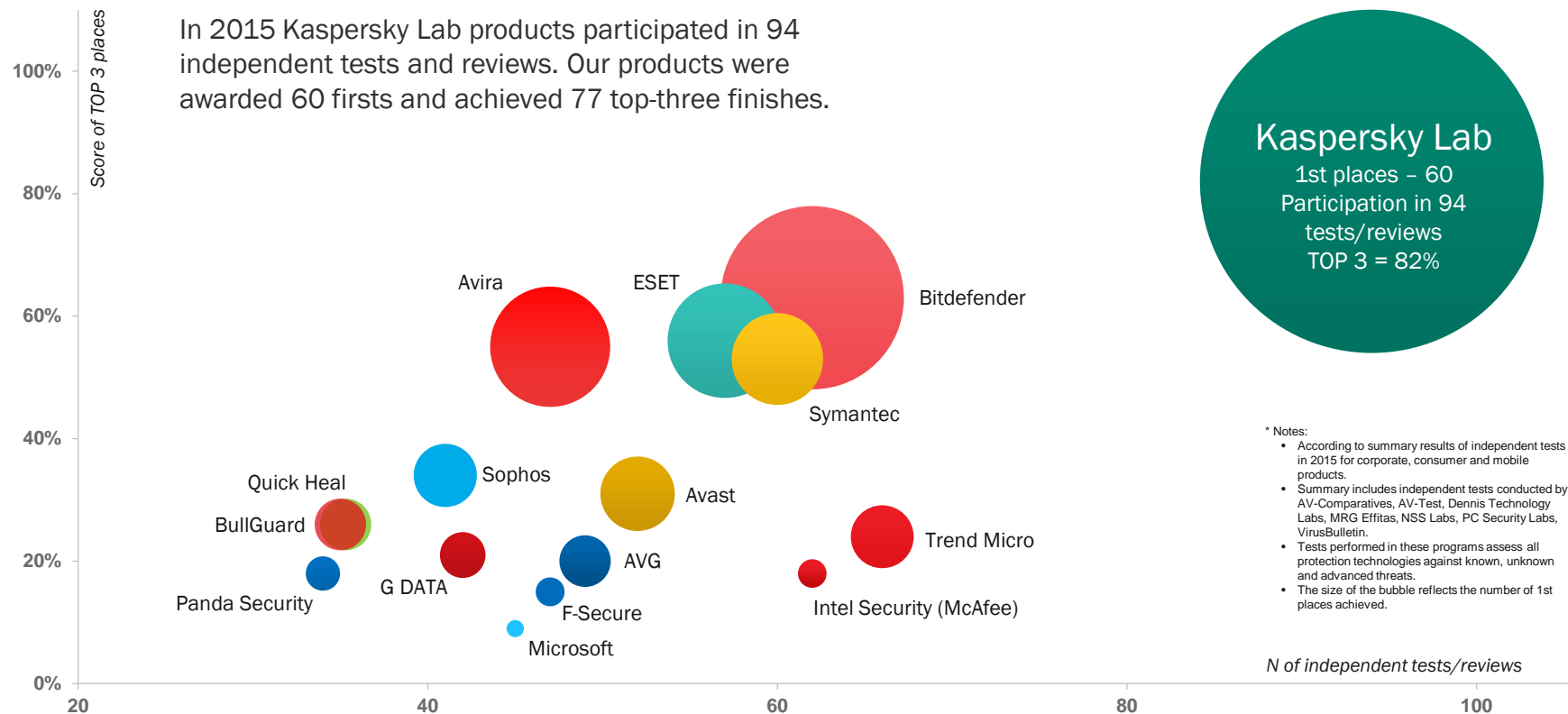


# MOST TESTED. MOST AWARDED. KASPERSKY LAB PROTECTION.\*



## Kaspersky Lab

1st places – 60  
Participation in 94  
tests/reviews  
TOP 3 = 82%

### \* Notes:

- According to summary results of independent tests in 2015 for corporate, consumer and mobile products.
- Summary includes independent tests conducted by : AV-Comparatives, AV-Test, Dennis Technology Labs, MRG Effitas, NSS Labs, PC Security Labs, VirusBulletin.
- Tests performed in these programs assess all protection technologies against known, unknown and advanced threats.
- The size of the bubble reflects the number of 1st places achieved.

*N of independent tests/reviews*

# 2015 TOP3 METRIC DESCRIPTION

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

Among the security vendors participating in the TOP3 measurements are: Avast, AVG, Avira, Bitdefender, BullGuard, ESET, F-Secure, G DATA, Intel Security (McAfee), Kaspersky Lab, Microsoft, Panda, Sophos, Symantec, Trend Micro and Quick Heal. A complete list of participating vendors appears at the end of this document.

Only those who participate in 35% or more of the tests have their results represented in the chart.

Participation in any test affects two counters for each vendor: TOP3 and Participation.

1. Every time a vendor ranks in the first three places or wins an award in a test, a TOP3 counter is awarded incrementally. Counters are not increased for placing outside the top three. In cases where several vendors share the same place in a test, the next vendor's place is calculated as "number of higher ranked vendors + 1". For instance, 1,2,2,4 is possible, but 1,2,2,3 is not. It means that in the sequence "1,2,2,4" only the three first vendors get their TOP3 counters incremented. There is an exception for tests with 'levels' as a final result. In this case, several vendors can receive 'Level 1', 'Level 2', etc, with the three first levels incrementing the vendor's Participation counter in the TOP3. Individual products can independently and separately increment a vendor's TOP3 counter.
2. A vendor's Participation counter is incremented each time one of its products participates in a test/review/overview (regardless of the final result).

The final result (TOP3 score) is calculated by dividing the number of TOP3 counters by the number of vendor's participation counters to give an overall percentage placement.

The database for submitting scores attained in 2015 was February 1st 2016, with no option to add any test/review after this date.

	N of tests entered	N of TOP3 places	Score of TOP3 places (%)	N of 1 <sup>st</sup> places
<b>Kaspersky Lab</b>	94	77	82%	60
<b>Bitdefender</b>	62	39	63%	32
<b>ESET</b>	57	32	56%	20
<b>Symantec</b>	60	32	53%	16
<b>Avira</b>	47	26	55%	21
<b>Avast</b>	52	16	31%	13
<b>Trend Micro</b>	66	16	24%	11
<b>Sophos</b>	41	14	34%	11
<b>Intel Security (McAfee)</b>	62	11	18%	5
<b>AVG</b>	49	10	20%	9
<b>G DATA</b>	42	9	21%	8
<b>Quick Heal</b>	35	9	26%	9
<b>BullGuard</b>	35	9	26%	9
<b>F-Secure</b>	47	7	15%	5
<b>Panda Security</b>	34	6	18%	6
<b>Microsoft</b>	45	4	9%	3

# 2015 TOP3 METRIC DESCRIPTION

The following tests were performed in 2015 and used to calculate the metric:

## AV-COMPARATIVES

### ▶ Product of the Year

This award is given to the outstanding vendor following an entire year's testing cycle, involving the following tests: Online File Detection Test (FDT) + Whole Product Dynamic Test (WPDT) + Proactive / Retrospective Test + Malware Removal Test + Performance Test. According to AV-Comparatives' rules, in cases where two vendors receive the same maximum score, the award goes to the vendor which did not receive it the previous year. The seal is counted as a first place in the TOP3 metric.

The second-placed vendor, along with those who achieve at least 90 points across the entire test cycle are awarded the 'Top Rated' seal, which counts as a second place in the TOP3 metric. Vendors that fail to score any points in at least one of the tests are excluded.

At the end of the year, medals ('Gold', 'Silver', 'Bronze') are given for the best results in specific tests: FDT, WPDT, Performance, Proactive Protection, Malware Removal. As these results have already contributed to overall TOP3 Metrics, the medals themselves do not count towards it.

Since 2015, only awards can contribute towards TOP3 counters in AV-Comparatives tests.

### ▶ Online File Detection Test

The test consists of two parts: Detection Rate and False Positives. Products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested".

Only products with "Advanced+" gain an increment of TOP3 counters for a vendor.

### ▶ WPDT (Whole Product Dynamic "Real-World" Protection Test)

The test lasts for four months using mainly current, visible and relevant malicious websites/malware. Because all product components contribute a significant role in overall protection, results achieved in this category are a good indicator of anti-malware product efficiency in real-world scenarios.

Products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". Only products with "Advanced+" gain an increment of TOP3 counters for a vendor.

### ▶ Retrospective/Proactive Test

Retrospective tests evaluate products against new and unknown malware to measure proactive detection capabilities (e.g. through heuristics, generic signatures, etc.). This test also takes false positive rates into consideration. Since 2012, malware files that evade initial detection are allowed to execute, in order to assess the quality of proactive protection offered, e.g. behavior blockers are evaluated.

Products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". The TOP3 counter is incremented only for the "Advanced+" award.

### ▶ Anti-Phishing Test

This test simulates a common situation: users relying on the anti-phishing protection provided by their security products while browsing the web.

The best-performing products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". The TOP3 counter is incremented for a particular vendor when it receives the "Advanced+" award.

### ▶ Mobile Security Test & Review

This review includes a malware protection test along with an overview of additional features (theft protection, battery consumption, etc.).

Products achieving the highest three places, based on Protection Rate and False Positives, gain an increment of TOP3 counters for their vendors.

### ▶ Mac Security Test & Review

This review evaluates various Mac protection products against a product feature list and measures protection levels in categories such as Detection Rate on separate Mac- & Windows-related malware sets and False Positive level.

Products placing in the highest three positions based on Protection Rate gain an increment of TOP3 counters for their corresponding vendors.

### ▶ Malware Removal Test

This eight-month-long test focuses on the malware removal/cleaning capabilities of security products, assessing their ability to disinfect a system successfully i.e. to remove malware and its leftovers from an already infected/compromised system.

Products receive the following awards: "Advanced+", "Advanced", "Standard" or "Tested". Only products with "Advanced+" gain an increment of TOP3 counters for a particular vendor.

### ▶ Parental Control Test

This test evaluates the efficiency of security products in preventing children from visiting unwanted web sites.

Only products which were certified gain an increment of TOP3 counters for corresponding vendors.

# 2015 TOP3 METRIC DESCRIPTION

## AV-TEST

### ▶ Best Protection Award Consumer and Business

This award is given for perfect results in the Protection category over the course of an entire year, during which bi-monthly certification takes place. Consumer and business products are assessed separately.

Only products that receive this award gain a TOP3 counter increment for their vendor.

### ▶ Best Performance Award Consumer and Business

This award is given for perfect results in the Performance category over the course of an entire year, during which bi-monthly certification takes place. Consumer and business products are assessed separately.

Only products that receive this award gain a TOP3 counter increment for their vendor.

### ▶ Best Usability Award Consumer and Business

This award is given for perfect results in the Usability category over the course of an entire year, during which bi-monthly certification takes place. Consumer and business products are assessed separately.

Only products that receive this award gain a TOP3 counter increment for their vendor.

### ▶ Best Repair Award

This award is given for perfect results in the Repair category over the course of an entire year. It is awarded separately to integrated and dedicated consumer products.

Only products that receive this award gain a TOP3 counter increment for their vendor.

### ▶ Best Android Security and Protection Product

This award is given for perfect results in the Android security testing over the course of a whole year.

Only products that receive this award gain a TOP3 counter increment for the corresponding vendor.

### ▶ Bi-Monthly Certification Consumer and Business

This year-long certification series consists of Consumer and Business segments, each divided into 6 separate, two-month-long certifications. All participating products are evaluated and receive points in Protection, Performance and Usability categories. The sum of the points gained in each category makes the overall score; products placing in the top three have their TOP3 counters incremented.

### ▶ Android Mobile Security Products Test

This year-long certification series is divided into six separate, month-long tests. All participating products are evaluated and receive points in the categories of Protection, Usability (combined results in Performance & False Positives) and Features.

The sum of the points gained in each category makes the overall score; products placing in the top three have their TOP3 counters incremented.

### ▶ Parental Control Test for Android & Windows

These tests evaluate the efficiency of security products in preventing children from visiting unwanted web sites.

Only products that were certified gain an increment of TOP3 counters for their corresponding vendors.

### ▶ Linux Test

This test examines the effectiveness of tested solutions for Linux systems against both Linux and Windows threats. Based on Detection Rate, products that achieve the highest three places gain an increment of TOP3 counters for their vendors.

### ▶ Mac Detection & Performance test

This test evaluates various security protection products for Mac OSX.

Based on Detection Rate, products that achieve the highest three places gain an increment of TOP3 counters for their vendors.

## DENNIS TECHNOLOGY LABS

### ▶ Enterprise Anti-Virus Protection Test

### ▶ Home Anti-Virus Protection Test

### ▶ Small Business Anti-Virus Protection Test

These quarter-long tests 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, closely reflecting customer experience. The results reflect how products perform under real-life, customer-use-case scenarios, i.e. what happens when a user visits an infected website. The tests include a detection subtest and a false positive one.

The three products with the highest Accuracy scores (calculated as a combination of points of the two subsets) gain an increment of TOP3 counters for corresponding vendors.

# 2015 TOP3 METRIC DESCRIPTION

## MRG EFFITAS

### ► Online Banking / Browser Security certification

This test assesses the efficiency of products against financial malware by implementing different test methodologies and scenarios: 'In-the-Wild' real financial malware sets, botnet environments and simulations of different sensitive data interception techniques.

Only products that successfully pass each of these steps receive the certification and gain a TOP3 counter increment for their vendors.

### ► 360 Assessment & Certification

This test evaluates both the ability to block initial infection and time taken to detect and remediate malware on a compromised system.

This test replaces the older "Time to Detect & Remediate Assessment" Test.

Only products that receive certification gain an increment of TOP3 counters for their vendors.

### ► Real World Enterprise Security Exploit Prevention Test

Commissioned by Kaspersky Lab, this test evaluates the ability of products to prevent drive-by exploits. Endpoints using the full functionality of Kaspersky Enterprise Security, endpoints using only the Automatic Exploit Prevention (AEP) technology component of Kaspersky Enterprise Security and seven other security products were assessed in 300 'In-the-Wild' test cases. Products with the three highest scores in Detection Rate gain an increment of TOP3 counters for their vendors.

### ► Real World Exploit Prevention Test

This vendor-commissioned test evaluates the ability of products to prevent drive-by exploits.

The products with the three highest scores in Detection Rate gain an increment of TOP3 counters for their vendors.

### ► In-The-Wild Rootkit Remediation Comparative Analysis

This vendor-commissioned test evaluates the ability of products to detect and remediate rootkits on infected systems.

Products with the highest Remediation Scores (calculated according to their ability to remediate the system) gain an increment of TOP3 counters for their corresponding vendors.

## NSS LABS

### ► Enterprise Endpoint Comparative test

This test evaluates endpoint security products for their ability to protect against drive-by exploits and block socially engineered malware attacks.

Products with the highest three places based on Block Rate gain an increment of TOP3 counters for corresponding vendors.

## PCSL (PC SECURITY LABS)

### ► Mobile Security Product Test for Android

This test evaluates Detection Rates and False Positives for mobile products. The final scores decide the rank of each participating product.

Only the vendors with the top three scores have their TOP3 counters incremented.

### ► Windows Virus Cleaning Test

This test evaluates virus detection and remediation efficiency on a compromised system.

Products with the highest Scores (calculated according to their ability to remediate the system) gain an increment of TOP3 counters for corresponding vendors.

## VIRUSBULLETIN

### ► VB100 Comparative Review and Certification

These tests are held every 2 months\*, based each time on a different operating system and evaluating different types of products.

Each product that passes the certification gains an increment of TOP3 counters for the corresponding vendor.

\* October and December Reviews were not taken into account in the TOP3 metric as they had not been published at the time of the database freeze.

# COMPLETE LIST OF VENDORS THAT PARTICIPATE IN TOP3 MEASUREMENTS

- AegisLab
- Agnitum
- AhnLab
- Alibaba
- Anguanjia
- Antiy Labs
- Apple Inc.
- Arcabit
- Avast
- Avetix
- AVG
- Avira
- Axway
- Baidu
- Bitdefender
- Bluepex
- Bornaria
- BullGuard
- Check Point
- Cisco
- ClamAV
- ClamXav
- Comodo
- CYREN
- CompuClever
- Cylance
- Defenx
- Dr.Web
- DU Apps Studio
- Egedian
- Emsisoft
- eScan
- ESET
- ESTsoft
- FileMedic
- Fortinet
- Frisk
- F-Secure
- G Data
- GFI/Sunbelt
- Hauri
- HitmanPro
- IBM
- Ikarus
- Intego
- Iolo
- iSheriff
- K7
- Kaspersky Lab
- Kiddoware
- Kingsoft
- Kromtech
- KSMobile
- KYROL
- Lavasoft
- Lenovo
- Libra
- Malwarebytes
- Maya
- Intel Security (McAfee)
- Microsoft
- Microworld
- Mobicip
- MSecure Data Labs
- NANO
- Net Nanny
- Netmail
- Norman
- NSHC
- OnlyMyEmail
- Optenet
- Panda Security
- PC Pitstop
- Playcastle
- ProDot
- Psafe
- Qihoo 360
- Quarri
- Quick Heal
- Roboscan
- SafeDNS
- Salfeld
- Scandium Security
- Screen Time Labs
- Scrollout
- SecuraLive
- SentinelOne
- Seqrite
- SmartCOP
- Sophos
- Spamhaus
- SpamTitan
- Symantec
- TeamViewer
- Telekom
- Tencent
- Total Defense
- Trend Micro
- Trustlook
- TrustPort
- UtilTool
- ThreatTrack (VIPRE)
- Vircom
- Webroot
- Wontok
- Zemana
- Zerospam
- Zillya!
- Zoner