

Ad-Spider

Windows 7 version	2020.09.15-7.85918
Windows 10 version	2020.09.07-7.85809
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	99.70%

AhnLab V3 Endpoint Security

Windows 7 version	9.0.63.3
Windows 10 version	9.0.63.3
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

Arcabit AntiVirus

Windows 7 version	2020.09.15
Windows 10 version	2020.09.07
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

Avast Free Antivirus

Windows 7 version	20.7.2425
Windows 10 version	20.7.2425
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

AVG Internet Security

Windows 7 version	20.7.3140
Windows 10 version	20.7.3140
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

CORE Antivirus

Windows 7 version	1.0.48.0
Windows 10 version	1.0.48.0
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

Emsisoft Anti-Malware

Windows 7 version	2020.9.0.10390
Windows 10 version	2020.9.0.10390
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

Cynet 360

Windows 7 version	8.3.62.8
Windows 10 version	8.3.62.8
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.90%

eScan Internet Security Suite for Windows

Windows 7 version	14.0.1400.2228
Windows 10 version	14.0.1400.2228
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

CyRadar Endpoint Detection and Response

Windows 7 version	1.0.0.54
Windows 10 version	1.0.0.54
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.90%

ESTsecurity ALYac

Windows 7 version	4.0.2.23116
Windows 10 version	4.0.2.23116
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	54.25%

Defenx Security Suite

Windows 7 version	1.7.0.5
Windows 10 version	1.7.0.5
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	99.90%

Exosphere Endpoint Protection

Windows 7 version	1.5.22.1
Windows 10 version	1.5.22.1
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

Faronics Anti-Virus

Windows 7 version	4.21.3102.484
Windows 10 version	4.21.3102.484
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

IKARUS anti.virus

Windows 7 version	3.1.16
Windows 10 version	3.1.16
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.90%

FireEye Endpoint Security

Windows 7 version	32.30.0
Windows 10 version	32.30.0
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	99.80%

Intego AV

Windows 7 version	1.0.1.4
Windows 10 version	1.0.1.4
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.00%

Fortinet FortiClient

Windows 7 version	6.2.7.0984
Windows 10 version	6.2.7.0984
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

ITL Total Security

Windows 7 version	1.0.0.16
Windows 10 version	1.0.0.16
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

G DATA Antivirus

Windows 7 version	25.5.8.14
Windows 10 version	25.5.8.14
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.90%

K7 Total Security

Windows 7 version	16.0.0652
Windows 10 version	16.0.0652
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.50%

PCProtect

Windows 7 version	5.5.83
Windows 10 version	5.5.83
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.90%

Qi-ANXIN Tianqing Endpoint Security Management System

Windows 7 version	v10.0 build: 6.6.0.4086
Windows 10 version	v10.0 build: 6.6.0.4086
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

Rising Enterprise Security Management System

Windows 7 version	3.0.0.97
Windows 10 version	3.0.0.97
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	85.79%

Scanguard

Windows 7 version	5.5.83
Windows 10 version	5.5.83
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	99.90%

SecureAge SecureAPlus Pro

Windows 7 version	6.3.0
Windows 10 version	6.3.0
WildList detection	99.7%
False positive rate	0.001%
Diversity Test rate	99.60%

Systweak Anti-virus

Windows 7 version	1.0.1000.10447
Windows 10 version	1.0.1000.10447
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

TACHYON Endpoint Security

Windows 7 version	5.0.1.33
Windows 10 version	5.0.1.33
WildList detection	99.8%
False positive rate	0.000%
Diversity Test rate	99.70%

TeamViewer Endpoint Protection

Windows 7 version	20.9.1
Windows 10 version	20.9.1
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	99.90%

Tencent PC Manager

Windows 7 version	12.3.26609.901
Windows 10 version	12.3.26609.901
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

TotalAV

Windows 7 version	5.5.83
Windows 10 version	5.5.83
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

Total Defense Premium

Windows 7 version	12.0.0.280
Windows 10 version	12.0.0.280
WildList detection	99.9%
False positive rate	0.000%
Diversity Test rate	99.90%

TUXGUARD Endpoint Protection

Windows 7 version	1.0.1.46
Windows 10 version	1.0.1.46
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

United Endpoint Protector *(see notes in Appendix 2)*

Windows 7 version	N/A
Windows 10 version	1.0
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	100.00%

VIPRE Endpoint Cloud Business

Windows 7 version	12.0.7874
Windows 10 version	12.0.7874
WildList detection	99.8%
False positive rate	0.000%
Diversity Test rate	99.80%

VirIT eXplorer PRO

Windows 7 version	9.2.67
Windows 10 version	9.2.64
WildList detection	100.0%
False positive rate	0.000%
Diversity Test rate	63.46%

APPENDIX 1: PRODUCTS NOT CERTIFIED

The following products did not receive VB100 certification in this test:

- *SecureAge SecureAPlus Pro* with offline settings. This product failed to meet the requirements for VB100 certification.

APPENDIX 2: TESTING NOTES

- *Tabidus Technology*'s *United Endpoint Protector* was tested only on *Windows 10* as there is no *Windows 7* version of the product.

APPENDIX 3: SAMPLE SET SIZES

The Certification Set contained 1,666 malicious samples. The set of clean samples used for the false positive test contained 99,999 files, of which 29,152 were portable executable (PE) files. The set used for the Diversity Test contained 999 malicious samples.

Head of Testing: Peter Karsai

Security Test Engineers: Gyula Hachbold, Adrian Luca, Csaba Mészáros, Tony Oliveira, Ionuț Răileanu

Sales Executive: Allison Sketchley

Editorial Assistant: Helen Martin

© 2020 Virus Bulletin Ltd, Manor House - Office 6, Howbery Business Park, Wallingford OX10 8BA, UK

Tel: +44 20 3920 6348 Email: editorial@virusbulletin.com

Web: https://www.virusbulletin.com/