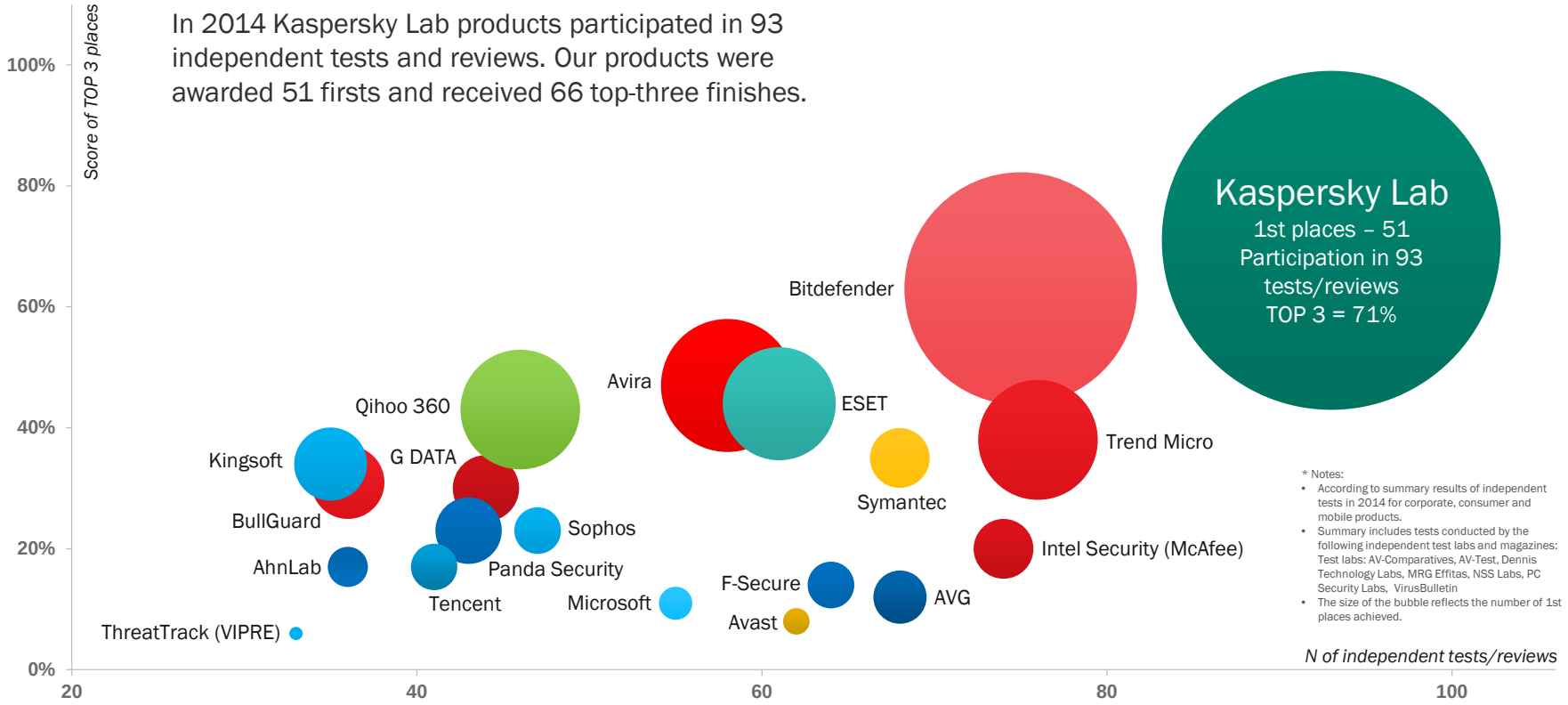
KASPERSKY LAB PROVIDES BEST IN THE INDUSTRY PROTECTION*

In 2014 Kaspersky Lab products participated in 93 independent tests and reviews. Our products were awarded 51 firsts and received 66 top-three finishes.



* Notes:
- According to summary results of independent tests in 2014 for corporate, consumer and mobile products.
- Summary includes tests conducted by the following independent test labs and magazines: Test labs: AV-Comparatives, AV-Test, Dennis Technology Labs, MRG Effitas, NSS Labs, PC Security Labs, VirusBulletin
- The size of the bubble reflects the number of 1st places achieved.

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2014 TOP3 METRIC DESCRIPTION

TOP3 metric reflects the percentage of times when a vendor gained one of top-three places in independent tests within reported period (calendar year).

A list of AV vendors participating in TOP3 measurements, includes (but not limited to): Avast, AVG, Avira, BitDefender, BullGuard, ESET, F-Secure, G DATA, Kaspersky Lab, Intel Security (McAfee), Microsoft, Panda Security, Sophos, Symantec, Trend Micro, etc. Check the full list of vendors.

Only those who participate in 35% of tests or more have their results represented in the chart to reflect equal opportunities in calculation. Participation in any test affects two counters for each vendor: TOP3 and Participation.

1. TOP3 counter for a vendor is incremented each time, once the vendor gains any of the first three places or an award in a test. No other places let the counter to be increased. In case several vendors share the same place in a test, the next vendor's place is calculated as "amount of previous vendors + 1".For instance, the following sequence can exist: 1,2,2,4, while 1,2,2,3 can't. It means that in the sequence "1,2,2,4" only three first vendors get their TOP3 counters incremented. There is an exception for tests with medals as a final result. In this case several vendors can receive 'Platinum','Gold', 'Silver', etc. And three first medals will increment the vendor's Participation counter in TOP3. Each product of a vendor can increment its TOP3 counter on other products independently.

2. Each time a product of a vendor participates in a test/review/overview (with no regard to the final result), the vendor's Participation counter is incremented (and then compared with total amount of different tests).

The final result (TOP3 characteristic) is counted as TOP3 counter divided by Participation counter to measure in percent.

	N of tests entered	N of TOP3 places	Score of TOP3 places (%)	N of 1st places
Kaspersky Lab	93	**66**	71%	**51**
Bitdefender	75	**47**	63%	**35**
Trend Micro	76	**29**	38%	**18**
Avira	58	**27**	47%	**20**
ESET	61	**27**	44%	**17**
Symantec	68	**24**	35%	**9**
Qihoo 360	46	**20**	43%	**18**
Intel Security (McAfee)	74	**15**	20%	**9**
G DATA	44	**13**	30%	**10**
Kingsoft	35	**12**	34%	**11**
Sophos	47	**11**	23%	**7**
BullGuard	36	**11**	31%	**11**
Panda Security	43	**10**	23%	**10**
F-Secure	64	**9**	14%	**7**
AVG	68	**8**	12%	**8**
Tencent	41	**7**	17%	**7**
Microsoft	55	**6**	11%	**5**
AhnLab	36	**6**	17%	**6**
Avast	62	**5**	8%	**4**
ThreatTrack (VIPRE)	33	**2**	6%	**2**

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2014 TOP3 METRIC DESCRIPTION

The following tests are taken into consideration (by the end of 2014):

ANTI-MALWARE

- **Parental Control test**
  The test evaluates efficiency of an antivirus filter to prevent children from visiting unwanted sites. Each product receives points within the categories and, due to its final score, gets an award of 'Platinum', 'Gold', 'Silver', 'Bronze'. Also it can be disqualified basing on the total performance. The vendors with 'Platinum', 'Gold', 'Silver' get their TOP3 counters incremented.

AV-COMPARATIVES

- **Product of the Year**
  The award is given to the outstanding vendor as a result of a whole year testing cycle, which contains the following tests: File Detection Rate (FDT) + Whole Product Dynamic Test (WPDT) + Proactive test + Malware Removal test + Anti-Phishing test + Parental Control test. Due to the tester's rule, in case of two vendors receive the same maximum score, the award goes to the tester who did not receive it the previous year. Only the awarded vendor gets its TOP3 counters incremented.

- **File Detection Test**
  The test consists of two parts: Detection Rate test and False Positives one. As a test result, products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". Only products with "Advanced+" , gain increment of TOP3 counters for a particular vendor. In addition all results are ranked by Detection Rate, and , products of the highest three places basing on Disinfection Rate, gain increment of TOP3 counters for correspondent vendors.

- **WPDT (Whole Product Dynamic "Real-World" Protection Test)**
  The test lasts 4 months using mainly current, visible, and relevant malicious websites/malware. All product components contribute a significant role in protection, so the results allow to estimate the overall efficiency of Anti-malware products in Real World scenarios.

- Only products with "Advanced+" gain increment of TOP3 counters for a particular vendor. In addition all results are ranked by Protection Rate, and three products with the highest results gain TOP3 counter increment for a correspondent vendor as well.

- **Retrospective/Proactive Test**
  The retrospective tests evaluate products against new malware and unknown one to measure proactive detection capabilities (e.g. through heuristics, generic signatures, etc.). This test also takes into consideration a false positive rate. Starting from 2012, the remaining malware files are also being executed, so that the proactive protection provided by e.g. behavior blockers are evaluated. The TOP3 counter is incremented for a particular vendor when it gets Award "Advanced+".

- **Mobile Security Review**
  The review includes malware protection test as well as the overview of additional features (theft protection, battery consumption, etc.). Products of the highest three places basing on Protection Rate, gain increment of TOP3 counters for correspondent vendors.

- **Mac Security Test & Review**
  The review evaluates various Mac protection products against product feature list , and measures protection level in categories such as detection rate on separate Mac- & Windows-related malware sets and False Positive level. Products of the highest three places basing on Protection Rate, gain increment of TOP3 counters for correspondent vendors.

- **Malware Removal Test**
  The 8 month long test focuses on malware removal/cleaning capabilities of security products, so samples selection process considers that the sample should be detected statically . The main question before the test is whether the products are able to disinfect system successfully i.e. to remove malware and its leftovers from already infected/compromised system.

- Only products with "Advanced+" gain increment of TOP3 counters for a particular vendor. In addition, products of the highest three places basing on Disinfection Rate, gain increment of TOP3 counters for correspondent vendors.

- **Parental Control test**
  The test evaluates efficiency of security products to prevent children from visiting unwanted web sites. Each product receives points within the categories, and due to its overall score, products of the highest three places get their TOP3 counters incremented.

- **Small Business Products Review**
  The test evalustes protection of different Small Business anti-virus programs. The products demonstrated high overall standard in the products review receive the award and gain increment of TOP3 counters for correspondent vendors.

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2014 TOP3 METRIC DESCRIPTION

AV-TEST

- **Bi-Monthly Certification Consumer and Business.**
  The year-long certification series consists of Consumer and Business segments. Each of them is divided into 6 separate tests (2 months each). All participating products are evaluated and receive points in Protection, Performance and Usability categories. Sum of the points makes an overall score. Basing on the overall score, products of top three places get their TOP3 counters incremented.

- **Best Protection Award Consumer and Business**
  The award is given for perfect results in protection category during the entire year in Bi-monthly certification, separately for Consumer and Business related products. Only products which get this award, gain TOP3 counter increment for correspondent vendors.

- **Best Performance Award Consumer and Business**
  The award is given for perfect results in performance category during the entire year in Bi-monthly certification, separately for Consumer and Business related products. Only products which get this award, gain TOP3 counter increment for correspondent vendors.

- **Best Usability Award Consumer and Business**
  The award is given for perfect results in Usability category during the entire year in Bi-monthly certification, separately for Consumer and Business related products. Only products which get this award, gain TOP3 counter increment for correspondent vendors.

- **Best Repair Award**
  The award is given for perfect results in repair category during the entire year in Bi-monthly certification, separately for Consumer and Business related products. Only products which get this award, gain TOP3 counter increment for correspondent vendors.

- **Endurance Test Consumer\Corporate**
  The 6-month test represents accumulated protection results which were received during the 3 tests cycle and announced by the tester for participated consumer\corporate products separately.
  Sum of the points makes an overall score. Basing on the overall score, products of top three places get their TOP3 counters incremented.

- **Android Mobile Security Products Test**
  The year-long certification ceria is divided into 6 separate tests (2 months each). All participating products are evaluated and receive points in categories Protection, Usability and Features. Sum of the points makes an overall score. Basing on the overall score, products of top three places get their TOP3 counters incremented.

- **Best Android Security Product**
  The award is given for perfect results in Android security testing during the whole year. Only products which get this award, gain TOP3 counter increment for correspondent vendors.

- **Endurance Test Android H1 &H2**
  The 6-month reports represent accumulated protection results for participating products.
  Sum of the points makes an overall score. Basing on the overall score, products of top three places get their TOP3 counters incremented.

- **Exploit Protection on Windows XP**
  The commissioned by a vendor test of popular consumer products measures protection capabilities against exploits targeting vulnerabilities on Windows XP. Products of the highest three places basing on overall results, gain increment of TOP3 counters for correspondent vendors.

- **Virtual Desktops Security Test**
  The commissioned by Kaspersky Lab private comparative test of security solutions for virtual environments analyzes their capabilities to protect against a real world and prevalent malware as well as the performance impact in virtual desktop infrastructure (VDI) environments. Three vendors with the highest scores get their TOP3 counters incremented.

- **Mac Security Products test**
  The test evaluates various Security protection products for Mac OSX. Products of the highest three places basing on Detection Rate, gain increment of TOP3 counters for correspondent vendors.TOP3 counters for correspondent vendors.

DENNIS TECHNOLOGY LABS

- **Enterprise Anti-Virus Protection Test**

- **Home Anti-Virus Protection Test**

- **Small Business Anti-Virus Protection Test**
  These reports aim to compare the effectiveness of anti-malware products provided by well-known security companies. The products were exposed to internet threats that were live during the test period. This exposure was carried out in a realistic way, reflecting a customer's experience closely. These results reflect what could happen if a user used one of the products and visited an infected website. The tests include a detection subtest and a false positive one. Three products with the highest Accuracy scores (they are calculated as a combination of points of the two subsets) gain increment of TOP3 counters for correspondent vendors.

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2014 TOP3 METRIC DESCRIPTION

MRG EFFITAS

- **Online Banking/Browser Security certification**
  The test assesses the efficiency of products against financial malware by implementing different test methodics and scenarios: in The Wild real financial malware sets, in botnet environments and on simulators of different sensitive data interception techniques. Only products which successfully passed all the steps, receive certification, and gain TOP3 counter increment for correspondent vendors.

- **360 Assessment & Certification**
  The test both evaluates ability of security products to block initial infection, and measures time taken to detect malware on a compromised system and remediate the last one. The test is a successor of “Time to Detect & Remediate Assessment” test. Only products which got certified gain increment of TOP3 counters for correspondent vendors.

- **Real World Enterprise Security Exploit Prevention Test**
  The commissioned by Kaspersky Lab test evaluates the ability of products to prevent drive-by exploitation. Endpoint instances with KES of full functionality, KES with AEP-only functionality and other five vendor’s products were tried by 110 test-cases. Products with three highest results in Detection Rate gain increment of TOP3 counters for correspondent vendors

- **Time to Detect & Remediate Assessment**
  Being the predecessor of “360 Assessment & Certification”, the test evaluates the ability of security products to prevent an endpoint from being infected by live, ITW malware. In case infection happened, time the products take to detect the infection and remediate the system was measured during twenty four hours. Products with three highest results in Detection Rate gain increment of TOP3 counters for correspondent vendors.

NSS LABS

- **Consumer Endpoint Protection test**
  The test evaluates Endpoint security products for their ability to block socially engineered malware attacks. Products of the highest three places basing on Block Rate, gain increment of TOP3 counters for correspondent vendors. Additionally, separate award “Recommended” for KIS also incremented TOP3 counter for Kaspersky Lab.

PCSL (PC SECURITY LABS)

- **Mobile Security Product Test for Android**
  The test evaluates Detection Rate and False Positives of mobile products. The final score defines place of each product participated. Only vendors with the top three results get their TOP3 counters incremented. Products of the top three Ranks, gain increment of TOP3 counters for correspondent vendors.

- **Product of the year Android**
  The award is given for perfect results in Android security testing during the whole year. Only products which get this award, gain TOP3 counter increment for correspondent vendors.

- **Exploit Mitigations Test**
  The commissioned by a vendor test evaluates efficiency of exploit blocking capabilities for participating security products. Products of the highest three places basing on Exploit Protection, gain increment of TOP3 counters for correspondent vendors.

VIRUSBULLETIN

- **VB100 Comparative Review and Certification**
  The tests are held every 2 months, each time basing on distinct operation system and evaluating different types of products. Each product that passes successfully the certification gains increment of TOP3 counter for the correspondent vendor.

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THE FULL LIST OF AV VENDORS THAT PARTICIPATE IN TOP3 MEASUREMENTS

- Aegislab
- Agnitum
- AhnLab
- Alibaba
- Anguanjia
- Antiy Labs
- Arcabit
- Ariasecure
- Avast
- Avetix
- AVG
- Avira
- Baidu
- Bitdefender
- Bluepex
- Bornaria
- BullGuard
- Check Point
- Cheetah Mobile
- Commtouch
- Comodo
- ContentKeeper
- Cranes
- Cyren
- Defenx
- Dr.Web
- DU Apps Studio
- Emsisoft
- Entensys
- eScan
- ESET
- ESTsoft
- Faronics
- Fortinet
- F-Secure
- G DATA
- G-Protector
- Hauri
- Heise
- HitmanPro
- Ikarus
- Inca
- Intego
- Iolo
- iSheriff
- Jarviz
- K7
- Kaspersky Lab
- Kingsoft
- Kromtech
- KSMobile
- Kyrol
- Lavasoft
- Lenovo
- Malwarebytes
- Maya
- Intel Security (McAfee)
- Microsoft
- Microworld
- MSecure Data Labs
- NetQin
- Norman ASA
- NQ
- NSHC
- Optenet
- Panda Security
- PC Pitstop
- PSafe
- Qihoo 360
- Quarri
- Quick Heal
- Roboscan
- SecureAlive
- Skydns
- SoftSphere Technologies
- Sophos
- SourceFire
- SPAMfighter
- SUPERAntiSpyware
- Symantec
- Tencent
- Total Defense
- Trend Micro
- TrustGo
- Trustlook
- TrustPort
- ULIS
- ThreatTrack (VIPRE)
- Visual Threat
- Webroot
- White Gate
- Wifi protector
- wontok
- Zemana
- ZeoBIT LLC
- Zoner

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