

F-SECURE: INTERNET SECURITY

Version Tested
2010 and 2011

Website
www.f-secure.com

Platform
Windows XP (SP3, 32 bit)

During July, August and September 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:		
		JUL	AUG	SEP
Protection against 0-day malware attacks from the internet, inclusive of web and e-mail threats (Real-World Testing)	Industry average: 77% in % Samples used: 66	100	94	89
Blocking of malware on or post execution (Dynamic Detection Testing)	Industry average: 50% in % Samples used: 20	60		
Detection of a representative set of malware discovered in the last 2-3 months (AV-Test reference set)	Industry average: 96% in % Samples used: 1,038,795	99	99	98
Detection of widespread malware (according to the WildList)	Industry average: 100% in % Samples used: 28,838	100	100	100
		5.0/6.0		

REPAIR	Cleaning and repair of a malware-infected computer	REPAIR SCORE:		
		JUL	AUG	SEP
Removal of all active components of widespread malware (according to the WildList) from a computer	Industry average: 80% in % Samples used: 20	85		
Removal of further malicious components and remediation of critical system modifications made by malware	Industry average: 50% in % Samples used: 20	65		
Detection of deliberately hidden active malware (Rootkits and stealth malware)	Industry average: 83% in % Samples used: 18	94		
Removal of deliberately hidden active malware (Rootkits and stealth malware)	Industry average: 56% in % Samples used: 18	61		
		5.0/6.0		

USABILITY	Impact of the security software on the usability of the whole computer (lower values indicates better results)	USABILITY SCORE:		
		JUL	AUG	SEP
Average slow-down of the computer by the security software in daily use	Industry average: 236 in sec Number of test cases: 13	150		
False detections of legitimate software as malware during a system scan (false positives)	Industry average: 3 in # Number of test cases: 530,462	0	0	0
False warnings or blocking of certain actions during the installation and use of legitimate software	Industry average: 1 warnings, 1 blockings in # Number of test cases: 20	warnings: 0 blockings: 0		
		5.5/6.0		