

ANTI-VIRUS TOOL

1) Moayad bawaked 2143280

2) Tariq Hijazi 1846790

Anti-virus Tool

Specific: To provide complete protection against all types of malwares, including viruses, trojans, spyware, and more.

Measurable: The success of the anti-virus software will be measured by the number of successful detections and protections against malware attacks, as well as user satisfaction surveys.

Achievable: This objective is achievable by regularly updating the software with the latest threat definitions, utilizing advanced threat detection technologies, and providing easy-to-use software with a user-friendly interface.

Relevant: Protecting against malware is relevant as it helps to keep personal information and sensitive data secure, ensures the proper functioning of devices and systems, and helps to prevent loss of valuable data.

Time-bound: The goal is to achieve complete protection against all types of malwares within the next 6 months and continuously maintain and improve the level of protection in the future.

Anti-virus Tool

What is Anti-virus tool?2.1

Antivirus software (abbreviated to **AV software**), also known as **anti-malware**, is a [computer program](#) used to prevent, detect, and remove [malware](#).

Antivirus software was originally developed to detect and remove [computer viruses](#), hence the name. However, with the proliferation of other [malware](#), antivirus software started to protect against other computer threats. Some products also include protection from malicious [URLs](#), [spam](#), and [phishing](#) [1]

How Anti-Virus tool work? 2.2

An antivirus software works by **scanning incoming files or code that's being passed through your network traffic**. Companies who build this software compile an extensive database of already known viruses and malware and teach the software how to detect, flag, and remove them.

When files, programs, and applications are flowing in and out of your computer, the antivirus compares them to its database to find matches. **Matches that are similar or identical to the database are isolated, scanned, and removed.**[2]

Why do you need antivirus software? 2.3

A system without an antivirus is just like a house with an open door. An open and unprotected door will attract all the intruders and burglars into your home. Similarly, an unprotected computer will end up inviting all the viruses to the system. An antivirus will act as a closed door with a security guard for your computer fending off all the malicious intruding viruses. So, will you leave your door open for intruders?[3]

When is Anti-virus Activated? 2.4

Antivirus software is usually activated when it is installed on a computer. Once activated, the antivirus software runs in the background,

Anti-virus Tool

constantly monitoring the system and checking for any signs of malicious activity. The antivirus software can also be set to run regular scans of the system, either at a specific time or at specific intervals. In addition, some antivirus software can also be configured to run a scan whenever new software is installed or when certain types of files are downloaded. The exact activation process for an antivirus program may vary depending on the specific software being used.[4]

Where can you get a Good Anti-virus? 2.5

Data breaches were up 68% in 2021 compared to the previous year.¹

Personal information—such as Social Security numbers, birth dates, bank account information, and credit card numbers—is at risk. That data is then available on the dark web and can be used to ruin your financial life. In fact, the personal information of people with a high credit score can sell for relatively little on the dark net.

[Cyberattacks on companies are also costly](#). The costs for compromised records, mitigating an attack, downtime, and repairs, and more accounted for a total cost of \$4.24 million in 2021.² Installing the right antivirus software at home or your business is one step you can take to ensure you don't become a future statistic. Current antivirus software has moved beyond detecting viruses to providing malware and other attack protections. With hundreds of antivirus software solutions available, it can be hard to decide which is best for you.

We investigated 20 options recommended by cybersecurity experts as their software of choice and considered the software's antivirus, malware, and ransomware. We also considered features such as multiple device protections and free version offerings. Here are our top picks.

The 6 Best Antivirus Software of 2023

- **Best Overall:** [Bitdefender Antivirus Plus](#)
- **Best for Windows:** [Norton 360 With LifeLock](#)
- **Best for Mac:** [Webroot SecureAnywhere for Mac](#)
- **Best for Multiple Devices:** [McAfee Antivirus Plus](#)
- **Best Premium Option:** [Trend Micro Antivirus+ Security](#)
- **Best Malware Scanning:** [Malwarebytes](#)

Anti-virus Tool

In conclusion, the SMART objective for an anti-virus software is to provide complete, regularly updated, and user-friendly protection against all types of malwares within the next 6 months and continuously maintain and improve the level of protection in the future.

Source

- [1] https://en.wikipedia.org/wiki/Antivirus_software
- [2] <https://www.soscanhelp.com/blog/how-does-antivirus-work>
- [3] <https://geekflare.com/advantages-using-antivirus/>
- [4] <https://www.techtarget.com/searchsecurity/definition/antivirus-software?amp=1>
- [5] <https://www.investopedia.com/best-antivirus-software-5084503>