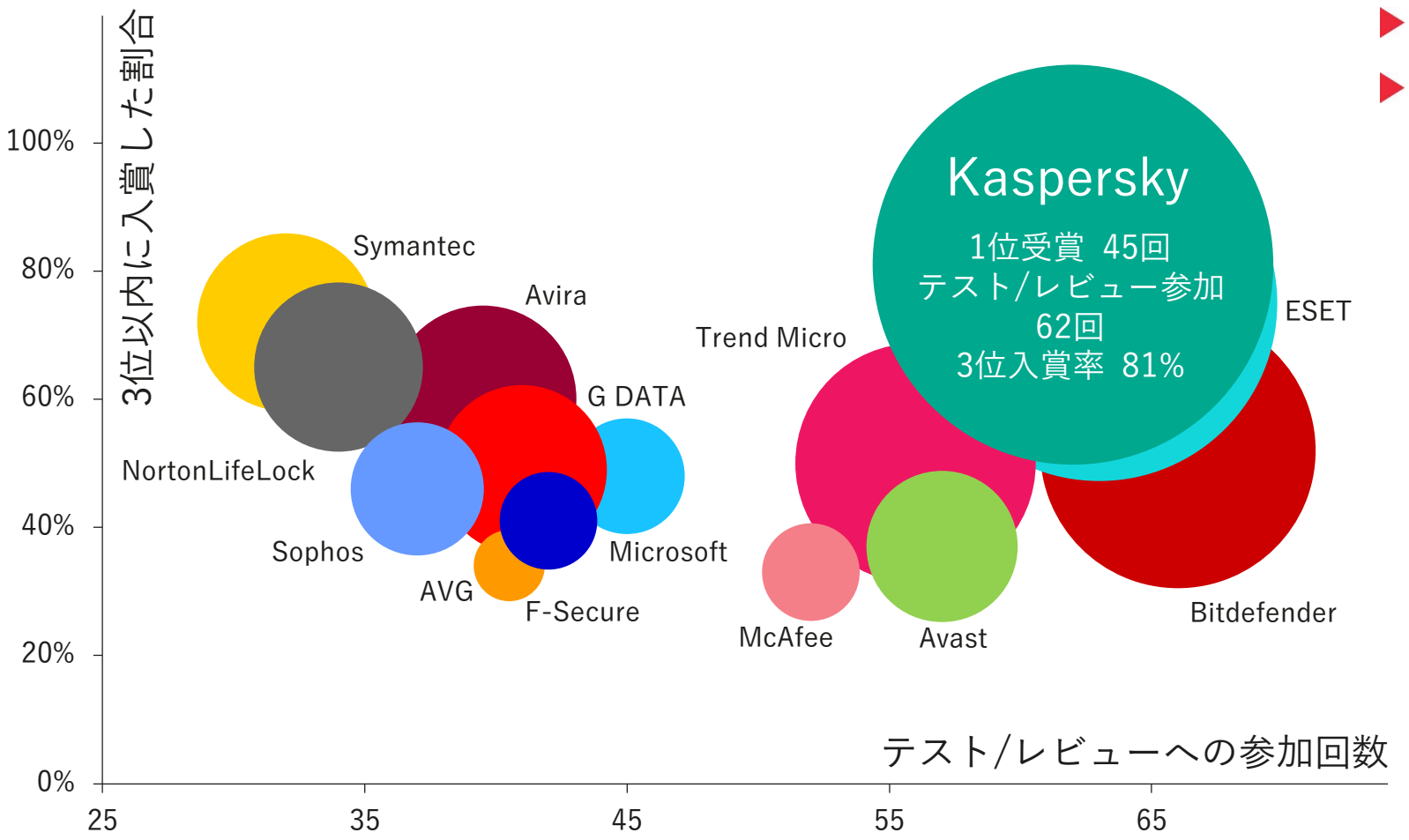
2020年　第三者機関テストでの高い評価



- 62回：テスト/レビューに参加
- 45回（73%）：1位受賞（受賞率）
- 50回（81%）：3位以内に入賞（入賞率）

MOST TESTED*
MOST AWARDED*
KASPERSKY PROTECTION
*kaspersky.com/top3

注）
・2020年に実施された法人、個人、モバイル向け製品の第三者機関テスト結果をKaspersky が独自に集計したものです。
・第三者機関にはAV-Comparatives, AV-Test, SE Labs, ICSA Labs, NSS Labs, MRG Effitas, Virus Bulletinが含まれます。
・各テストは既知および未知の脅威ならびに高度な攻撃に対する防御性能を対象にしています。
・“Most Tested”は、2013～2020年から2019～2020年の任意の期間で確認しています。
・円の大きさは1位受賞の回数を表しています。

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2020年　第三者機関テスト　- TOP3メトリック 集計詳細

TOP3メトリックは、1年間に実施された第三者機関によるテスト結果をKasperskyが独自に集計したものです。

主な指標である「TOP3スコア」は、集計期間中にベンダーとその製品が参加した第三者機関によるテストで、1位、2位、または3位を受賞した回数を示す「上位3位への入賞率」です。「上位3位への入賞率」は、ベンダーの「上位3位への入賞数」を当該ベンダーのテストへの「参加回数」で割ってパーセント値に変換する方法で算出します。

「TOP3スコア」（上位3位への入賞率）は、参加ベンダーそれぞれについて計算し比較します。

1. テストによっては参加ベンダーに賞を授与する場合や、検知率と誤検知数のリストのみを提示する場合などがあるため、最終テスト結果は異なることがあります。
   ベンダーの「上位3位への入賞数」は、賞を受賞した場合またはテストで上位3位以内に入った場合に加算されます。
   複数のベンダーが検知率またはサマリー結果で同じ結果を、あるいは同じ評価の賞を受賞している場合があります。この場合、ベンダーは同じテストで同率順位の扱いとなります。
   検知率またはサマリー結果の場合、結果が同率順位より低いベンダーの順位は、「上位のベンダーの数+ 1」として計算されます。たとえば、「1、1、3、4」、「1、2、2、4」、または「1、1、1、1、1、6」では、下線のベンダーのみ上位3位への入賞数が加算されます。「1、1、2、3」の順位付けは不可です。
2. ベンダーの「参加回数」は、そのベンダーの製品の1つがテスト/レビュー/総合評価に参加するごとに加算されます。
   一部のテストでは、同じベンダーから複数の製品が同一テストに参加できる場合があります。その場合、すべての製品でベンダーの参加回数が加算されるため、参加回数がテストの合計数より多くなることがあります。

2020年のスコアは2021年2月3日時点のデータを集計したもので、それ以降のテストやレビューは含んでいません。

テストの合計数の35%以上に参加したベンダーのみをグラフ化しています。

TOP3スコアには、次のセキュリティベンダーの結果が含まれています：Avast, AVG, Avira, Bitdefender, BlackBerry (Cylance), Broadcom (Symantec), BullGuard, CrowdStrike, ESET, F-Secure, G DATA, Kaspersky, McAfee, Microsoft, NortonLifeLock, Palo Alto, Panda, Sentinel One, Sophos, Trend Micro, Quick Heal, VMWare (Carbon Black)

	テスト参加回数	上位3位入賞数	上位3位入賞率	1位受賞数
Kaspersky	62	50	81%	45
ESET	63	47	75%	40
Broadcom (Symantec)*	32	23	72%	20
NortonLifeLock	34	22	65%	19
Avira	40	24	60%	21
Bitdefender	69	36	52%	31
Trend Micro	56	28	50%	27
G DATA	41	20	49%	20
Microsoft	45	21	47%	13
Sophos	37	17	46%	13
F-Secure	42	18	43%	16
Avast	57	21	37%	17
AVG	41	14	34%	12
McAfee	52	17	33%	13

* Broadcom (Symantec) は全テストの34%しか参加していませんが、チャートに表示しています。

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2020年　TOP3メトリック詳細（1）

これらのテストは高度な脅威を含むさまざまな種類のマルウェアに対して実施されたものです。
防御率と誤検知の頻度も重視しています。TOP3メトリックの算出に利用しています。

Specialized threats

Ransomware
- AV-Comparatives. Business Security Test
- AV-Comparatives. Malware Protection Test
- AV-Comparatives. Real-World Protection Test
- AV-TEST. Bi-Monthly Certification: Consumer and Business
- MRG Effitas. 360 Degree Assessment & Certification
- NSS Labs. Advanced Endpoint Protection Test
- SE Labs. Home Anti-Malware Protection Test
- SE Labs. Small Business Endpoint Protection Test
- SE Labs. Enterprise Endpoint Protection Test

Fileless
- AV-Comparatives. Endpoint Prevention & Response (EPR) Test
- AV-Comparatives. Enhanced Real-World Test: Consumer and Business
- NSS Labs. Advanced Endpoint Protection Test

Exploits
- AV-Comparatives. Enhanced Real-World Test
- MRG Effitas. 360 Degree Assessment & Certification
- NSS Labs. Advanced Endpoint Protection Test
- SE Labs. Home Anti-Malware Protection Test
- SE Labs. Small Business Endpoint Protection Test
- SE Labs. Enterprise Endpoint Protection Test
- Virus Bulletin. VBWeb Comparative Review

Financial malware
- MRG Effitas. Online Banking/Browser Security Certification (Q1)
- MRG Effitas. 360 Degree Assessment & Certification (sinceQ2)

APT
- AV-Comparatives. Endpoint Prevention & Response (EPR) Test
- AV-Comparatives. Enhanced Real-World Test: Consumer and Business
- ICSA. Advanced Threat Detection Certification

Phishing
- AV-Comparatives. Anti-Phishing Test
- Virus Bulletin. VBWeb Comparative Review

Parental control
- AV-Comparatives. Parental Control Certification

Dedicated Tests

Android Tests
- AV-Comparatives. Mobile Security Review
- AV-TEST. Android Mobile Security Products Test
- MRG Effitas: Android 360 Assessment Programme

Mac Tests
- AV-Comparatives. Mac Security Test & Review
- AV-TEST. Mac Detection & Performance Test: Consumer and Business

Email protection
- SE Labs. Email Security Services Protection

Real-World Tests
- AV-Comparatives. Real-World Protection Test
- AV-Comparatives. Enhanced Real-World Test: Consumer and Business
- AV-TEST Bi-Monthly Certification Consumer and Business
- SE Labs. Home Anti-Malware Protection Test
- SE Labs. Small Business Endpoint Protection Test
- SE Labs. Enterprise Endpoint Protection Test

Tests on a static collection
- Virus Bulletin. VB100 Certification

False positives (FP)
- All the tests mentioned above include FP measurements

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2020年　TOP3メトリック詳細（2）

このページ以降のテストは、2020年に実施されTOP3メトリックの算出に利用したものです。

AV-Comparatives

- Product of the Year

  At the end of the year, this annual award is given to the vendor who attained the highest awards in an entire year's testing cycle, involving the following tests: Malware Protection Test (MPT) + Real-World Protection Test (RWPT) + Enhanced Real-World Test + Performance Test. According to AV-Comparatives' rules, in cases where two or more vendors receive the same maximum score, the award goes to the vendor who has never received it before, or was the last of the participants to receive it previously.

  The seal is counted as a first place in the TOP3 metric. Vendors who were nominated, but did not receive the 'Product of the Year' award, are given the 'Outstanding Product' rank, which counts as a second place in the TOP3 metrics.

  Vendors who achieved at least 90 points across the entire test cycle are awarded the 'Top Rated' rank, which counts as a third 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 also given for the best results in specific tests: MPT, RWPT, Performance, Enhanced Real-World Test. As these test 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.

- Malware Protection Test

  This test is a successor of the File Detection Test and includes execution of the tested files. It is conducted twice a year and, correspondingly, is counted two times in the metrics. 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 their vendor.

- Real-World Protection Test

  The test lasts for five months and is finalized in two half-year reports using mainly current, visible, and relevant malicious websites/malware. Correspondingly, this test is counted two times in the metrics. 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 their vendor.

- Enhanced Real-World Test: Consumer and Business

  This is the Advanced Threat Protection test that checks the products' defenses against targeted attacks that aim to sabotage corporate networks or steal confidential data. This test is conducted and counted in the metrics once a year. Consumer and Business related products are assessed separately.

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

- Anti-Phishing Test

  This test is performed and counted in the metrics once a year and simulates a common situation: users rely on the anti-phishing protection provided by their security products while browsing the web. The test consists of two parts: Detection Rate and False Positives.

  If all products achieved zero False Positives, the products achieving the highest three places based on Protection Rate, gain an increment of TOP3 counters for their vendor.

  If any of participating products achieved any False Positives, only certified products gain an increment of TOP3 counters for their vendor.

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2020年　TOP3メトリック詳細（3）

AV-Comparatives

- Endpoint Prevention & Response (EPR) Test

  This test is performed and counted once a year and includes a study of security solution performance metrics in relation to targeted attacks (time to prevention; time to response), with correlating all stages to the tactics and techniques of the MITRE ATT&CK matrix, and the total cost of ownership (TCO) calculated for each product.

  Products that demonstrate the three highest Prevention/Response Capabilities gain an increment of TOP3 counters for their vendor.

- Parental Control Certification

  The test is performed and counted in the metrics once a year and evaluates protection efficiency of security products to prevent children from visiting unwanted web sites.

  Products that blocked 98% of pornographic websites with no more than a few False Positives on child-friendly websites, and have no severe unresolved bugs (or design flaws) discovered during the review, are certified by the test lab, and gain an increment of TOP3 counters for their vendor.

- Mobile Security Review

  This review is done and counted in the metrics once a year and includes a malware protection test along with an overview of additional features (theft protection, battery consumption, etc.).

  If all products achieved zero False Positives, the products achieving the highest three places based on Protection Rate, gain an increment of TOP3 counters for their vendor.

  If any of participating products achieved any False Positives, only certified products gain an increment of TOP3 counters for their vendor.

- Mac Security Test & Review

  This review is done and counted in the metrics once a year and 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 a False Positive level. If all products achieved zero False Positives, the products achieving the highest three places based on Protection Rate, gain an increment of TOP3 counters for their vendor. If any of participating products achieved any False Positives, only certified products gain an increment of TOP3 counters for their vendor.

- Business Security Report

  This report is conducted and published twice a year. Correspondingly, it is counted two times in the metrics. The report includes a review of various business security products and also evaluates the protection efficiency in categories such as Protection Rate on different malware sets, websites, and exploits and a False Positive level.

  Products achieving, at least, 90 percent Protection Rate with no False Positives on common business software in the Malware Protection Test and, at least, 90 percent Protection Rate with less than 100 False Positives on any clean software/websites in the overall Real-World Protection Test, with no major performance issues, are certified by the test lab, and gain an increment of TOP3 counters for their vendor.

AV-Test

- Best Protection Award: Consumer and Business

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

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

- Best Android Security: Consumer and Business

  This annual award is given once a year for perfect results in the Android security testing over the course of a whole year. Consumer and Business related products are assessed separately.

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

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2020年　TOP3メトリック詳細（4）

AV-Test

- Best Mac Security: Consumer and Business

  This annual award is given once a year for perfect results in the Mac security testing over the course of a whole year. Consumer and Business related products are assessed separately.

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

- Bi-Monthly Certification: Consumer and Business

  This year-long certification series consists of Consumer and Business segments, each divided into six separate, two-month-long tests, which results are published every even months, i.e. this test is counted 6 times in the metrics. Consumer and Business related products are assessed separately. All participating products are evaluated and receive points in Protection, Performance and Usability categories. The sum of the points gained in each category makes up the overall score; products in the top three have their TOP3 counters incremented.

- Android Mobile Security Products Test : Consumer and Business

  This year-long certification series is divided into six separate, month-long tests, which results are published every odd months, i.e. this test is counted 6 times in the metrics. All participating products are evaluated and receive points in Protection, Performance and Usability categories. The sum of the points gained in each category makes up the overall score; products in the top three have their TOP3 counters incremented.

- Mac Detection & Performance Test: Consumer and Business

  This test evaluates various security protection products for Mac OS X and is conducted twice a year. Correspondingly, this test is counted two times in the metrics. Consumer and Business related products are assessed separately. All participating products receive points in Protection, Performance and Usability categories. The sum of the points gained in each category makes up the overall score; products in the top three have their TOP3 counters incremented.

ICSA Labs

- Advanced Threat Defense Certification

  This assessment is performed every quarter, i.e. four [1] times a year, and aims to evaluate the efficiency of security solutions to detect new and little-known threats while minimizing false positives.

  Each product that passes the certification gains an increment of TOP3 counter for their vendor.

[1] Results for the fourth quarter were not taken into account in the TOP3 metrics as they had not been published by the database freeze deadline.

MRG Effitas

- Online Banking/Browser Security Certification

  This test is conducted and published four times a year and 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 the first two steps receive certification and gain a TOP3 counter increment for their vendor.

- 360 Assessment & Certification

  This test is conducted and published four times a year and 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 certified products gain an increment of TOP3 counters for their vendor.

- Android 360 Assessment Programme

  The conducted every quarter test is published four times a year and evaluates both the ability to block initial infection while copying it to the device, so called the Early Stage Detection, and while running it, the Installation Stage. The test also includes a false positive subtest.

  Products placing in the highest three positions based on the combined of two stages Detection Rate gain an increment of TOP3 counters for their vendor.

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2020年　TOP3メトリック詳細（5）

NSS Labs

- Advanced Endpoint Protection Test v.4

This test is done once a year and evaluates Advanced Endpoint Protection solutions (AEP) on security effectiveness and total cost of ownership.

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

SE Labs (formerly known as Dennis Technology Labs)

- Home Anti-Malware Protection Test
- Small Business Anti-Virus Protection Test
- Enterprise Endpoint Protection Test

These quarterly-long tests are published and counted in the metrics four times a year. These tests aim to compare the effectiveness of anti-malware products provided by well-known security companies. Enterprise, Home, and Small Business products are evaluated separately. The products are exposed to live Internet threats during the test period. This exposure is carried out in a very realistic way, closely reflecting the 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.

Three products with the highest Total Accuracy Rating scores (calculated as a combination of points of the two subsets) gain an increment of TOP3 counters for their vendor.

- Email Security Services Protection Test

This test is performed and counted in the metrics one time a year and assesses how effectively the email hosted protection services for the Office365 platform are at detecting and/or protecting against threats in real time, including phishing, BEC (business e-mail compromise), social engineering and real world spam. The test includes a detection subtest and a false positive one.

Three products with the highest Total Accuracy Rating scores (calculated as a combination of points of the two subsets) gain an increment of TOP3 counters for their vendor.

- Annual Awards “BEST”

These annual awards are counted in the metrics once a year and given for perfect results in different categories over the course of an entire year: Consumer Anti-Malware, Email Security Service, Endpoint Detection Response, Enterprise Endpoint, Free Anti-Malware, Innovator, New Endpoint, Product Development, Small Business Endpoint. Each award is assessed separately.

Only products that receive one of these awards gain a TOP3 counter increment for their vendor.

Virus Bulletin

- VB100 Comparative Review and Certification

  These tests are held every two months on operating systems Win7 and Win10 in parallel to evaluate different types of products; the reports are published six times a year.

  Each product that passes the certification gains an increment of TOP3 counter for their vendor.

- VBWeb Comparative Review

  This test is performed every quarter, i.e. four times a year, and measures the ability of participating gateway level products to prevent malicious traffic such as malicious executables and drive-by downloads from infecting an organization's network.

  Each product that passes the certification gains an increment of TOP3 counter for their vendor.

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2020年　TOP3メトリック対象ベンダー

- 1E
- Acronis
- AdSpider
- AhnLab
- Antiy Labs
- ArcaBit
- Avast
- AVG
- Avira
- Bitdefender
- BlackBerry (Cylance)
- BlackFort
- Broadcom (Symantec)
- BullGuard
- Carbon Black
- Check Point
- Cheetah Mobile
- Cisco
- ClamXav
- Clario
- CMC Cyber Security
- Comodo
- CORE
- CrowdStrike
- Cybereason
- Cynet
- CyRadar
- CYREN
- Deep Instinct
- Defenx
- Elastic
- EmsiSoft
- eScan
- ESET
- ESTsecurity
- Exosphere
- Faronics
- FireEye
- Fortinet
- F-Secure
- G Data
- Google
- GoSecure
- Hammock
- Heimdal
- iBoss
- Ikarus
- Innovana
- Intego
- Juniper
- K7 Computing
- Kaspersky
- Lavasoft
- LINE
- Malwarebytes
- McAfee
- Microsoft
- Microworld
- Mimecast
- NANO
- NorthGuard,
- NortonLifeLock
- NSHC
- Palo Alto
- Panda
- PC Pitstop
- PCProtect
- Perception-Point
- Pocket Bits
- Private Internet Access Inc.
- Qi-ANXIN
- Quick Heal
- Rising
- SafeDNS
- Sangfor
- Scanguard
- SecureAge
- Securion
- SentinelOne
- Seqrite
- Sequretec
- SK Telecom
- SonicWall
- Sophos
- SparkCognition
- Tabidus
- TAPI Security Labs
- TeamViewer
- Tencent
- TGSoft
- Total Defense
- TotalAV
- Trend Micro
- TrustPort
- Tuxguard
- Tweaking Technologies
- Vendor A
- Vendor B
- Vendor C
- Vendor D
- VIPRE
- VMware (CarbonBlack)
- Webroot
- Wontok
- Zemana
- Zoner

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