

Acronis Detection Test

A test commissioned by Acronis and performed by AV-TEST GmbH. Date of the report: July 9th, 2018

Executive Summary

In July 2018, AV-TEST performed a review of an Acronis Command Line scanner for Windows to determine the static detection capabilities of Windows PE malware. A further requirement was to check whether the scanner provides malware detection without too many false positives.

In order to conduct the test, several thousand malicious files from June 18th to June 30th had been selected from AV-TEST and third-party sources. Only those files that have been reported as being “prevalent malware” by at least two independent parties were used in the testset.

In total 2141 malware files, including 347 potentially unwanted applications, were used for the malware detection test.

For false positive test set consisted of two different sets. The first set contained 386008 files from Windows and Office installations. The second set contains 159183 files from popular programs from major download sites.

Test Results

The test has been performed on July 6th, the test results are outlined in the table below.

Sum total (prevalent malware)	2141	1512	70,62%
Win32 Malware			
* Backdoors	129	77	59,69%
* Bots	14	9	64,29%
* Viruses	6	2	33,33%
* Worms	2	1	50,00%
Trojan Horses			
* Downloader	27	12	44,44%
* Dropper	13	8	61,54%
* Generic	1558	1181	75,80%
* Password-Stealer (PWS)	45	27	60,00%
Other Malware			
* Potentially Unwanted Applications (PUA)	347	195	56,20%

The overall detection rate is 70%, the best coverage exists for Generic Trojan Horses with nearly 76%.

On top of that test the false positive test was conducted with the following results.

False positives (negative)			
* ... from Windows and Office installations (critical) (Win7, Win8, Office 2013 Pro)	386008	13	0,00%
* ... from popular programs from major download sites (less critical)	159183	250	0,16%

Thirteen files from Windows installations were detected which could cause critical false positives and system instabilities. Furthermore 250 files from popular programs were flagged, including popular and widely used applications such as Firefox and Google Chrome. Overall the false positive rate was still acceptable though.

The detailed list of hashes/files that were used for the test and that were detected is available on request.

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