

PRIVATE PROTECTION TEST ON 25 SECURITY APPLICATIONS

TEST SYSTEM: Windows 7 home premium 64bit on a VM machine

PARENT MACHINE: Linux Mint-15 64bit

TEST SYSTEM SPEC: RAM: 1GB; HDD: 100GB; NO. OF PROCESSOR: one; GRAPHIC: 256MB

MALWARE USED: Same 20 zero-day malware links for browser test and 50 Zero-days malwares from zero up to 24 hours old were used for reactive and proactive tests

The stock installation is used for each application. Also browser protection offered by the security apps in the test is based on the stock setting and not on the tweaked setting.

PERCENTAGE IS ROUNDED-UP TO THE NEARTH TENTH

LATEST SECURITY APP	DOWNLOAD PROTECTION			PROACTIVE PROTECTION		REACTIVE PROTECTION		LEAK TEST (3) DEFAULT FIREWALL	RAM USAGE (4) (MB)	BOOT-UP TIME (base time: 43 second)	NO. OF PROCESSORS RUNNING
	IE (v.10)(*)	FIREFOX (v.22) (2)	CHROME (v.28)(1)	DEFAULT	MAXIMUM	DEFAULT	MAXIMUM				
AVG free Antivirus	20%	20%	20%	0%	0%	40%	40%	NA	24	increased by 55 seconds	7
AVG Internet security	20%	20%	20%	0%	0%	40%	40%	FAIL	40	increased by 43 seconds	9
AVAST free antivirus	40%	40%	40%	20%	50%	40%	40%	NA	10	increased by 43 seconds	2
AVAST internet security	40%	40%	40%	20%	50%	40%	40%	FAIL	7	increased by 67 seconds	2
AVIRA free antivirus	40%	40%	40%	0%	0%	50%	50%	NA	24	increased by 59 seconds	5
AVIRA internet security	40%	40%	40%	0%	20%	50%	50%	FAIL	40	increased by 80 seconds	6
Ad-aware free antivirus+	100%	100%	100%	0%	NA	60%	NA	NA	50	increased by 10 seconds	4
Malwarebyte Antimalware pro	40%	40%	40%	0%	0%	30%	30%	NA	44	no increase detected	3
Forticlient 5 free	100%	100%	100%	0%	NA	20%	NA	NA	87	increased by 60 seconds	10
Comodo internet security (5)	80%	80%	80%	70%	70%	30%	30%	FAIL	22	increased by 14 seconds	4
Webroot secure anywhere antivirus	40%	40%	40%	10%	10%	60%	60%	NA	3	increased by 2 seconds	2
Unthreat antivirus free	100%	100%	100%	0%	0%	60%	60%	NA	20	increased by 56 seconds	2
360 internet security	20%	100%	100%	0%	0%	40%	40%	NA	34	increased by 4 seconds	5
Baidu antivirus	20%	40%	40%	0%	0%	40%	50%	NA	8	increased by 10 seconds	4
Microsoft security essential	80%	80%	80%	0%	NA	50%	NA	NA	6	increased by 79 seconds	2
Outpost security suite pro	60%	60%	60%	0%	30%	30%	30%	FAIL	115	increased by 71 seconds	2
Kaspersky pure	100%	100%	100%	0%	0%	50%	50%	FAIL	107	increased by 67 seconds	2
Bitdefender antivirus free	100%	100%	100%	0%	NA	50%	NA	NA	66	increased by 60 seconds	2
Bitdefender Total security	100%	100%	100%	0%	0%	50%	50%	FAIL	86	increased by 84 seconds	3
Panda cloud antivirus free	40%	60%	60%	0%	0%	50%	50%	NA	4	increased by 12 seconds	2
Trendmicro Titanium internet securi	100%	100%	100%	0%	0%	20%	20%	FAIL	87	increased by 57 seconds	5
Zonealarm free antivirus+firewall	40%	40%	40%	0%	20%	50%	50%	FAIL	13	increased by 14 seconds	2
Zonealarm extreme security	40%	40%	40%	0%	20%	50%	50%	FAIL	13	increased by 57 seconds	2
Emsisoft internet security	100%	100%	100%	100%	100%	50%	50%	PASS	147	increased by 101 seconds	9
G-Data Antivirus	100%	100%	100%	0%	0%	50%	50%	NA	109	increased by 56 seconds	6

(*) internet explorer own smart screen filter detected 60% of the malwares, but this was not taken into account in the above table. Only the security apps browser protection is considered.

NA Not Applicable

(1) Chrome own download protection detected 20% of malwares, but was not taken into account in the table above. Only the apps browser protection is used.

(2) Firefox did not detect any of the malwares by itself.

(3) only those security suites that include a firewall and reach a protection level of 100% is considered a PASS.

(4) rounded-up to the nearest full number

(5) Although comodo internet security 6 offers browser sandboxing, this feature was not used in the test to make it fair to the other security apps.

EXCLUDED APPS

MCAFEE REQUIRES A VALID REGISTERED ACCOUNT IN-ORDER TO INSTALL AND RUN.

ESET SMART SECURITY ASKED FOR FULL PAID ACTIVATION AND VALID REGISTRATION TO RECEIVE UPDATES.

NORTON INTERNET SECURITY CAUSED INTERNET CONNECTIVITY PROBLEM IN THE VM.

BULLGURAD INTERNET SECURITY REQUIRES A VALID ACCOUNT TO BE INSTALLED.