

# Anti-Virus Comparative

### Proactive test

## Kaspersky Internet Security 8.0

Date: June 2008

Last revision: 1<sup>st</sup> June 2008

Website: <a href="http://www.av-comparatives.org">http://www.av-comparatives.org</a>

#### 1. Tested product

KasperskyLab (www.kaspersky.com) will soon release Kaspersky Internet Security 2009 (v8). This new version includes a further improved heuristic analyzer (emulator) and detection of suspicious packers, as well as the AVZ-heuristics at HIPS level. Kaspersky Internet Security v8 with signature updates of the 4<sup>th</sup> February 2008 and with highest settings was tested. The used test-set is the same as the one used for the retrospective test of May 2008 (http://www.avcomparatives.org/seiten/ergebnisse/report18.pdf). In the retrospective test of May 2008, KAV v7 detected ~21% and got a "STANDARD" rating (probably because it was a product targeted by malware authors).

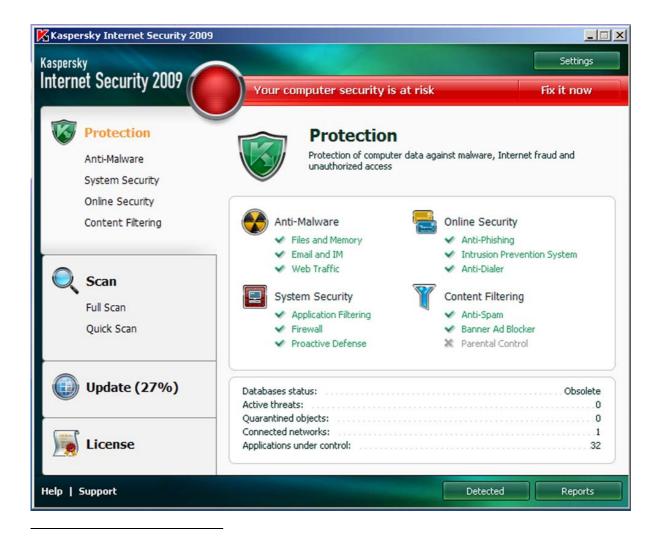
#### 2. Test results

Below the proactive detection rates of KIS 8.0:

KIS v8 with maximum emulator settings: ~42%

KIS v8 with emulator settings like in HIPS: ~49%

With a total on-demand detection rate of ~42% in the retrospective test and a very low rate of false alarms, Kaspersky Internet Security version 8.0 would in our retrospective test have reached the "ADVANCED" certification level.



 $<sup>^{1}</sup>$  this is a very similar result to the November 2007 retrospective test of Kaspersky Anti-Virus 7.0

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When the malware is executed, the **current HIPS** (Application control) included in Kaspersky Internet Security v8 **would automatically block** (or strongly recommend to block) **around 68%** of the samples from the retrospective test-set, which is a good score.

Kaspersky v6 and v7 had the Proactive Defense Module (PDM) to stop malicious samples based on patterns of "bad behaviour".



The new v8 includes a HIPS module put some restrictions applications execution. When a potentially dangerous program is KIS launched, v8 recommend to block the program execution - it is also possible to limit the program execution, blocking the dangerous operations. Classic HIPSsolutions usually require huge knowledge and time from the user to configure them properly (and have usually a high level false alarms at the beginning), KasperskyLab circumvented has the false alarms problem combining the power of the now included AVZ-engine scripts Emulator the classic to HIPS-approach: a heuristically determined danger rating.



Based on this rating KIS v8 assigns a security group to any new running application and for all the four groups a predefined vector of privileges which cover all potentially dangerous actions exists.

E.g. samples with a danger index of 100 get blocked automatically. So, about 2/3 of the samples used in the retrospective test were blocked automatically during first execution.

The rules for the security rating calculation (the AVZ-engine scripts) are updatable - in fact they will be updated/improved during next weeks.

For more information about Kaspersky Internet Security 2009, please visit <a href="http://www.kaspersky.com">http://www.kaspersky.com</a>

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