# Comparison of free products

Signature-/Heuristic-based

Signature-based before deployment

Protection from accessing infected sites

Running possible infections in the isolated virtual enviroment

Behavior-based

On-demand detection

On-access detection

Search results warnings

Increases scanning speed by avoiding scanning of clean files between updates

Speed increase [Virus Bulletin On-Access Speed; Dec 2010]

Website reputation warnings



MS Security

Essential

33

9.5 MB

176 MB

97.6%

5.9

very few

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

X

 $\checkmark$ 

X

X

X

X

X

 $\checkmark$ 

56%

X

X

X

30

AVG Anti-virus

Free 2011

21

146 MB

305 MB

98.3% <sup>2</sup>

13

manv

 $\checkmark$ 

 $\checkmark$ 

X

X

 $\checkmark$ 

X

X

 $\checkmark$ 

96% <sup>2</sup>

X

X

110

Avira Antivir

Personal 10

10

47.4 MB

101 MB

99.8%

15.1

few

 $\checkmark$ 

X

 $\checkmark$ 

X

X

X

X

X

X

X

X

0%

X

X

X

100

avast! Free

Antivirus 6.0

35

42 MB

132 MB

99.3%<sup>1</sup>

17.2

few

 $\checkmark$ 

 $\checkmark$ 

V

 $\checkmark$ 

 $\checkmark$ 

X

 $\checkmark$ 

 $\checkmark$ 

91%<sup>1</sup>

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

143



WHAT'S NEW IN AVAST! FREE ANTIVIRUS VERSION 6.0?

#### new avast! WebRep

Provides website reliability and reputation ratings according to community-provided feedback.

#### new avast! AutoSandbox (virtualization)

Prompts users to run suspicious applications in the virtual Sandbox environment.

#### Script Shield added

Detects malicious scripts hidden in web pages and prevents them from hijacking and potentially damaging your computer.

#### improved antivirus and anti-spyware engine

Innovative scanning engine protects against viruses, spyware, and other malicious agents.

## improved boot-time scanner (with 64-bit support)

Scans your computer for infections before the OS can start to activate any viruses beneath it (now applies to Windows 7 and Windows Vista).

#### improved Web Shield

Scans visited web pages, downloaded files, and java scripts. Thanks to intelligent stream scanning, it doesn't slow your web browsing.

#### improved Behavior Shield

Stops 'zero-day' threats and unknown malware before virus definitions have been obtained.

Noto	
note.	

 $^{1}\,$  Testing of avast! Free Antivirus 5.0 - data for version 6.0 not  $\,$  yet available  $\,$ 

 $^2\,$  Tested on paid-for suite AVG Internet Security - data for free AV not available

Data sourced from vendors' websites and January 2011 comparative review by PC Quest.

Written about us: PC Quest, 3 January 2011

#### Comparison of free products

PRODUCT NAME

Detection

Scanning speed [MB/s)

Number of False Positives

**PRODUCT FEATURES** 

Browsing security

Antiphishing

Virtualization

Boot-time scanner

Silent/Gaming Mode

Free phone support

Wake-up scan scheduling

Disclosed user base (millions)

Antivirus and anti-spyware engine

Real-time anti-rootkit protection

Number of program languages

Size of the installation package

Program size after installation

On-Demand Scanning Test, AV Comparatives.org - Aug 2010

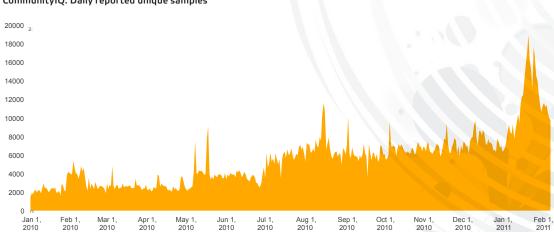
avast! Free Antivirus often outperforms competitors' paid-for products.

Scanning Speed



on-demand comparative review AV Comparatives.org Aug 2010 [MB/s] Source: www.av-comparatives.org

avast! CommunityIQ helps us to improve detection by finding unknown viruses. On average, the community identifies and automatically sends to our Virus Lab over 10,000 new unique samples every day.



To prove the effectiveness of the free version, AVAST Software uniquely submits only avast! Free Antivirus for comparative tests with competitors' paid-for Security Suites and Premium products.

#### AV Comparatives: On-Demand Detection, Aug 2010

G Data AntiVirus

Trustport Antivirus

Avira AntiVir Premium

McAfee AntiVirus Plus

BitDefender Anti-Virus Pro

Symantec Norton Anti-Virus

Microsoft Security Essentials

Norman Antivirus & Anti-Spyware

PC Tool Spyware Doctore with Antivirus

Trend Micro AntiVirus plus AntiSpyware

avast! Free Antivirus

F-Secure Anti-Virus

Panda Antivirus Pro

ESET Nod32 Antivirus

Kaspersky Anti-Virus

eScan Anti-Virus

AVG Anti-Virus

Sophos Anti-Virus

K7 TotalSecurity

Kingsoft AntiVirus Pro

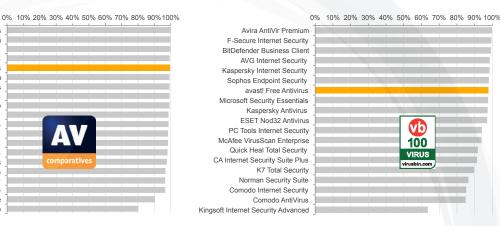
### VB100 Comparative Review: Detection Rate, Dec 2010

Vb

100

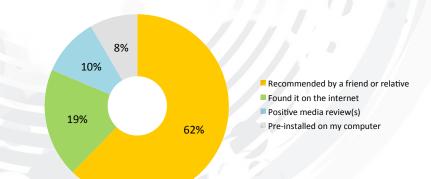
VIRUS

virusbtn.co



AVAST Software doesn't pay for advertising; the avast! community makes us known.





CommunityIQ: Daily reported unique samples