virus BULLETIN

KASPERSKY LINUX MAIL SECURITY VBSPAM TEST RESULTS SUMMARY

Kaspersky Security 8 for Linux Mail Server

SC rate: 99.97%

FP rate: 0.00%

Final score: 99.97

Project Honey Pot SC rate: 99.96%

Abusix SC rate: 99.99%

Newsletters FP rate: 0.0%

Kaspersky Lab publishes a lot of research on spam trends (link) – its quarterly reports are a must-read for anyone working in the field (link) – and of course, the company has its own anti-spam solutions. *Kaspersky Security 8 for*

Linux Mail Server was first submitted to our tests in the summer of 2012, after a previous *Kaspersky Lab* product had performed well in earlier tests. *Kaspersky Security 8 for Linux Mail Server* has never failed to achieve a VBSpam award and has won eight VBSpam+ awards in the last 13 tests.

The most recent test saw the product achieve the highest final score amongst participants, and the spam catch rate of 99.97% is certainly impressive. The product's 8th VBSpam+ award thus couldn't be any more greatly deserved.

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Test	Result	Final score	SC rate %	False positives
March 2015 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.97	99.97	0
January 2015 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.91	99.91	0
November 2014 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.96	99.96	0
September 2014 Kaspersky Security 8 for Linux Mail Server	SPAM Verified	99.80	99.84	1
July 2014 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.83	99.85	0
May 2014 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.79	99.80	0
March 2014 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.75	99.75	0
January 2014 Kaspersky Security 8 for Linux Mail Server	SPAM Verified	99.63	99.90	4
November 2013 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.92	99.92	0
September 2013 Kaspersky Security 8 for Linux Mail Server	SPAM Verified	99.77	99.90	3
July 2013 Kaspersky Security 8 for Linux Mail Server	SPAM+ Verified	99.85	99.85	0
May 2013 Kaspersky Security 8 for Linux Mail Server	SPAM Verified	99.82	99.85	1
March 2013 Kaspersky Security 8 for Linux Mail Server	SPAM Verified	99.39	99.39	0

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METHODOLOGY

The VBSpam test methodology can be found at
http://www.virusbtn.com/vbspam/methodology/. As usual,
emails were sent to the products in parallel and in real time,
and products were given the option to block email pre-DATA
(that is, based on the SMTP envelope and before the actual
email was sent).

For those products running on our equipment, we use *Dell
PowerEdge* machines. As different products have different
hardware requirements – not to mention those running on
their own hardware, or those running in the cloud – there
is little point comparing the memory, processing power or
hardware the products were provided with; we followed the
developers' requirements and note that the amount of email
we receive is representative of that received by a smaller
organization.

To compare the products, we calculate a 'final score', which
is defined as the spam catch (SC) rate minus five times the
weighted false positive (WFP) rate. The WFP rate is defined
as the false positive rate of the ham and newsletter corpora
taken together, with emails from the latter corpus having a
weight of 0.2:

WFP rate = (#false positives + 0.2 * min(#newsletter
false positives , 0.2 * #newsletters)) / (#ham + 0.2 *
#newsletters)

Products earn VBSpam certification if the value of the final
score is at least 98:

$$SC - (5 \times WFP) \geq 98$$

Meanwhile, products that combine a spam catch rate of
99.5% or higher with a lack of false positives and no more
than 2.5% false positives among the newsletters earn a
VBSpam+ award.

The test period started at 12am on Saturday 25 October and
ran for 16 consecutive days, ending at 12am on Monday
11 November. The test corpus consisted of 80,034 emails.
68,542 of these emails were spam, 51,471 of which were
provided by *Project Honey Pot*, with the remaining 17,071
emails provided by *spamfeed.me*, a product from *Abusix*
(the relatively small size of the *Abusix* corpus was due to
a technicality on our side). They were all relayed in real
time, as were the 11,152 legitimate emails ('ham') and 340
newsletters.

KASPERSKY lab

Web: www.kaspersky.com

VBSpam quadrant - March 2015