



F-Prot v4 (beta)

Compared to previous version v3

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1. Introduction

With this test report we want to show the improvements of the upcoming F-Prot v4 compared to the actual F-Prot v3. F-Prot for Windows v4 is expected to be released around October 2006.

2. Detection rates

Below you will find the results of F-Prot v4 (right column) versus F-Prot v3 (the version tested in the August test; left column):

Company		Frisk Software		Frisk Software	
Product		F-Prot Anti-Virus		F-Prot Anti-Virus (beta)	
Program version		3.16f		6.0.4.3	
Engine / signature version		3.16.13		4.2.1.29	
On-demand detection of over 205000 dialers		not present		high	
On-demand detection of polymorphic viruses*		4 of 10		4 of 10	
Certification level reached in this test		STANDARD		ADVANCED	
On-demand detection of virus/malware					
DOS viruses/malware	230.456	229.879	99,75%	230.296	99,93%
Windows viruses	21.985	20.918	95,15%	21.146	96,18%
Macro viruses	38.291	38.290	~100%	38.291	100%
Script viruses/malware	7.865	7.329	93,18%	7.344	93,38%
Worms	28.573	26.338	92,18%	27.015	94,55%
Backdoors	104.816	91.834	87,61%	97.442	92,96%
Trojans	110.648	88.008	79,54%	96.004	86,77%
other malware	6.801	5.975	87,85%	6.055	89,03%
OtherOS viruses/malware	2.356	1.450	61,54%	1.714	72,75%
TOTAL	321.335	280.142	87,18%	295.011	91,81%
Total with DOS viruses/malware	551.791	510.021	92,43%	525.307	95,20%

* : detection of Andras (99,7%) and Driller (46,3%) improved.

Both program versions using signature database dated 7th August 2006.

The improvements are practically all due the new "Maximus Heuristic" and Generic Detections of F-Prot v4.

In the regular test-series of AV-Comparatives only final versions of Anti-Virus products can participate - so in August 2006 and also in November 2006 we had and will still test the F-Prot v3.

Would the final version of F-Prot v4 had been already publicly available the 7th August, it would had reach the ADVANCED award in the On-Demand comparative.

For comparing those results with the results of other antivirus products, please have a look at the test report of August 2006 (<http://www.av-comparatives.org/seiten/ergebnisse/report11.pdf>).

3. What's new in F-Prot for Windows v4

Here is a list of improvements and additions compared to F-Prot for Windows v3:

- incremental updates
- Scan Engine supports 64 Bit FileScan
- Product is also available for all major 64 Bit OS Versions (Windows, Linux)
- Ultraflexible Heuristic & Generic Engine
- Advanced support for Runtime Packer via Emulation
- Speed and Performance oriented Combination of Static Unpacking Functionality with additional Emulation Support

- Dedicated HLL Emulation (Visual Basic, Delphi) and Script Emulation (JavaScript, etc.) based on behavior
- Initial Support for "Smart Reports" via Heuristics (Tells the user what a file is doing, e.g. trying to download and to run a file from a specific domain)
- Brandnew userfriendly and comfortable Userinterface (the expert options can be found under the scheduled tasks)

4. Final comments

According to Michael St. Neitzel and Fridrik Skulason (from Frisk Software) the detection rates of the final version will be even better than this tested beta version which scored already reasonable well especially with the improved heuristics and generic detections. It looks like the F-Prot team remembers the old days in business when they had a very good dos heuristic and trying to establish this status again for current actual malware. During performing this test there was a new Word Exploit; F-Prot Version 4 detected all the dropped files proactively with the new maximus heuristic.

F-Prot v4 will be included in our regular test-series starting from 2007.

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