

# PANDA: INTERNET SECURITY

Version Tested  
2010

Website  
[www.pandasecurity.com](http://www.pandasecurity.com)

Platform  
Windows 7 (RTM, 32 bit)

During April, May and June 2010 we continuously evaluated 19 security products using their default settings. We always used the most current publicly-available version of all products for the testing. They were allowed to update themselves at any time and query their in-the-cloud services. We focused on realistic test scenarios and challenged the products against real-world threats. Products had to demonstrate their capabilities using all components and protection layers.



PROTECTION	Protection against malware infections (such as viruses, worms or Trojan Horses)		PROTECTION SCORE:		
			APR	MAY	JUN
Protection against 0-day malware attacks from the internet, inclusive of web and e-mail threats (Real-World Testing)	Industry average: 75% Samples used: 59	in %	82	89	74
Blocking of malware on or post execution (Dynamic Detection Testing)	Industry average: 63% Samples used: 16	in %	81		
Detection of a representative set of malware discovered in the last 2-3 months (AV-Test reference set)	Industry average: 95% Samples used: 1,359,862	in %	100	100	100
Detection of widespread malware (according to the WildList)	Industry average: 100% Samples used: 26,964	in %	100	100	100

REPAIR	Cleaning and repair of a malware-infected computer		REPAIR SCORE:		
			APR	MAY	JUN
Removal of all active components of widespread malware (according to the WildList) from a computer	Industry average: 90% Samples used: 20	in %	95		
Removal of further malicious components and remediation of critical system modifications made by malware	Industry average: 50% Samples used: 20	in %	70		
Detection of deliberately hidden active malware (Rootkits and stealth malware)	Industry average: 100% Samples used: 7	in %	100		
Removal of deliberately hidden active malware (Rootkits and stealth malware)	Industry average: 71% Samples used: 7	in %	100		

USABILITY	Impact of the security software on the usability of the whole computer (lower values indicates better results)		USABILITY SCORE:		
			APR	MAY	JUN
Average slow-down of the computer by the security software in daily use	Industry average: 251 Number of test cases: 13	in sec	101		
False detections of legitimate software as malware during a system scan (false positives)	Industry average: 4 Number of test cases: 611,548	in #	0	2	7
False warnings or blocking of certain actions during the installation and use of legitimate software	Industry average: 2 warnings, 1 blockings Number of test cases: 20	in #	warnings: 3	blockings: 0	