

virus

BULLETIN

Covering the global threat landscape

VB100 COMPARATIVE REVIEW ON WINDOWS 7 PRO 64 BIT

INTRODUCTION

This test on *Windows 7* began shortly before the release of *Windows 10*, the platform version designed to replace and supplant *Windows 7*. However, it seems likely that many users will stick with *Windows 7* for at least some time to come. The latest figures available at the time of writing this report put *Windows 7* on just under half of all desktops and laptops, with non-*Windows* platforms accounting for little more than 10%. With *Windows* still the biggest target for malware creators, it is vital that users are protected, and as ever we endeavour to detail which security solutions are providing the best service.

A typically large and diverse selection of solutions were submitted for testing, with most of our regular participants present, as well as a handful of occasional ones and a few new faces. For the most part these new faces integrate established scanning engines into their products, but a few brave souls continue to try to break into the market – some of them achieving impressive results. The long-rumoured consolidation of the anti-malware industry shows no signs of occurring any time soon, with the market apparently supporting a broad diversity to supply the needs of the huge range of users around the world.

PLATFORM AND TEST SETS

Our standard *Windows 7* test images were used for this test, with a few minor tweaks and updates, mainly to the tools we use to facilitate our tests. Set-up was thus fairly straightforward, aided by several years of practice and experience, leaving plenty of time to prepare the sample sets.

The set of clean files used for false-positive testing was given a standard update, with older items retired and a batch of new packages added, including both installers and

installed content. The detection sets were also built using our standard process, incorporating all samples first seen by our labs no more than two weeks prior to running each part of the test.

The malware certification sets were based on the latest WildList set available on the test deadline – version 4.018 released on 17 June 2015, a week prior to the submission deadline of 24 June, thus giving all participants ample time to ensure their detection was up to scratch.

With everything in place we got down to business, with a long list of products to work through.

BUSINESS PRODUCTS

Avira Antivirus Pro

Main version: 15.0.11.574

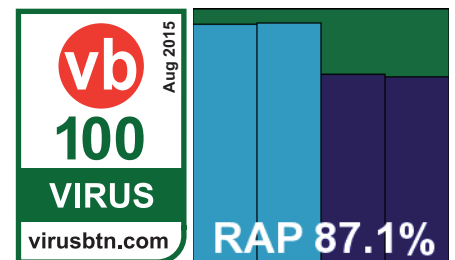
Update versions: 8.11.242.104, 15.0.11.579/8.11.246.10, 8.11.247.212, 8.11.253.186

Last 6 tests: 5 passed, 0 failed, 1 no entry

Last 12 tests: 10 passed, 0 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Fair

First up this month is Avira's 'Pro' edition, which has a strong record in our tests of late, with passes in all but our *Linux*



tests (which were not entered) over the last couple of years. Under *Windows 7*, the product installs in decent time and

looks sober and sensible with a wide range of featured modules listed in the main menu.

Stability was a little shaky at times, with a number of scan jobs freezing or crashing out, but in more normal use, away from large swathes of malicious samples, things were much more stable. Performance was decent, with memory use nice and low, CPU use a little high, and impact on our set of standard activities around average for this month's batch of business products.

Detection was excellent as usual, with good coverage across the sets, and Avira's tally of VB100 passes is extended with another VB100 award.

BluePex AVware Internet Security

Main version: 1.5.0.32

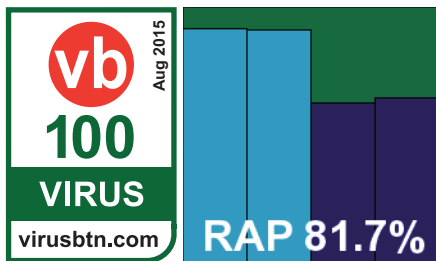
Update versions: 8320, 8640, 8734, 9035

Last 6 tests: 3 passed, 0 failed, 3 no entry

Last 12 tests: 4 passed, 0 failed, 8 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

BluePex has become a fairly familiar face in our tests over the last year or so, with the Brazilian product, which uses the VIPRE engine,



achieving a good run of passes after some initial teething problems. It took quite some time to complete the initial installation and set-up, but this was perhaps thanks to the distance of our lab from the company's main market regions. Once up, the interface features a fairly bright colour scheme with a spectral image of what appears to be a big cat adorning the background. These touches do little to disguise the basic controls, which are easy to access.

Stability was good, with only some minor issues noted, including a few missed translations and an oddity with the updates, which appeared to announce completion while still downloading data on some occasions. Performance was good too, all our measures falling pretty close to this month's averages, and detection was decent – strong in the reactive sets but dropping off noticeably into the later parts of the RAP test.

There were no problems in the core sets, with full coverage of our WildList set and no false alarms, thus BluePex earns another VB100 award.

Defenx Security Suite

Main version: 9.1

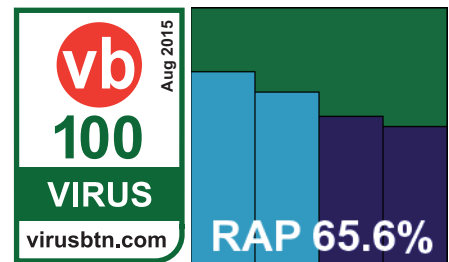
Update versions: 4560.701.1951 build 104, build 117, build 123, build 143

Last 6 tests: 5 passed, 0 failed, 1 no entry

Last 12 tests: 9 passed, 0 failed, 3 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

Defenx has managed a clean sweep in our Windows tests in the last year, with several more passes going further back. The



latest product version takes a few minutes to set up, but not too long, and the GUI is clean and crisp with a big, reassuring check-mark on the main page to confirm all is well. Configuration is provided in reasonable if not comprehensive depth, and is sensibly laid out and intuitive to navigate.

Stability was flawless with no issues to report. Performance was a mixed bag, with memory use on the low side, CPU use fairly high and our set of tasks taking quite some time to run through.

Detection was a little below par, with a rather steep decline through the sections of the RAP sets, but the WildList set was handled well, and with no problems in the clean sets a VB100 award is earned by Defenx.

ESTsoft ALYac

Main version: 3.0.0.4

Update versions: 13.3.21.1/554335.2015062415/7.61221/5706574.20150624, 13.3.21.1/561903.2015071016/7.61465/5778196.20150710, 13.3.21.1/562510.2015071716/7.61567/5795770.20150717, 13.3.21.1/563823.2015080316/7.61855/5877962.20150803

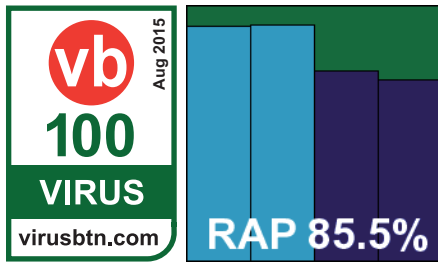
Last 6 tests: 5 passed, 0 failed, 1 no entry

Last 12 tests: 10 passed, 0 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Another product boasting a full house in our Windows tests over the last two years, ESTsoft's ALYac uses the

Bitdefender engine alongside its own technologies and is mainly active in the Korean market region.



Installation takes a very long time indeed, but users geographically closer to the company’s headquarters may find their experience somewhat better than ours. The interface is bright to the point of luminosity, and provides a good basic set of controls.

Stability was pretty good, with only a single minor incident noted, in which a scan job failed to produce the expected completion dialog at the end. Performance impact was pretty light, with memory use barely detectable. CPU use was well below average and our set of tasks completed in good time.

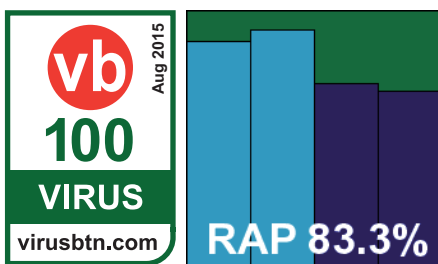
Detection was strong too, with very good scores in the reactive sets and not too sharp a drop into the offline reactive sets. The core certification sets were dealt with without problems, and a VB100 award is easily earned by *ESTsoft*.

Fortinet FortiClient

Main version: 5.0.9.1349
 Update versions: 5.220/26.259, 26.507, 26.671, 27.159
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 9 passed, 1 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Fair

Fortinet’s products are rarely absent from the VB100 test bench, and have been doing well of late, with passes in all



Windows tests in the past year. Set-up doesn’t take too long and the interface presented is simple and basic with minimal options available to the end-user.

Stability was dented rather heavily by a single incident in which the machine restarted unexpectedly, but this only occurred once and only when operating under an unusually heavy load. Performance was good, with low resource usage

and speedy completion of our set of standard activities.

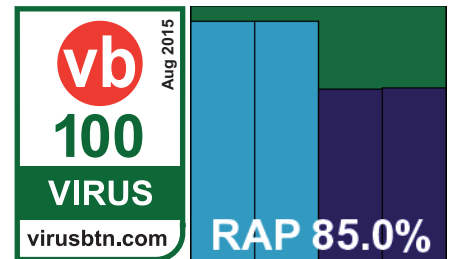
Detection was good, with a strong showing in the reactive sets and not too severe a decline into the proactive sets. The certification sets revealed no unexpected misses or false alarms, and another VB100 award goes to *Fortinet*.

Ikarus anti.virus

Main version: 2.8.20
 Update versions: 1.9.5/92281, 92439, 92565, 2.8.31/1.9.5/92854
 Last 6 tests: 3 passed, 1 failed, 2 no entry
 Last 12 tests: 6 passed, 2 failed, 4 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Our test history for *Ikarus* shows a fairly steady pattern with passes comfortably outweighing fails, and entries in the majority of our comparatives.



The overall look and feel of the main interface has changed little in several years, sticking to a tried-and-trusted formula in terms of both appearance and underlying layout; it presents a decent basic set of configuration options, and seemed generally responsive.

Stability was pretty good in all aspects, with only a single incident noted: the app crashing when switching rapidly between high-stress tasks. Performance impact was decent too, with RAM use a little higher than some other products this month but CPU usage very low and our set of activities completing in good time.

Detection was strong in the reactive sets, a little below the leaders in the proactive parts of the RAP test but still reasonable. The WildList and clean sets were dealt with appropriately, and *Ikarus* is deserving of another VB100 award.

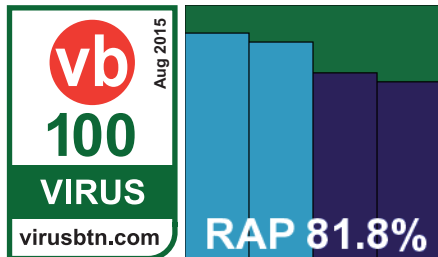
iSheriff Security from the Cloud

Main version: 5.6.0.0.605
 Update versions: 5.6.0/3.71, 5.6.2.0704, 5.6.3.0716
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 10 passed, 0 failed, 2 no entry

iSheriff Security from the Cloud contd.

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

Another product which includes the popular *Bitdefender* engine in its arsenal, *iSheriff* has also managed



to pass all *Windows* comparatives in the last two years, skipping only our *Linux* tests. As usual, installation involved visiting an online portal to acquire the correct package, but with some experience using the system it was all fairly simple and speedy. The interface is also web-based, with a cloud-side portal providing much of the configuration. Some controls are also available locally, but again a browser is used to access them.

Stability was very good indeed, with no problems noted throughout the testing period. Performance impact was pretty light, with RAM use spiking somewhat during busy periods but other resource measures remaining low and our set of tasks barely affected.

Detection was a little below what we might expect from the engine but still very decent across the board, and with no issues in the WildList or clean sets, *iSheriff* earns another VB100 award.

Kaspersky Endpoint Security 10 for Windows

Main version: 10.2.2.10535(mr1)
 Update versions: N/A
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 10 passed, 0 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable



Kaspersky's history in our tests is more complex than most, with a wide range of solutions submitted to most of our comparatives; they generally fare well, with a strong pass rate over the last few years. The current enterprise endpoint product takes some time to set up, but once active presents a highly polished interface with a complete set of controls

and fine-tuning options presented in a sensible and user-friendly fashion.

Stability was good, but once again we hit some issues with the company's cloud system, which did not fit well with the specialist set-up of our test lab; as a result much of our detection data was rendered unusable. Performance was good with a light footprint and minimal interruption of our set of tasks.

As mentioned above, some of our detection measures were rendered unreliable by issues with the cloud lookup system, but there were no problems handling the WildList and clean sets and a VB100 award is easily earned.

Kaspersky Small Office Security 4 personal computer

Main version: 15.0.2.361
 Update versions: 15.0.2.361(c)
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 7 passed, 0 failed, 5 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

The second business offering from *Kaspersky* this month is aimed at smaller firms. Once again it takes a good while to install and presents a slick and stylish interface with a full and detailed set of controls within easy reach.

Stability was generally sound, with the only issue once again a problem with the interaction of the *KSN* cloud system with our test set-up. RAM use was low but CPU use was fairly high, and our set of activities also showed a significant slowdown.

Detection figures are absent once again, but with no problems to report in the certification sets a VB100 award is earned.

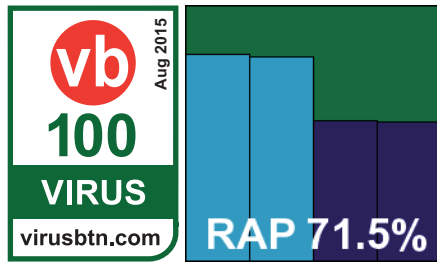


Microsoft System Center Endpoint Protection

Main version: 4.7.209.0
 Update versions: 1.1.11701.0/1.199.2954 .0, 1.11804.0/1.201.1054.0, 1.201.1609.0, 1.11903.0/1.203.1086.0
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 10 passed, 0 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

Microsoft's business solution has become a regular fixture in the VB100 tests of late, showing slow but steady improvements



and a very dependable pass rate, with awards in all Windows tests over the last two years (our annual Linux comparatives, of course, being skipped).

Stability was rock-solid once again, and performance impact was good too, with minimal RAM use and use of CPU cycles, and slowdown in our set of activities not excessive either.

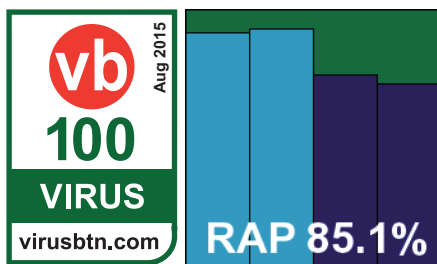
Detection was decent, with a marked decline into the proactive sets, but the core certification sets were handled impeccably and another VB100 award is well deserved.

Norman Security Portal

Main version: 7.61221
 Update versions: 5706574, 7.61458/577574, 7.61563/5791931, 7.61861/5881437
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 8 passed, 2 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Norman's fortunes over the last few years have been in flux, with the company dividing up, being acquired, the flagship product being



overhauled to use a third-party engine from Bitdefender, and its own venerable technology being retired. Of late, at least, it has been a regular participant in our testing, with a clean sheet of passes in the past year.

Stability was good this month, with only a few minor issues related to the browser-based interface. Performance was good too, with very low resource use and barely perceptible effect on the runtime of our set of activities.

Detection was strong too, with good scores across the board, and with a similarly strong performance in the core

certification sets Norman comfortably achieves a VB100 award.

Panda Endpoint Protection

Main version: 7.20.0
 Update versions: 7.20.0/7.20.2
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 9 passed, 1 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Panda's products have been doing well in our tests of late, with a good run of passes in the last year. The vendor's business product is simple to set up with the usual minimalist local GUI; more complex configuration is available in an online portal system, which looked slick and sensibly designed.



Stability was decent, and although we did have a couple of issues with big scans crashing out, these did not occur during normal everyday operations. Performance was good too, with very low resource usage and not too much interference with our set of standard activities.

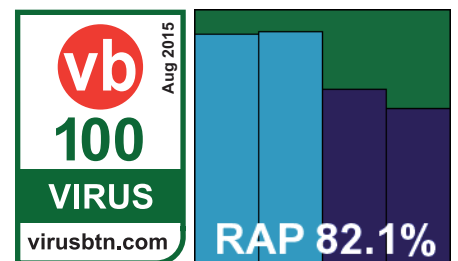
Detection was decent in the reactive sets, with no proactive data thanks to the product's heavy reliance on the cloud. The core sets were handled ably though, with no issues to report, and a VB100 award is well deserved.

Quick Heal Seqrite Endpoint Security

Main version: 16.00(9.0.0.4) 64Bit
 Update versions: N/A
 Last 6 tests: 2 passed, 0 failed, 4 no entry
 Last 12 tests: 2 passed, 0 failed, 10 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Quick Heal's Seqrite business product is a relative newcomer to our tests, with only one other appearance under its belt,



which resulted in a pass. The product interface, available

after a lengthy install process, will be familiar to anyone who knows the company’s standard product lines, with much the same layout but a more businesslike monochrome colour scheme, reverting to the usual green-and-grey on a few pop-ups.

Stability was OK, and although we did see a few scans crashing out, this only happened under heavy stress. Performance impact was reasonable too, with resource usage a little above average and our set of activities slowed down just a little.

Detection was very strong in the reactive sets with a steep drop into the offline proactive sets, and the core certification sets were dealt with well, earning *Quick Heal* another VB100 award.

TrustPort Antivirus 2015 (Corporate)

Main version: 2015(15.0.2.5430)

Update versions: 2015(15.0.2.5431), 2015(15.0.3.5432)

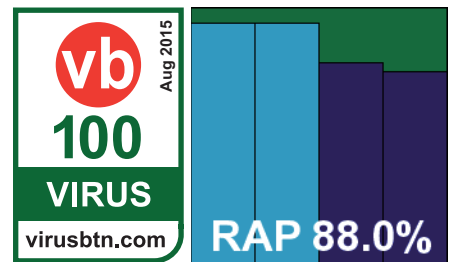
Last 6 tests: 3 passed, 0 failed, 3 no entry

Last 12 tests: 7 passed, 0 failed, 5 no entry

ItW on demand 100.00% **ItW on access** 100.00%

False positives 0 **Stability** Stable

There are two entries from *TrustPort* this month, with similar products entered in both the business and consumer categories.



The business-focused product set up nice and quickly, offering a pleasant, clear interface with large, informative buttons and icons; configuration is provided in detail with a sensible, easy-to-navigate design.

Stability was good too, with just some very minor issues with updating on some runs. Performance impact was also pleasingly small, with low resource use and minimal slowdown of our set of tasks.

Detection was excellent, as one would expect from a multi-engine solution, with superb scores in all sets. With impeccable handling of the core certification sets as well, *TrustPort* easily earns a VB100 award for its business solution.

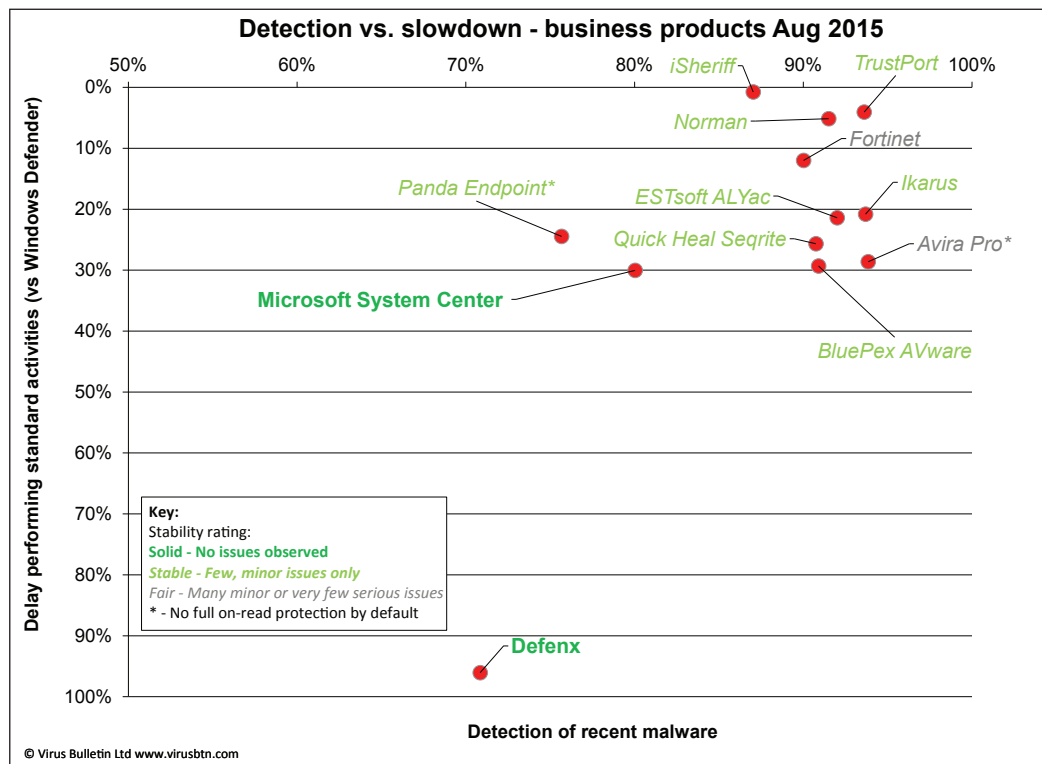
Certification tests – business products	On demand	On access	Clean sets		VB100
	Standard WildList	Standard WildList	FP	Warnings	
Avira Antivirus Pro	100.00%	100.00%			
BluePex AVware Internet Security	100.00%	100.00%			
Defenx Security Suite	100.00%	100.00%			
ESTsoft ALYac	100.00%	100.00%			
Fortinet FortiClient	100.00%	100.00%			
Ikarus anti.virus	100.00%	100.00%		1	
iSheriff Security from the Cloud	100.00%	100.00%			
Kaspersky Endpoint Security 10 for Windows	100.00%	100.00%		2	
Kaspersky Small Office Security 4 personal computer	100.00%	100.00%		2	
Microsoft System Center Endpoint Protection	100.00%	100.00%			
Norman Security Portal	100.00%	100.00%			
Panda Endpoint Protection	100.00%	100.00%			
Quick Heal Seqrite Endpoint Security	100.00%	100.00%			
TrustPort Antivirus 2015 (corporate)	100.00%	100.00%			

Product information – business products	Install time (m)*	Reboot required	Fully 64-bit	Third-party engine technology †	Stability score	Stability rating
Avira Antivirus Pro	4:00	X	X		5	Fair
Bluepex AVware Internet Security	14:45	√	X	ThreatTrack	1	Stable
Defenx Security Suite	5:45	√	√	Agnitum	0	Solid
ESTsoft ALYac	25:15	X	√	Bitdefender	1	Stable
Fortinet FortiClient	3:30	X	X		6	Fair
Ikarus anti.virus	11:30	X	X		5	Stable
iSheriff Security from the Cloud	5:30	X	X	Bitdefender	0	Solid
Kaspersky Endpoint Security 10 for Windows	8:45	√	X		2.5	Stable
Kaspersky Small Office Security 4 personal computer	13:30	X	X		2.5	Stable
Microsoft System Center Endpoint Protection	3:45	X	X		0	Solid
Norman Security Portal	4:00	X	√	Bitdefender	4	Stable
Panda Endpoint Protection	6:00	X	X		2.5	Stable
Quick Heal Seqrite Endpoint Security	15:00	X	√		4.5	Stable
TrustPort Antivirus 2015 (corporate)	9:00	√	X	Bitdefender	1	Stable

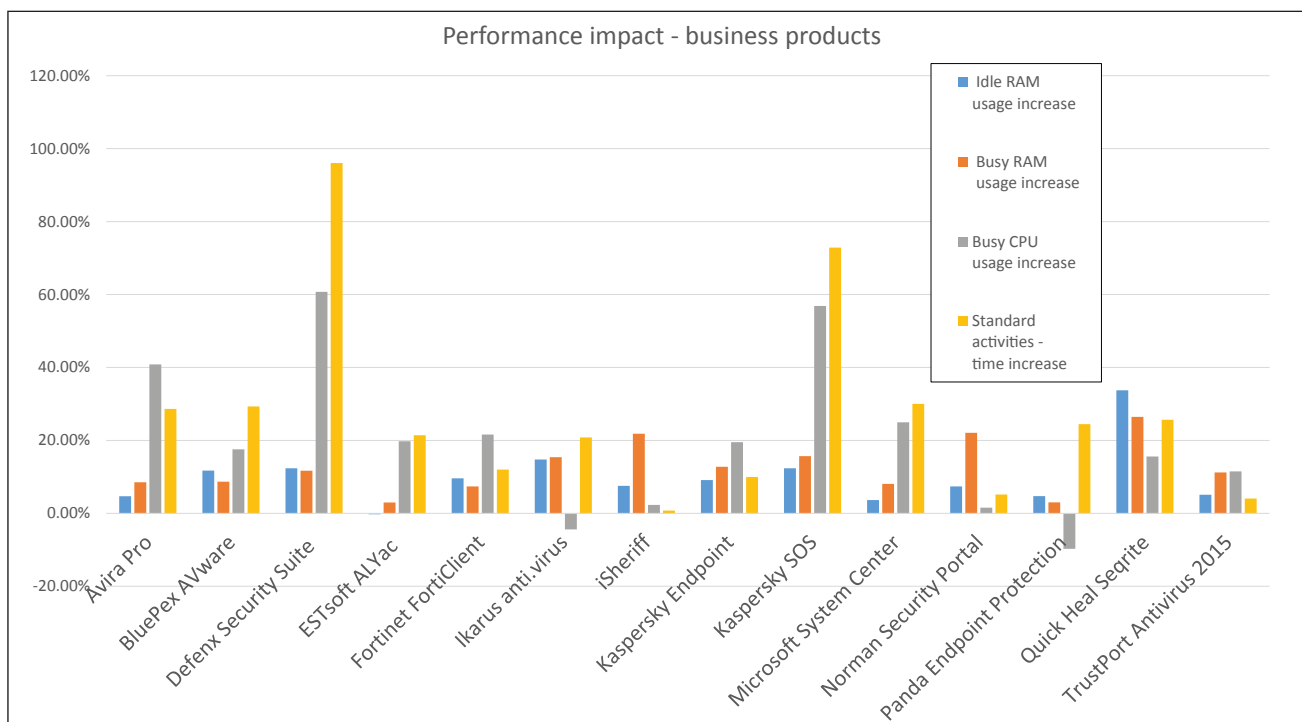
0 = Solid 0.1 – 4.9 = Stable 5 – 14.9 = Fair 15 – 29.9 = Buggy 30+ = Flaky













* Install time includes initial updates and time to enable on-access protection (assuming reasonable typing speed and familiarity with product operation).

† Only records presence of third-party scanning engines, most products will include additional in-house technologies.



Performance measures – business products	Idle RAM usage increase	Busy RAM usage increase	Busy CPU usage increase	Standard activities - time increase
Avira Antivirus Pro	4.69%	8.52%	40.83%	28.63%
BluePex AVware Internet Security	11.71%	8.68%	17.55%	29.31%
Defenx Security Suite	12.35%	11.70%	60.74%	96.06%
ESTsoft ALYac	-0.26%	2.98%	19.76%	21.41%
Fortinet FortiClient	9.58%	7.38%	21.61%	11.99%
Ikarus anti.virus	14.77%	15.40%	-4.41%	20.81%
iSheriff Security from the Cloud	7.53%	21.83%	2.32%	0.76%
Kaspersky Endpoint Security 10 for Windows	9.13%	12.78%	19.51%	9.97%
Kaspersky Small Office Security 4 personal computer	12.35%	15.68%	56.86%	72.88%
Microsoft System Center Endpoint Protection	3.63%	8.09%	24.96%	30.04%
Norman Security Portal	7.38%	22.09%	1.54%	5.15%
Panda Endpoint Protection	4.72%	3.00%	-9.73%	24.46%
Quick Heal Seqrite Endpoint Security	33.74%	26.46%	15.60%	25.67%
TrustPort Antivirus 2015 (corporate)	5.09%	11.21%	11.51%	4.04%

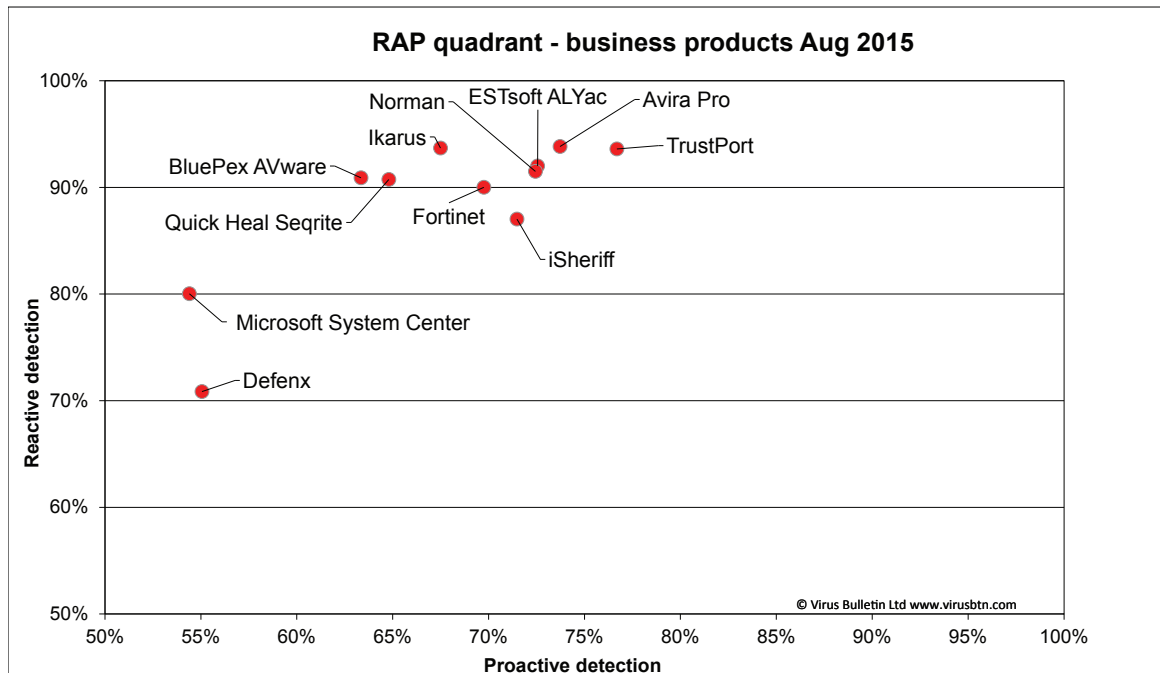


Reactive and Proactive (RAP) tests	VB100	Reactive		Proactive		Reactive average	Proactive average	Weighted average [‡]
		Set -2*	Set -1*	Set +1 [†]	Set +2 [†]			
Avira Antivirus Pro		93.6%	94.1%	74.4%	73.1%	93.8%	73.7%	87.1%
BluePex AVware Internet Security		91.1%	90.7%	62.3%	64.4%	90.9%	63.3%	81.7%
Defenx Security Suite		74.9%	66.8%	57.1%	53.0%	70.8%	55.1%	65.6%
ESTsoft ALYac		91.8%	92.2%	74.4%	70.7%	92.0%	72.6%	85.5%
Fortinet FortiClient		87.7%	92.3%	71.0%	68.5%	90.0%	69.8%	83.3%
Ikarus anti.virus		93.8%	93.6%	67.4%	67.6%	93.7%	67.5%	85.0%
iSheriff Security from the Cloud		88.8%	85.3%	73.2%	69.7%	87.0%	71.5%	81.8%
Microsoft System Center Endpoint Protection		80.6%	79.5%	54.6%	54.2%	80.0%	54.4%	71.5%
Norman Security Portal		90.6%	92.4%	74.3%	70.6%	91.5%	72.4%	85.1%
Panda Endpoint Protection		76.9%	74.5%	N/A	N/A	75.7%	N/A	N/A
Quick Heal Seqrite Endpoint Security		90.2%	91.3%	68.5%	61.1%	90.7%	64.8%	82.1%
TrustPort Antivirus 2015 (corporate)		93.6%	93.6%	78.4%	75.0%	93.6%	76.7%	88.0%

*Set -1 = Samples discovered 1 to 5 days before testing; Set -2 = Samples discovered 6 to 10 days before testing.

†Set +1 = Samples discovered 1 to 5 days after updates frozen; Set +2 = Samples discovered 6 to 10 days after updates frozen.

‡Weighted average gives equal emphasis to the two reactive weeks and the whole proactive part.



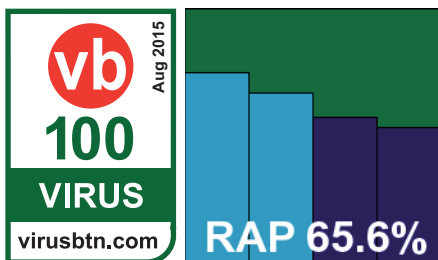
CONSUMER PRODUCTS

Agnitum Outpost Security Suite Pro

Main version: 9.1
 Update versions: 4652.701.1951 build 104, build 117, build 123, build 143
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 10 passed, 0 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

There has been a very strong run of late from *Agnitum*, with passes in all *Windows* comparatives over the last two years. The install process is a little drawn out, as usual, but the multi-component solution is slick and attractive with a good simple layout and easy access to a basic set of controls.



Stability was once again impeccable with no problems noted, even under the heaviest of stress. Performance impact was a little wild, with resource usage low, but our set of tasks slowed down significantly – this may have impacted our CPU usage measure which is averaged out over the full period of testing, implying that much of the extra time was spent idly waiting for a response from a remote source.

Detection was reasonable, with a steady decline through the sets, but the core sets were handled well, and *Agnitum* earns another VB100 award.

ALLIT Service Zillya! Internet Security

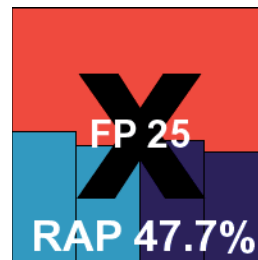
Main version: 14.8.2015
 Update versions: 2.0.0.2242/1.1.4776.0, 13.7.2016/2.0.0.2272, 28.7.2015/2.0.0.2284, 13.7.2016/2.0.0.2325
 Last 6 tests: 0 passed, 1 failed, 5 no entry
 Last 12 tests: 0 passed, 1 failed, 11 no entry

ItW on demand 83.30% **ItW on access** 82.44%
False positives 25 **Stability** Fair

Making its first appearance in the VB100 test this month, *ALLIT Service* hails from Ukraine, where it claims to be the only AV lab and boasts over 3 million users. The set-up

process was reasonably smooth and speedy, and the interface is glossy and clear with a nice intuitive layout and plenty of controls available.

Stability was shaken by a couple of issues, including one which seemed to lock up the system while trying to export a log to file, but for the most part things ran smoothly. Performance measures showed resource use a little above average, but our set of activities was completed in a pleasingly rapid time.



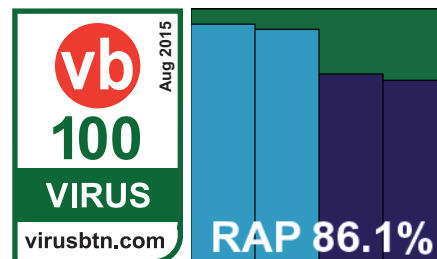
Detection was a little below par but still pretty impressive for a fairly young product; the WildList was reasonably well covered but there were a good few items not detected. A number of items in the clean sets were flagged as malicious too, including packages from *Dell*, *Sony*, *Google*, *Microsoft* and *nVidia*. These issues mean that, despite a generally strong showing, the team behind *Zillya!* still have a little more work to do to earn their first VB100 award.

Avast Free Antivirus

Main version: 2015.10.2.2218
 Update versions: 150623-7, 150706-1, 150713-0, 10.3.225/150803-1
 Last 6 tests: 6 passed, 0 failed, 0 no entry
 Last 12 tests: 9 passed, 2 failed, 1 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Avast has picked up an unbroken set of passes in our tests in the last year, a noteworthy achievement. The free product installs



in decent time and presents its glossy and professional interface, once noted for its beauty but which has lost a little elegance in the latest redesign which squares up the edges to fit the stylings of the latest versions of *Windows*.

Stability was good, with just a very minor issue with the logging system, and performance impact was good too, with low use of resources and our set of tasks running through in good time.

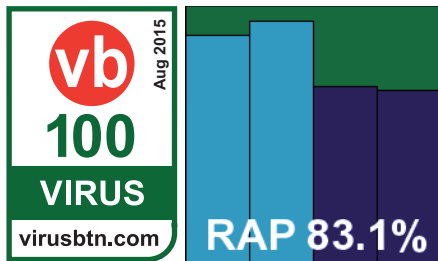
Detection was very strong, with just a slight decline into the proactive sets. The WildList and clean sets presented no difficulties, and *Avast* picks up yet another VB100 award.

AVG Internet Security

Main version: 2015.0.6037
 Update versions: 4365/10089, 10174,
 2015.0.6081/10219, 2015.0.6.122/4392/10364
 Last 6 tests: 6 passed, 0 failed, 0 no entry
 Last 12 tests: 12 passed, 0 failed, 0 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

AVG maintains a flawless recent record in our tests, with passes in all comparatives in the last two years, and an excellent record of success in



the long term too – no more than a handful of fails in the last decade of testing. The latest suite edition installs in reasonable time and presents the usual dark and brooding interface, lightened on the home screen by some nice clear buttons covering the main components. Configuration options are in good depth and easy to access.

Stability was decent, with just a single issue noted, and that only under heavy stress; performance was good too, with pleasingly low resource usage and little impact on our set of tasks.

Detection was decent, with respectable scores across the board, and with another clean sweep of our certification sets AVG extends its string of success with another VB100 award.

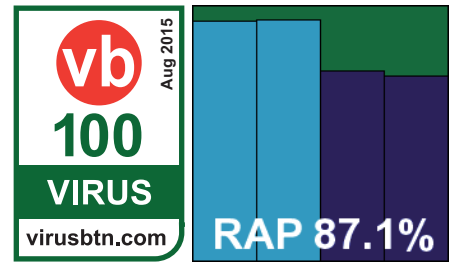
Avira Free Antivirus

Main version: 15.0.11.574
 Update versions: 8.11.242.104, 15.0.11.579/8.11.246.10,
 8.11.247.212, 8.11.253.180
 Last 6 tests: 3 passed, 0 failed, 3 no entry
 Last 12 tests: 6 passed, 0 failed, 6 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Fair

Avira's free solution usually only appears in our desktop tests, but has picked up a strong run of passes where it has

participated. The current edition is quick to install and as ever looks glossy and professional with a sensible layout and a good set of controls.



Stability was mostly decent, but we did encounter a number of crashes during scanning. The developers seem to have pinned these down based on our feedback. Performance impact was minimal, with very low use of resources and a zippy time taken to complete our set of activities.

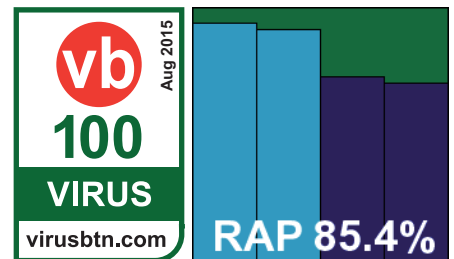
Detection was excellent, with very high numbers in our reactive sets, the proactive sets a little lower but still very respectable. The core sets were handled very efficiently with no issues to report, and *Avira* picks up another VB100 award.

Bitdefender Antivirus Plus 2015

Main version: 18.22.0.1521
 Update versions: 7.61207/5709137, 7.61458/5775574,
 7.61561/5790293, 7.61807/5867639
 Last 6 tests: 6 passed, 0 failed, 0 no entry
 Last 12 tests: 12 passed, 0 failed, 0 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

Bitdefender also boasts an unbroken string of passes in our comparatives, dating back more than five years now.



As its name suggests, the current 'AV+' product does indeed feature a range of components beyond the basics of malware detection, including a batch of browser add-ons, but set-up was swift and simple nevertheless.

Stability was splendid, with not the slightest wobble even under heavy pressure; performance impact was excellent too, with RAM use around average but CPU use and impact on our set of tasks barely discernible.

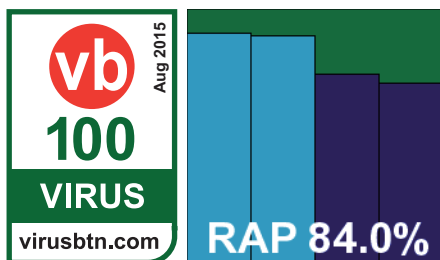
Detection was superb too, with very good scores across the board. With no issues in the certification sets, *Bitdefender* comfortably notches up yet another VB100 award.

BullGuard Antivirus

Main version: 15.1.305
 Update versions: 7.61221, 15.1.306.1/7.61458, 7.61561, 15.1.307.2/7.61807
 Last 6 tests: 3 passed, 0 failed, 3 no entry
 Last 12 tests: 8 passed, 0 failed, 4 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

BullGuard's test history has been confined to our desktop tests of late, where the vendor's home-user product has fared very



well indeed for some time. The current iteration takes a fair while to install and run initial updates, but once complete provides an interface with plenty of space for additional components not included in the basic package.

Stability was once again excellent with no issues to report, and performance was good too, with RAM use fairly standard, CPU use low and our set of tasks barely affected.

Detection was very strong indeed, helped along as usual by the *Bitdefender* engine, and *BullGuard* proves more than worthy of another VB100 award.

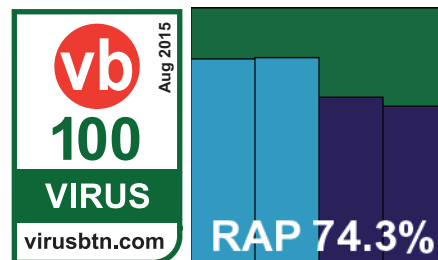
Check Point ZoneAlarm Extreme Security

Main version: 13.4.263.000
 Update versions: 8.5.1.88
 Last 6 tests: 3 passed, 0 failed, 3 no entry
 Last 12 tests: 6 passed, 0 failed, 6 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

Another product mainly featured in our desktop tests, *Check Point's* iconic *ZoneAlarm* has managed to pass all tests entered in the last two years. Set-up is reasonably speedy and straightforward, and the product GUI is much as it has been for many years now – a little wordy and with only a basic set of options, but sensibly laid out and simple to navigate.

Stability was impeccable, with no problems noted. Performance impact measures showed RAM use a little on the high side, and our set of tasks noticeably slowed down, which may account for the low CPU use figure which is averaged out over the time taken to complete the set of activities.



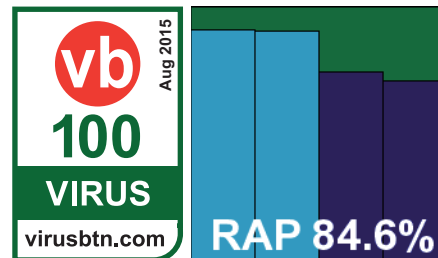
Detection was decent, if not stellar, with a distinct decline into the later test sets, but the core certification sets were well handled and *Check Point* picks up another VB100 award.

CompuClever Antivirus Plus

Main version: 15.3
 Update versions: 7.61220/5707819, 7.61458/5775574, 7.61561/5790293, 7.61807/5867639
 Last 6 tests: 1 passed, 0 failed, 5 no entry
 Last 12 tests: 1 passed, 0 failed, 11 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

Another new face making its first appearance this month, *CompuClever* provides a range of PC optimization tools and other software



alongside its anti-malware offering, which is based on the *Bitdefender* engine. Installation wasn't too slow, and the interface presented proved only cosmetically different from *Bitdefender's* own, even including the same suite of extras such as the browser plug-in wallet system. The design is slick and attractive, with a good range of options available and intuitive deployment of controls.

Stability was perfect throughout testing, with not the slightest shake even under heavy stress. Performance impact was decent too, with RAM use perhaps a little above average but CPU usage and impact on our set of tasks both pretty low.

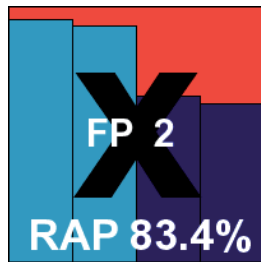
Detection was as excellent as one would expect, with good scores everywhere. The WildList and clean sets were handled with pinpoint accuracy, earning *CompuClever* its first VB100 award on its debut.

CYREN Command Anti-Malware

Main version: 5.1.35
 Update versions: 5.4.20
 Last 6 tests: 1 passed, 4 failed, 1 no entry
 Last 12 tests: 2 passed, 7 failed, 3 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 2 **Stability** Solid

CYREN's Command product has suffered from issues with false positives of late, with problems cropping up in a number of recent tests. The product itself remains minimally changed over the last several years, with a very compact install package which runs through very quickly and presents the usual pared-down, simple interface with a decent basic set of configuration options within easy reach.



Stability was great, with no problems at all, and performance impact numbers show low RAM use, CPU use a little high, and slowdown of our set of tasks a little on the high side too.

Detection was excellent in the reactive sets where *CYREN's* cloud system is in play, and a little less distinguished in the offline proactive test. The WildList sets were properly covered, but once again in the clean sets we spotted a couple of unexpected alerts: one on an install package for the widely deployed Java Runtime Environment and another on an updater tool shipped with *Lenovo* laptops. This, of course, meant that once again there was no VB100 award for *CYREN*.

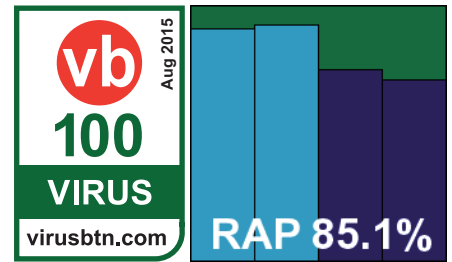
Emsisoft Anti-Malware

Main version: 10.0.0.5409
 Update versions: 10.0.0.5532, 10.0.0.5532, 10.0.0.5561
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 9 passed, 1 failed, 2 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Fair

Emsisoft has managed a pass in all our tests in the last year, and in most of them in the last two years. The company's

flagship anti-malware solution takes a while to install, but once up and running presents a very bright and cheery interface with loud colours providing instant information and a good range of configuration options.



Stability was shaken somewhat by some problems scanning large sets of files – this issue has since been pinned down and fixed by the developers and is unlikely to affect normal users in the real world. We also saw a single instance of an update failing to complete, but running fine on the second attempt.

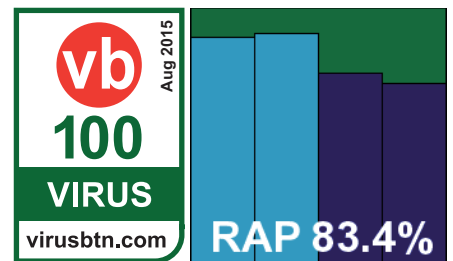
Performance was good, with very low use of resources and a good time taken to complete our set of tasks. Detection, aided as usual by that *Bitdefender* engine, was pretty strong across the board, even with the issues completing some scans, and with an excellent showing in the certification sets *Emsisoft* earns another VB100 award.

eScan Internet Security Suite for Windows

Main version: 14.0.1400.1766 DB
 Update versions: 14.0.1400.1771 DB, 14.0.1400.1771 DB, 14.0.1400.1780 DB
 Last 6 tests: 6 passed, 0 failed, 0 no entry
 Last 12 tests: 11 passed, 1 failed, 0 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Fair

Another of the band of vendors who routinely participate in all our tests, *eScan* boasts a perfect six out of six VB100s in the last year and a pretty excellent



history in general. This month it took a little while to get things set up. The interface presented was fairly colourful in the main sections, remaining dark and shadowy around the edges. Configuration options are provided in complete depth, with a clear and simple layout.

Stability was shaken on this occasion by a number of issues, including a couple of scans crashing out, some

strange behaviour with the desktop, and on one occasion an unexpected restart which may have been due to the product re-enabling *Windows Update*. Performance measures showed fairly high RAM use but quite low CPU, at least when spread out over the longer-than-usual time taken to complete our set of activities.

Detection was very good though, with good coverage throughout, and with no issues in the core certification sets *eScan* earns another VB100 award.

ESET NOD32 Antivirus

Main version: 8.0.312.0

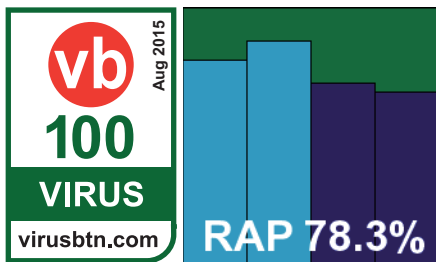
Update versions: 11836, 11896, 11931, 8.0.319.0/12035

Last 6 tests: 6 passed, 0 failed, 0 no entry

Last 12 tests: 12 passed, 0 failed, 0 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

ESET is the longest-standing member of the elite group of vendors with passes in all our comparatives in recent years – in this case the run of



passes stretching way back into the distant past. This time we once again saw the venerable *NOD32* product in its latest incarnation, which installs in good time and presents the usual very slick and attractive interface, laden with detailed configuration controls but simple to navigate and operate.

Stability was rock-solid once again, with no problems at all, and our performance data shows RAM use barely perceptible at idle, rising to around average during intensive use, with a very minimal impact on our set of standard activities.

Detection was solid and reliable too, and with yet another clean sweep of the certification sets, *ESET's* collection of VB100 awards continues to grow.

G Data Antivirus

Main version: 25.1.0.3

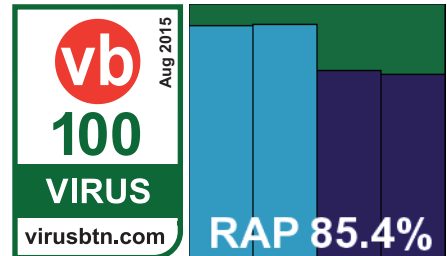
Update versions: AVA 25.2167/GD 25.5274, AVA 25.2437/GD 25.5341, AVA 25.2540/GD 25.5362, AVA 25.2788/GD 25.5415

Last 6 tests: 5 passed, 0 failed, 1 no entry

Last 12 tests: 9 passed, 0 failed, 3 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

G Data has also been building up an impressive run of results of late, with passes in all tests entered in the last two years, including



all *Windows* tests in the last 12 months. The latest edition looks crisp and fresh, with good clear information and the usual wealth of fine-tuning options.

Stability was good, but we did have a couple of minor annoyances, including a scan refusing to run thanks to loss of connection to the engine and an update not completing properly. Performance impact was a little heavy at times, with RAM use around average but CPU use very high, and our set of tasks slowed down somewhat.

Detection was strong, as usual, with good scores in all sets, and the certification sets were easily dealt with, earning *G Data* another VB100 award.

iolo System Shield AntiVirus & AntiSpyware

Main version: 4.5.2.687

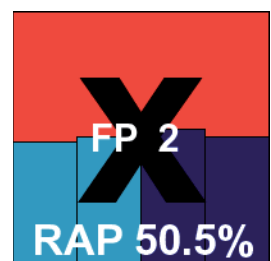
Update versions: N/A

Last 6 tests: 0 passed, 1 failed, 5 no entry

Last 12 tests: 1 passed, 1 failed, 10 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 2 **Stability** Stable

We don't have a lot of historical data for *iolo*, with only a handful of entries over the last few years, the most recent being a pass in late 2013. The product seems little changed from previous appearances though, presenting a clear and simple interface after its fairly rapid set-up process; configuration is in reasonable depth and easy to find.



Stability was good, with just a single scan crashing out, and performance impact figures show fairly low use of memory. CPU use was on the high side despite a pretty long time spent processing our set of activities.

Detection was reasonable, the *CYREN* engine revealing its heavy reliance on cloud technology, which is not available

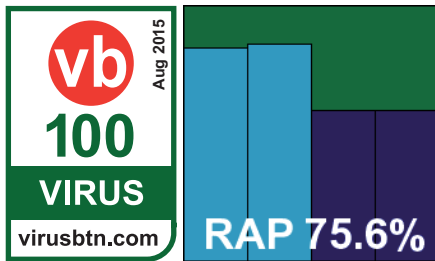
to this product. The WildList sets were properly dealt with, but in the clean sets the same items as in *CYREN*'s case were erroneously flagged as malicious, meaning *iolo*'s *System Shield* does not quite make the grade for a VB100 award this time.

K7 Internet Security

Main version: 14.2.0271
 Update versions: 9.205.16344, 9.205.16472, 15.1.0275/9.205.16540, 9.207.16763
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 7 passed, 1 failed, 4 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

K7 has a good string of passes over the last 12 months, combined with some excellent stability ratings. This time, installation was speedy. The interface remains ruggedly appealing with easy access to a good selection of controls, and stability was once again impeccable, with not the slightest sign of shakiness even under the heaviest of pressure.



Performance was good too, with RAM use around average, CPU use just a touch on the high side, and a good speed through our set of tasks.

Detection was reasonable, a little behind the very best but still pretty decent, and with a perfect showing in the certification sets *K7* comfortably earns another VB100 award.

Kaspersky Internet Security

Main version: 15.0.2.361(a)
 Update versions: 15.0.2.361(c), 15.0.2.361(c), 16.0.0.614(a)
 Last 6 tests: 5 passed, 0 failed, 1 no entry
 Last 12 tests: 8 passed, 0 failed, 4 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Alongside the pair of business products this month we have a consumer solution from *Kaspersky*, the company's

flagship suite product, which has become something of a fixture on the *VB* test bench of late with a clean sweep of passes in the last year. The set-up includes a number of extras including several browser plug-ins, which adds to the time required to complete the job. The interface is as glossy and professional as ever, with a comprehensive set of configuration options within easy reach of the user.



Stability was decent, with a few minor oddities and some network problems which have once again meant we have no usable RAP data. Performance data shows RAM use a little below average, CPU use on the high side, but our set of activities zipping through in excellent time.

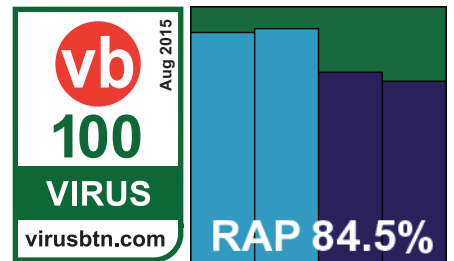
Detection measures were too unreliable to report, but the core certification sets were handled nicely in a performance that easily earns the product a VB100 award.

Lavasoftware Ad-Aware Free Antivirus +

Main version: 11.6.306.7947
 Update versions: 11.7.485.8398
 Last 6 tests: 3 passed, 0 failed, 3 no entry
 Last 12 tests: 6 passed, 0 failed, 6 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Fair

Entering all our desktop tests over the last few years, *Lavasoftware's Ad-Aware* has managed passes every time it has appeared of late. The



current set-up process is rather lengthy, but once finally up, the interface is bright, clean and modern looking, with good access to a basic set of configuration options.

Stability was shaken by some scans crashing out and an unexpected restart, all under heavy stress. Performance impact was once again a little odd, with RAM use a little high and our set of activities slowed down very significantly; as the very low CPU average indicates, much of this time was spent idly waiting for input from elsewhere – we continue to investigate this anomaly.

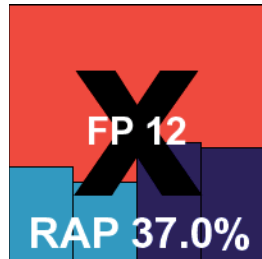
Detection, aided by the *Bitdefender* engine, was strong across the board, and the certification sets presented no difficulties either, earning *Lavasoftware* another VB100 award.

Maya Premium Internet Security

Main version: 2.0.75.134
 Update versions: 2.0.75.134, 2.0.77.136, 2.0.79.138
 Last 6 tests: 0 passed, 1 failed, 5 no entry
 Last 12 tests: 0 passed, 4 failed, 8 no entry

ItW on demand 23.10% **ItW on access** 10.89%
False positives 12 **Stability** Buggy

Maya Software has submitted a product for VB100 testing a few times over the last few years, as yet without achieving the required standard for certification. The product installs rapidly, and presents a somewhat garish interface which looks reasonably professional, if a little unfinished in places.



Stability was somewhat shaky, with a number of scans crashing out, issues with the logging system, and the on-access component refusing to work on several installs. Performance impact was fairly heavy too, with high use of RAM and a noticeable slowdown of our set of tasks.

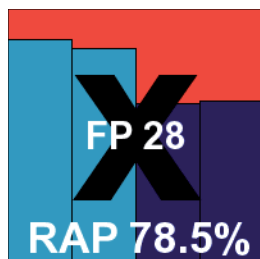
Detection was mediocre and a little unpredictable, with a much better showing in the offline proactive sets than elsewhere, fairly poor coverage of the WildList sets, and a handful of false positives too. *Maya* clearly still has some way to go before it earns its first VB100 award.

NANO antivirus

Main version: 0.30.24.67802 Beta
 Update versions: 0.14.23.5668, 0.30.24.68023/0.14.23.5725, 0.14.23.5758, 0.30.24.68532/0.14.23.5888
 Last 6 tests: 0 passed, 1 failed, 5 no entry
 Last 12 tests: 0 passed, 2 failed, 10 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 28 **Stability** Stable

Another relatively new name, *NANO* has only a single VB100 entry under its belt so far, and remains in Beta at the time of testing. Set-up was not too complex and the interface presented was clean and clear with a decent set of controls.



Stability was pretty good, with just one instance of a scan not covering all areas requested.

Performance impact was reasonable, with resource usage a little above average but slowdown of our set of activities not excessive at all.

Detection was pretty good too, keeping pace with the majority of products this month, and the WildList was covered perfectly, but a few false positives in our clean sets mean there is no VB100 award for the product just yet, despite a generally excellent performance from *NANO*.

Panda Internet Security 2015

Main version: 15.1.0
 Update versions: N/A
 Last 6 tests: 3 passed, 0 failed, 3 no entry
 Last 12 tests: 4 passed, 0 failed, 8 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Panda's second product this month is its home-user suite, which has become a regular in our desktop tests lately, racking up a full set of passes in the last year. As usual, set-up is quick and simple, and the interface looks very glossy and modern, divided into sections for the multiple components bundled in. Configuration is fairly simple and minimal, but easy to access.



Stability was generally very good, with just a single instance of an install process failing to complete properly. Performance impact figures show minimal RAM use, CPU use a little higher than most, and our set of tasks running through in good time.

Detection figures are pretty similar to those achieved by the business version – a little below *Panda's* usual high standards but still very respectable – and with a perfect showing in the certification sets *Panda's* consumer offering also earns a VB100 award.

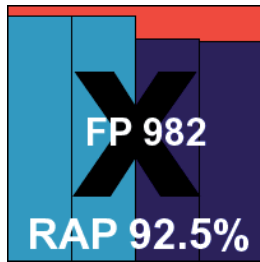
PC Pitstop PC Matic Home Security

Main version: 1.0.0.55
 Update versions: N/A
 Last 6 tests: 1 passed, 2 failed, 3 no entry
 Last 12 tests: 2 passed, 4 failed, 6 no entry

ItW on demand 99.41% **ItW on access** 100.00%
False positives 982 **Stability** Fair

PC Pitstop's test history has been somewhat patchy over the last few years, but some impressive detection rates

have been garnered thanks to the whitelisting component that is included in the product and exercised in most of our tests. Set-up isn't too lengthy or complex and, once up and running, the product interface is rather different from most, focusing as it does on optimization as well as security; configuration is only available at a basic level.



Stability was knocked by a number of unexpected restarts, which are actively being investigated by the product's developers. Performance was decent, with memory use around average, CPU use just a touch high, and our set of tasks not too severely impacted.

Detection was pretty superb, with excellent numbers across the RAP sets, but there were some misses in the WildList on-demand where the whitelisting component is unavailable, and in the clean sets quite a number of items were flagged too, meaning there is no VB100 award for *PC Pitstop* this month.

Quick Heal Total Security

Main version: 16.00(9.0.0.28) 64Bit

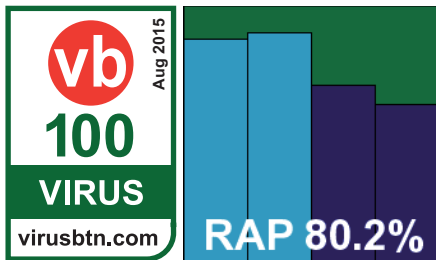
Update versions: N/A

Last 6 tests: 2 passed, 0 failed, 4 no entry

Last 12 tests: 7 passed, 1 failed, 4 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Quick Heal products have been absent from a few of our comparatives lately, but they generally do well, with a strong record



of passes in the last few years. The current '*Total*' version takes quite some time to set up, the time mainly being spent performing initial updates. The interface presented is clean and well laid out with the usual wealth of configuration options.

Stability was generally good, but a single scan failed to complete cleanly. Performance impact was OK too, with RAM use a touch high, CPU use average, and our set of tasks not too slowed down.

Detection was decent, with a fairly big drop into the proactive sets, but the certification sets were handled well and another VB100 award is earned by *Quick Heal*.

SmartCOP Total Security

Main version: 8.0

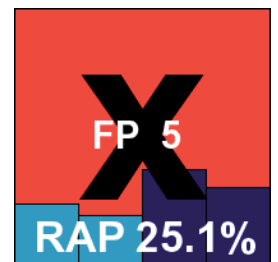
Update versions: 5774, 5787, 5795, 5817

Last 6 tests: 0 passed, 3 failed, 3 no entry

Last 12 tests: 0 passed, 3 failed, 9 no entry

ItW on demand 19.97% **ItW on access** 7.08%
False positives 5 **Stability** Buggy

Another fairly recent arrival on the VB100 test bench, *SmartCOP*'s previous appearances haven't been great and we look forward to some improvements. The set-up process is reasonably speedy, the interface a rather lurid orange colour but otherwise nicely designed with a decent set of configuration options.



Stability was not great: we had several scans crash out or freeze up, and even a couple of dreaded Blue Screen incidents, but most of the issues only occurred under heavy stress and are less likely to impact users in everyday life.

Performance figures show minimal RAM use but distinctly high use of CPU cycles, while our set of activities ran through in very good time.

Detection was fairly dismal, again rather better in the proactive parts of the RAP sets, somewhat surprisingly. The WildList was not well covered and there were issues in the clean sets too, meaning there is still no VB100 award for *SmartCOP*.

TeamViewer ITbrain Anti-Malware

Main version: 10.0.4.3879

Update versions: 10.0.4.3879, 10.0.45471

Last 6 tests: 4 passed, 0 failed, 2 no entry

Last 12 tests: 4 passed, 0 failed, 8 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

ITbrain is another relatively new name in the VB100 tests, but has picked up a number of awards in the past year. The product integrates nicely with the popular *TeamViewer* package produced by the same company. Installation is fairly zippy and simple, the interface a combination of an

online portal for setting up and applying policies and some local controls plugged into the standard *TeamViewer* app. Configuration is fairly detailed, and simple to apply.

Stability was good, with just a couple of high-stress scans not making it all the way through and, at one point, a complaint about a shortage of memory on the test machine (which is supplied with a fairly standard 4GB).

Performance impact figures show resource usage a fraction higher than this month's average, with a small but perceptible slowdown through our set of standard activities.

Detection, mainly provided by the *Bitdefender* engine, was pretty decent in the reactive sets, with no proactive data thanks to a reliance on Internet connectivity for operation of the product. The core certification sets were handled well though, and *ITBrain* picks up another VB100 award.



Tencent PC Manager

Main version: 10.9.25828.501

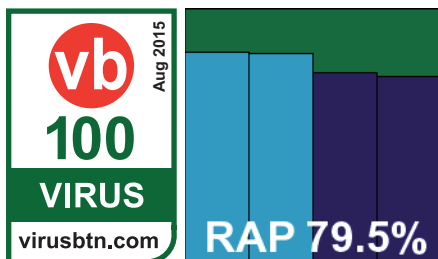
Update versions: N/A

Last 6 tests: 3 passed, 0 failed, 3 no entry

Last 12 tests: 8 passed, 0 failed, 4 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Solid

Having been absent from the last few tests after some issues with the configuration of submitted products, *Tencent* returns to pick up



where it left off, with a good string of passes over several years. The product includes the *Avira* engine alongside the company's own technologies, and is very quick indeed to install. The GUI is clean and simple with a good set of configuration options available, and stability was impeccable throughout our testing.

Performance impact was good too, with all stats hovering around this month's average numbers and our set of tasks not too heavily impeded.

Detection was decent, dropping slightly into the proactive sets, and the core certification sets were covered perfectly, heralding a return to VB100 award winning for *Tencent*.

Total Defense Internet Security

Main version: 9.0.0.355

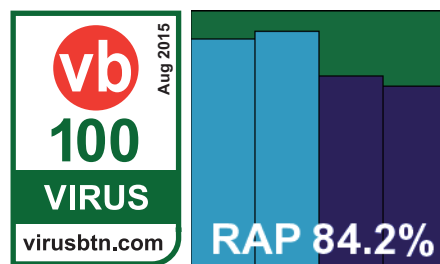
Update versions: 3.0.2.1015/2015.6.24.5, 2015.7.7.10, 2015.7.15.7, 2015.8.5.12

Last 6 tests: 2 passed, 0 failed, 4 no entry

Last 12 tests: 3 passed, 1 failed, 8 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Total Defense hasn't been the most regular of participants in our tests of late, but has picked up passes in its last few appearances.



The latest version is adorned with large boxes to denote the various components and provide nice clear information, and has a decent basic set of configuration options.

Stability was decent, with only a few very minor issues, and performance measures showed slightly high use of memory but very low CPU use and barely any impact on our set of tasks.

Detection was pretty strong across the board, and the core certification sets were dealt with well, thus adding another VB100 award to *Total Defense's* collection.

TrustPort Antivirus 2015 (Consumer)

Main version: 2015(15.0.2.5430)

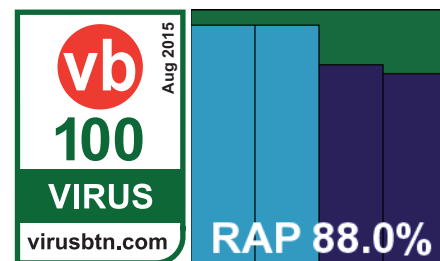
Update versions: 2015(15.0.2.5431), 2015(15.0.2.5432)

Last 6 tests: 3 passed, 0 failed, 3 no entry

Last 12 tests: 7 passed, 0 failed, 5 no entry

ItW on demand 100.00% **ItW on access** 100.00%
False positives 0 **Stability** Stable

Our final product this month is a second entry from *TrustPort*, essentially identical to the business edition.



Installation took a little while but not too long. The interface is fairly nicely laid out with a good set of configuration

options available, and stability was only shaken by a very minor error during one update run.

Performance impact was minimal, with low use of resources and only a very slight slowdown in our set of tasks.

Detection was superb once again, with very high scores everywhere, and with no problems in the core sets *TrustPort* comfortably earns a second VB100 award this month.

UNTESTED PRODUCTS

Several other products were submitted for testing this month but were not included in this report for one reason or another; these included solutions from *Kyrol Security*, *MSecure Data Labs* and *SecureaLive*.

CONCLUSIONS

Once again this month, the pass rate is pleasingly high, with most products having no problems with the WildList or our set of clean files. This is as it should be – the WildList is intended to be a set of very widespread threats which all respectable products should routinely pick up, while our clean set is similarly constructed to contain only fairly recent and relatively common files which should not be flagged by most products, most of the time. Of those entrants that did not quite make the grade, the majority are relative newcomers to the market, several of them bravely building up whole new detection technologies to compete with the existing long-established players.

Stability ratings were also pleasingly good this month, with all products in the business category managing a ‘stable’ rating at the very least, a good sign that more demanding corporate users are being well served with well-tested solutions. We hope to see a similarly high standard in the next test, on *Windows Server 2008*.

Technical details

All tests were run on identical systems with AMD A6-3670K Quad Core 2.7GHz processors, 4GB DUAL DDR3 1600MHz RAM, dual 500GB and 1TB SATA hard drives and gigabit networking, running *Microsoft Windows 7 Professional*, 64-bit edition with SP1.

Any developers interested in submitting products for VB's comparative reviews, or anyone with any comments or suggestions on the test methodology, should contact john.hawes@virusbtn.com. The current schedule for the publication of VB comparative reviews can be found at <http://www.virusbtn.com/vb100/about/schedule.xml>.

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Certification tests – consumer products	On demand	On access	Clean sets		VB100
	Standard WildList	Standard WildList	FP	Warnings	
Agnitum Outpost Security Suite Pro	100.00%	100.00%			
ALLIT Service Zillya! Internet Security	83.30%	82.44%	25		X
Avast Free Antivirus	100.00%	100.00%		23	
AVG Internet Security	100.00%	100.00%		1	
Avira Free Antivirus	100.00%	100.00%			
Bitdefender Antivirus Plus 2015	100.00%	100.00%			
BullGuard Antivirus	100.00%	100.00%			
Check Point ZoneAlarm Extreme Security	100.00%	100.00%			
CompuClever Antivirus Plus	100.00%	100.00%			
CYREN Command Anti-Malware	100.00%	100.00%	2		X
Emsisoft Anti-Malware	100.00%	100.00%			
eScan Internet Security Suite for Windows	100.00%	100.00%			
ESET NOD32 Antivirus	100.00%	100.00%			
G Data Antivirus	100.00%	100.00%			
iolo System Shield AntiVirus & AntiSpyware	100.00%	100.00%	2		X
K7 Internet Security	100.00%	100.00%			
Kaspersky Internet Security	100.00%	100.00%		2	
Lavasoft Ad-Aware Free Antivirus +	100.00%	100.00%			
Maya Premium Internet Security	23.10%	10.89%	12		X
NANO antivirus	100.00%	100.00%	28		X
Panda Internet Security 2015	100.00%	100.00%			
PC Pitstop PC Matic Home Security	99.41%	100.00%	982		X
Quick Heal Total Security	100.00%	100.00%			
SmartCOP Total Security	19.97%	7.08%	5		X
TeamViewer ITbrain Anti-Malware	100.00%	100.00%			
Tencent PC Manager	100.00%	100.00%			
Total Defense Internet Security	100.00%	100.00%			
TrustPort Antivirus 2015 (consumer)	100.00%	100.00%			

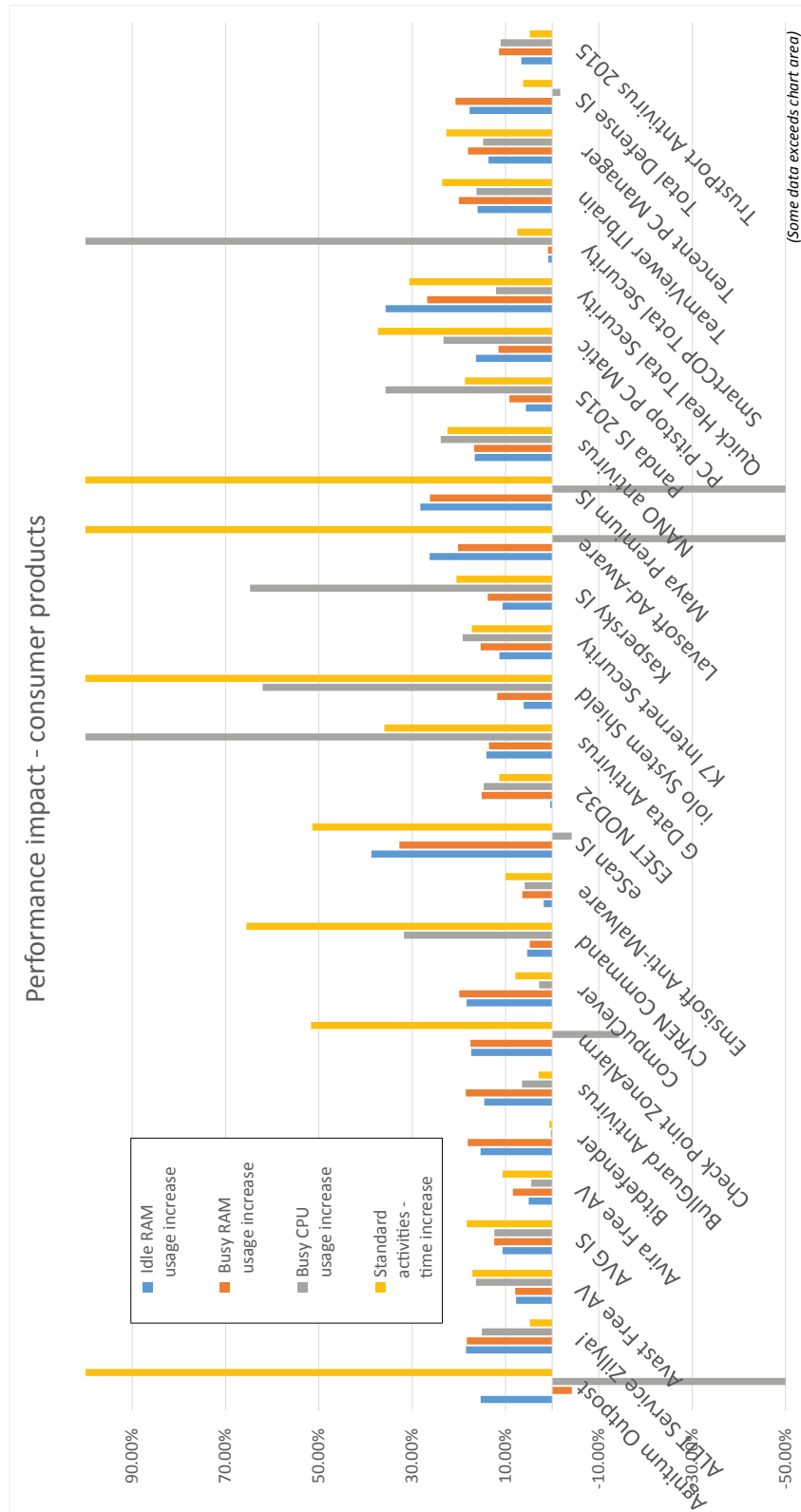
Product information – consumer products	Install time (m)*	Reboot required	Fully 64-bit	Third-party engine technology †	Stability score	Stability rating
Agnitum Outpost Security Suite Pro	6:30	√	√	Agnitum	0	Solid
ALLIT Service Zillya! Internet Security	4:45	√	X		7	<i>Fair</i>
Avast Free Antivirus	4:15	√	√		2	<i>Stable</i>
AVG Internet Security	6:30	X	X		2.5	<i>Stable</i>
Avira Free Antivirus	3:00	X	X		5	<i>Fair</i>
Bitdefender Antivirus Plus 2015	4:30	X	√		0	Solid
BullGuard Antivirus	8:15	√	X	Bitdefender	0	Solid
Check Point ZoneAlarm Extreme Security	5:45	X	X	Kaspersky	0	Solid
CompuClever Antivirus Plus	6:45	X	√	Bitdefender	0	Solid
CYREN Command Anti-Malware	2:00	X	√		0	Solid
Emsisoft Anti-Malware	7:45	√	X	Bitdefender	5.5	<i>Fair</i>
eScan Internet Security Suite for Windows	8:30	X	X	Bitdefender	5.5	<i>Fair</i>
ESET NOD32 Antivirus	5:15	X	X		0	Solid
G Data Antivirus	5:30	√	X	Bitdefender	2	<i>Stable</i>
iolo System Shield AntiVirus & AntiSpyware	3:45	√	X	CYREN	2	<i>Stable</i>
K7 Internet Security	2:00	X	X	K7	0	Solid
Kaspersky Internet Security	12:00	X	X		2.5	<i>Stable</i>
Lavasoft Ad-Aware Free Antivirus +	16:45	√	X	Bitdefender	7.5	<i>Fair</i>
Maya Premium Internet Security	3:00	X	X		17.5	<i>Buggy</i>
NANO antivirus	6:00	X	X		2.5	<i>Stable</i>
Panda Internet Security 2015	2:15	X	X		2	<i>Stable</i>
PC Pitstop PC Matic Home Security	3:45	X	X	Threat Track	5	<i>Fair</i>
Quick Heal Total Security	20:30	X	√		3.5	<i>Stable</i>
SmartCOP Total Security	5:00	√	√		17	<i>Buggy</i>
TeamViewer ITbrain Anti-Malware	4:30	X	X	Bitdefender	4.5	<i>Stable</i>
Tencent PC Manager	0:30	X	X	Avira	0	Solid
Total Defense Internet Security	10:15	√	X	Bitdefender	3.5	<i>Stable</i>
TrustPort Antivirus 2015 (consumer)	8:00	√	X	Bitdefender	1	<i>Stable</i>





















0 = Solid 0.1 – 4.9 = Stable 5 – 14.9 = Fair 15 – 29.9 = Buggy 30+ = Flaky

* Install time includes initial updates and time to enable on-access protection (assuming reasonable typing speed and familiarity with product operation)

† Only records presence of third-party scanning engines, most products will include additional in-house technologies

Performance measures – consumer products	Idle RAM usage increase	Busy RAM usage increase	Busy CPU usage increase	Standard activities - time increase
Agnitum Outpost Security Suite Pro	15.33%	-4.21%	-68.83%	499.43%
ALLIT Service Zillya! Internet Security	18.48%	18.29%	15.06%	4.77%
Avast Free Antivirus	7.74%	7.93%	16.35%	17.10%
AVG Internet Security	10.64%	12.42%	12.41%	18.30%
Avira Free Antivirus	5.05%	8.43%	4.48%	10.61%
Bitdefender Antivirus Plus 2015	15.36%	18.11%	0.31%	0.61%
BullGuard Antivirus	14.55%	18.53%	6.45%	2.91%
Check Point ZoneAlarm Extreme Security	17.35%	17.53%	-14.32%	51.70%
CompuClever Antivirus Plus	18.34%	19.92%	2.81%	7.90%
CYREN Command Anti-Malware	5.37%	4.79%	31.78%	65.53%
Emsisoft Anti-Malware	1.82%	6.40%	5.91%	10.01%
eScan Internet Security Suite for Windows	38.74%	32.74%	-4.17%	51.39%
ESET NOD32 Antivirus	0.43%	15.12%	14.67%	11.32%
G Data Antivirus	14.12%	13.54%	104.25%	35.97%
iolo System Shield AntiVirus & AntiSpyware	6.11%	11.78%	62.06%	217.81%
K7 Internet Security	11.32%	15.32%	19.18%	17.25%
Kaspersky Internet Security	10.64%	13.82%	64.75%	20.53%
Lavasoft Ad-Aware Free Antivirus +	26.25%	20.19%	-89.12%	2241.07%
Maya Premium Internet Security	28.25%	26.20%	-62.43%	328.78%
NANO antivirus	16.59%	16.71%	23.88%	22.44%
Panda Internet Security 2015	5.63%	9.16%	35.73%	18.69%
PC Pitstop PC Matic Home Security	16.36%	11.51%	23.30%	37.35%
Quick Heal Total Security	35.69%	26.80%	12.04%	30.60%
SmartCOP Total Security	0.83%	0.93%	128.18%	7.48%
TeamViewer ITbrain Anti-Malware	16.00%	20.00%	16.23%	23.60%
Tencent PC Manager	13.67%	18.04%	14.79%	22.68%
Total Defense Internet Security	17.71%	20.71%	-1.71%	6.24%
TrustPort Antivirus 2015 (consumer)	6.62%	11.39%	11.04%	4.79%



Reactive and Proactive (RAP) tests	VB100	Reactive		Proactive		Reactive average	Proactive average	Weighted average [‡]
		Set -2*	Set -1*	Set +1 [†]	Set +2 [‡]			
Agnitum Outpost Security Suite Pro		74.9%	66.8%	57.1%	53.0%	70.8%	55.1%	65.6%
ALLIT Service Zillya! Internet Security	X	51.3%	46.0%	48.0%	43.4%	48.7%	45.7%	47.7%
Avast Free Antivirus		93.6%	91.6%	74.3%	71.8%	92.6%	73.0%	86.1%
AVG Internet Security		88.4%	93.5%	68.2%	66.8%	91.0%	67.5%	83.1%
Avira Free Antivirus		93.7%	94.1%	74.4%	72.4%	93.9%	73.4%	87.1%
Bitdefender Antivirus Plus 2015		93.5%	91.2%	72.7%	70.4%	92.4%	71.6%	85.4%
BullGuard Antivirus		90.1%	89.2%	74.4%	70.7%	89.6%	72.6%	84.0%
Check Point ZoneAlarm Extreme Security		79.6%	80.3%	64.9%	61.5%	79.9%	63.2%	74.3%
CompuClever Antivirus Plus		90.8%	90.3%	74.4%	70.7%	90.5%	72.6%	84.6%
CYREN Command Anti-Malware	X	94.6%	92.3%	64.9%	61.6%	93.5%	63.2%	83.4%
Emsisoft Anti-Malware		90.7%	92.1%	74.5%	70.7%	91.4%	72.6%	85.1%
eScan Internet Security Suite for Windows		88.2%	89.7%	74.1%	70.5%	88.9%	72.3%	83.4%
ESET NOD32 Antivirus		79.3%	86.9%	70.5%	66.6%	83.1%	68.5%	78.3%
G Data Antivirus		91.1%	91.9%	73.9%	72.3%	91.5%	73.1%	85.4%
iolo System Shield AntiVirus & AntiSpyware	X	48.6%	50.6%	53.7%	50.8%	49.6%	52.3%	50.5%
K7 Internet Security		83.3%	84.8%	58.8%	58.5%	84.1%	58.7%	75.6%
Lavasoft Ad-Aware Free Antivirus +		90.0%	91.1%	74.4%	70.7%	90.5%	72.5%	84.5%
Maya Premium Internet Security	X	36.5%	30.0%	45.5%	43.6%	33.2%	44.5%	37.0%
NANO antivirus	X	87.7%	84.5%	63.0%	64.0%	86.1%	63.5%	78.5%
Panda Internet Security 2015		78.0%	79.0%	N/A	N/A	78.5%	N/A	N/A
PC Pitstop PC Matic Home Security	X	95.8%	95.7%	86.5%	85.7%	95.7%	86.1%	92.5%
Quick Heal Total Security		86.9%	89.1%	68.5%	61.1%	88.0%	64.8%	80.2%
SmartCOP Total Security	X	23.3%	18.6%	36.9%	29.9%	21.0%	33.4%	25.1%
TeamViewer ITbrain Anti-Malware		89.0%	90.8%	N/A	N/A	89.9%	N/A	N/A
Tencent PC Manager		82.6%	82.1%	74.7%	73.0%	82.4%	73.8%	79.5%
Total Defense Internet Security		88.6%	91.7%	74.2%	70.4%	90.2%	72.3%	84.2%
TrustPort Antivirus 2015 (consumer)		93.6%	93.6%	78.4%	75.0%	93.6%	76.7%	88.0%

*Set -1 = Samples discovered 1 to 5 days before testing; Set -2 = Samples discovered 6 to 10 days before testing.

†Set +1 = Samples discovered 1 to 5 days after updates frozen; Set +2 = Samples discovered 6 to 10 days after updates frozen.

‡Weighted average gives equal emphasis to the two reactive weeks and the whole proactive part.

