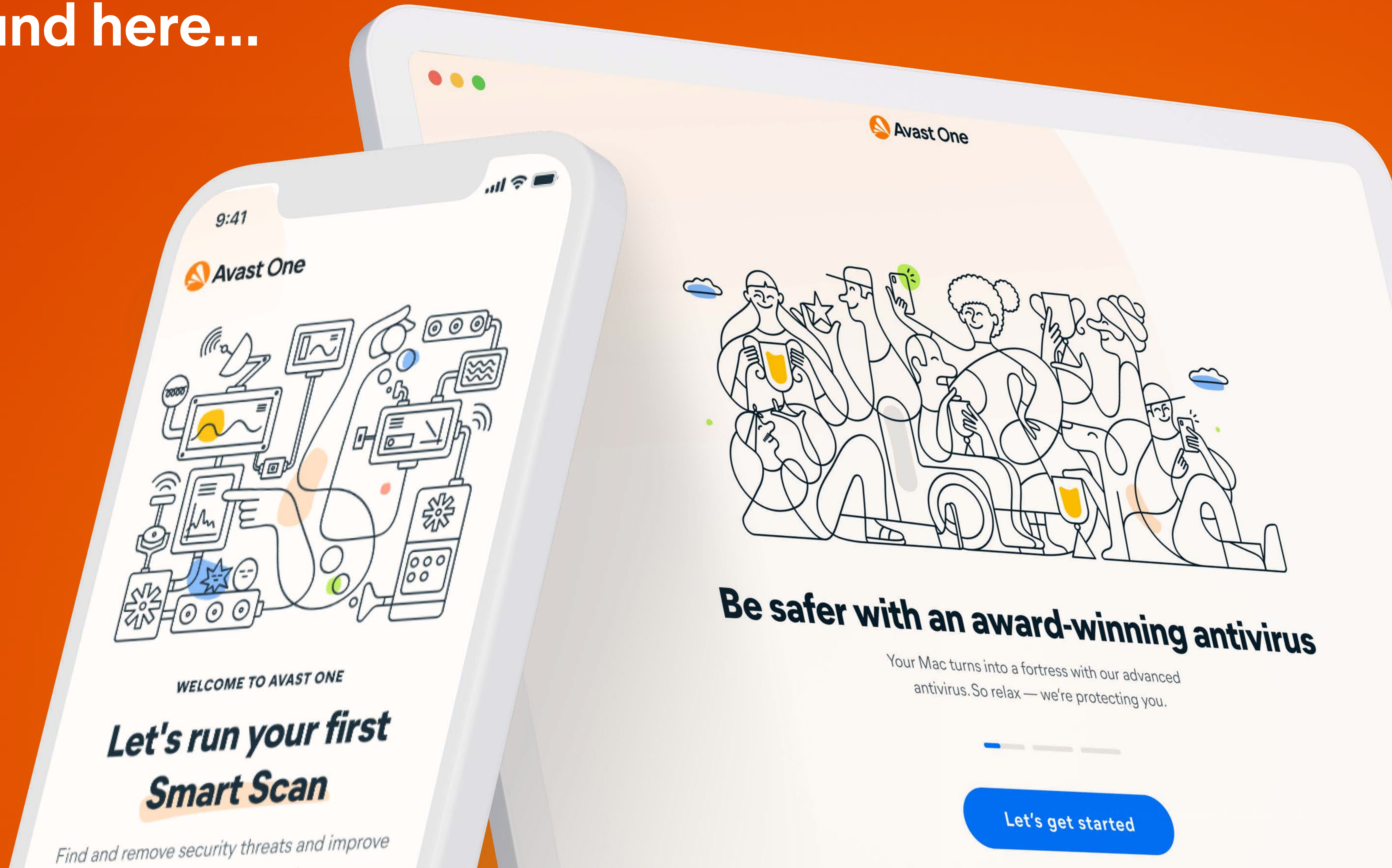


Reviewer's Guide 1.2 | 2022



# Some things need to change around here...







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# Introduction to Avast One

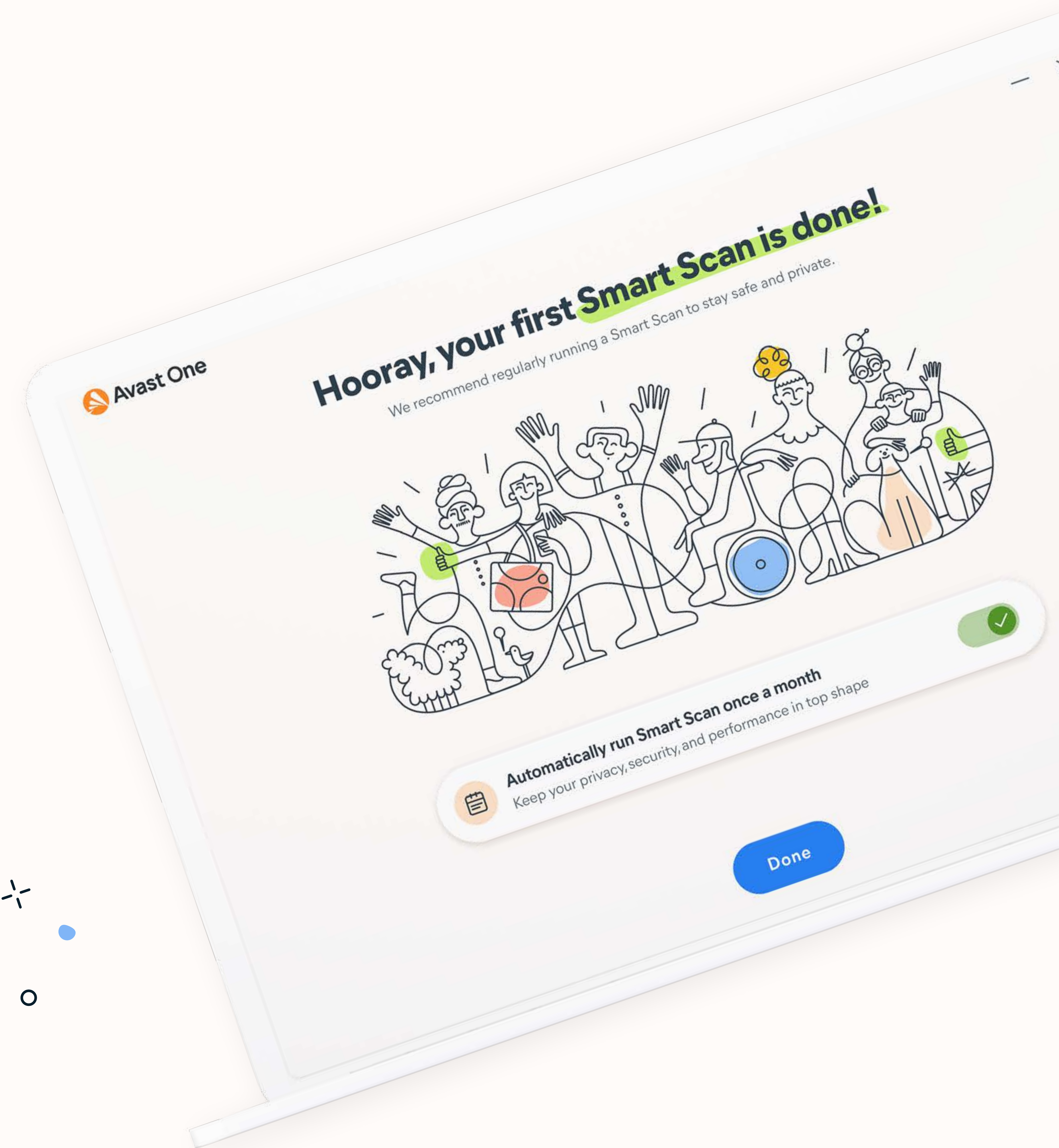
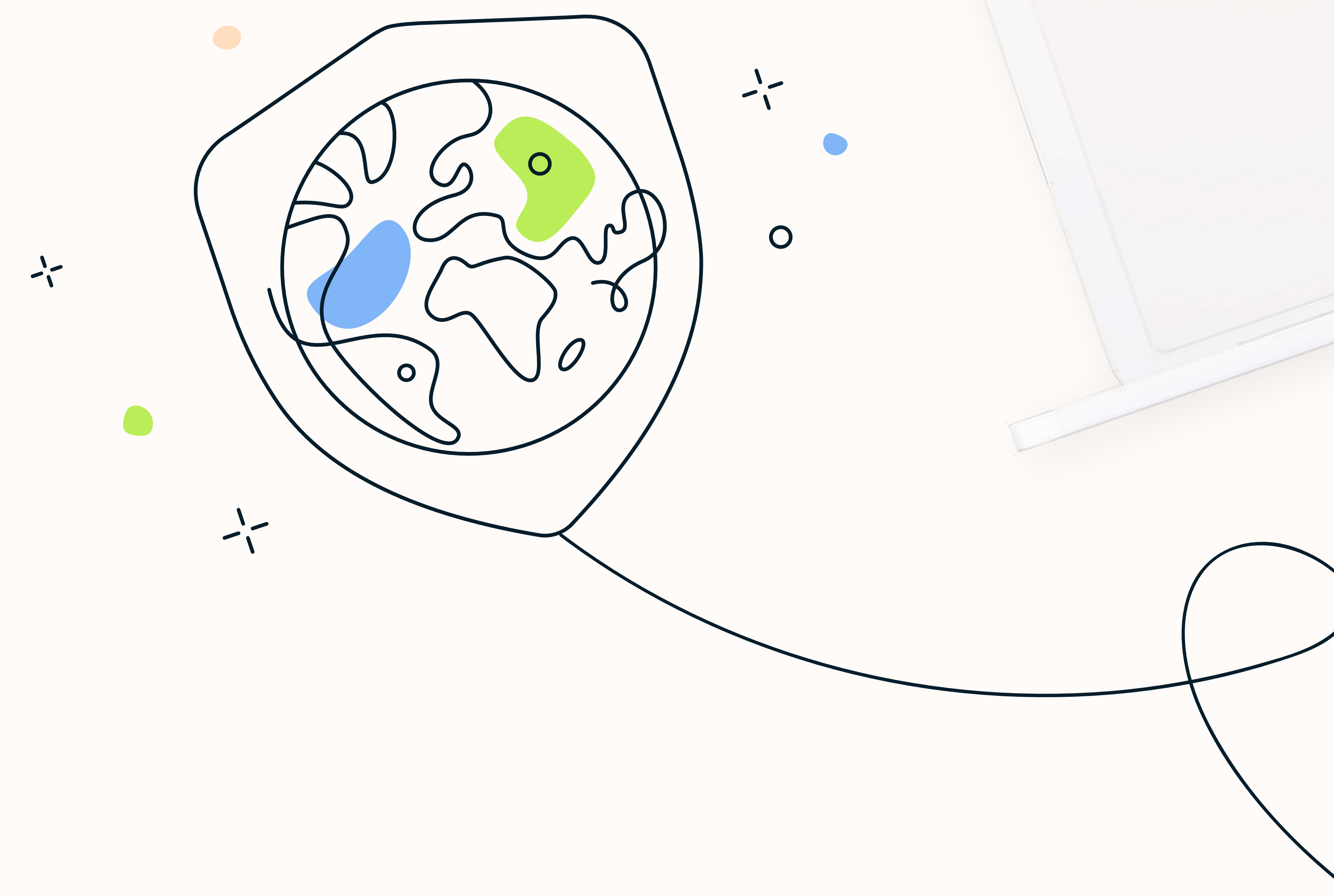
Proactive, essential protection for life today.

The global pandemic has been an accelerator for PC, Mac, and phone usage as people work, connect, learn, game, stream, and educate themselves online more than ever before. The internet has been a gateway for people to connect with others, to stay in touch with loved ones, and to access information.

Avast believes that people around the world should be empowered to use the internet and their devices safely, privately, and with high performance, for free. That's why Avast was the first digital security company to provide its hero antivirus product for free, globally, and today over 400 million users trust Avast with their online protection.

Today, 30 years later, Avast is redefining digital protection for the online consumer of the modern internet: introducing Avast One, the integrated service to increase privacy, connect securely, speed up your devices, and stay safe from viruses. Avast One is available as a free version, Avast One Essential, and as a premium version, Avast One Individual and Avast One Family.

With all-new apps for PC, Mac, iOS, and Android, Avast protects all devices in the household and makes sure that people get the right protection at the right time.





# Product overview

The Avast team set out to develop a product that goes beyond antivirus. Here are some of the highlights:

## 1 Best-in-breed privacy & VPN services

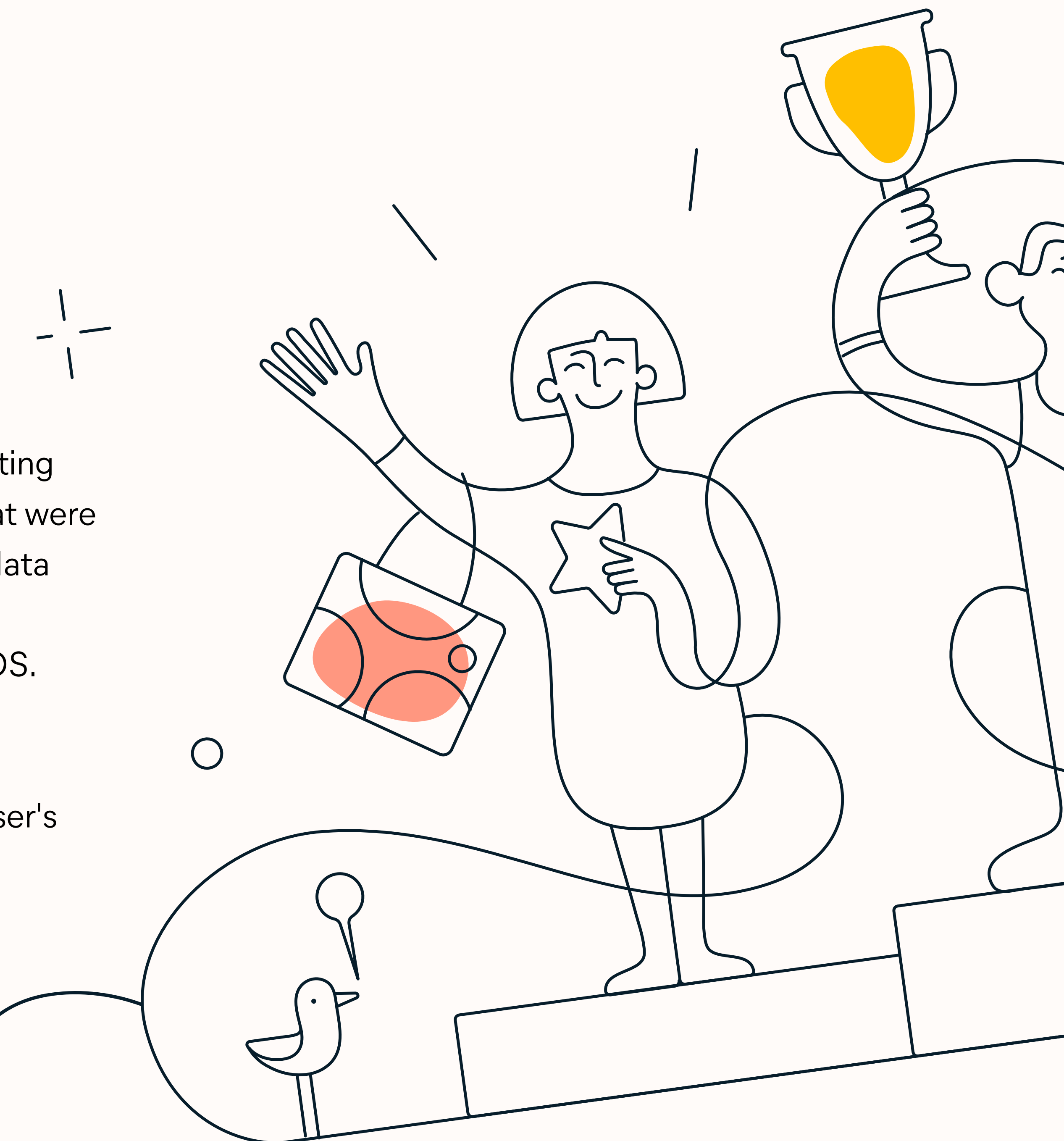
Over the last decade, Avast has built new products to protect against emerging threats to peoples' identity (BreachGuard) and to surf securely and privately (VPN, AntiTrack). Avast One unites the best of Avast's technologies in one product and in a simple, single installation.



## 3 Many premium features are now FREE

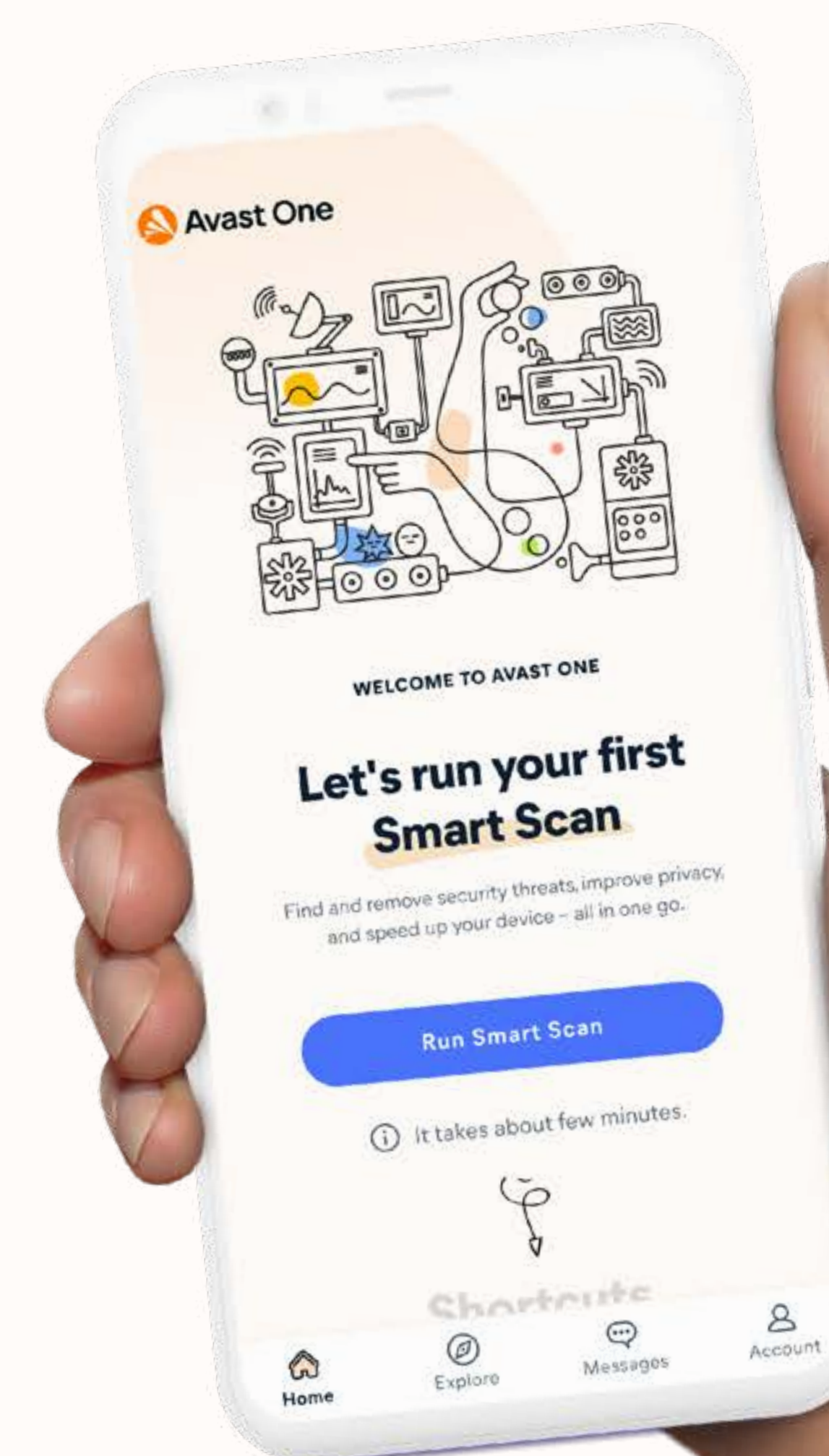
The free Avast One Essential versions goes beyond existing products and competition by offering many features that were previously available only in premium products, such as data breach monitoring, performance optimization, and VPN services. It's available for Windows, Android, Mac, and iOS.

It also comes with Ransomware Protection that stops unauthorized takeovers and unauthorized access to a user's PC by protecting selected files and folders.



## 2 Free VPN with a massive 5 GB traffic per week

All free Avast One Essential users get 5 GB traffic to surf the web securely. Avast's premium Individual/Family users get unlimited traffic, DNS leak protection, dozens of locations for streaming and surfing, location masking, and more (see feature set below).





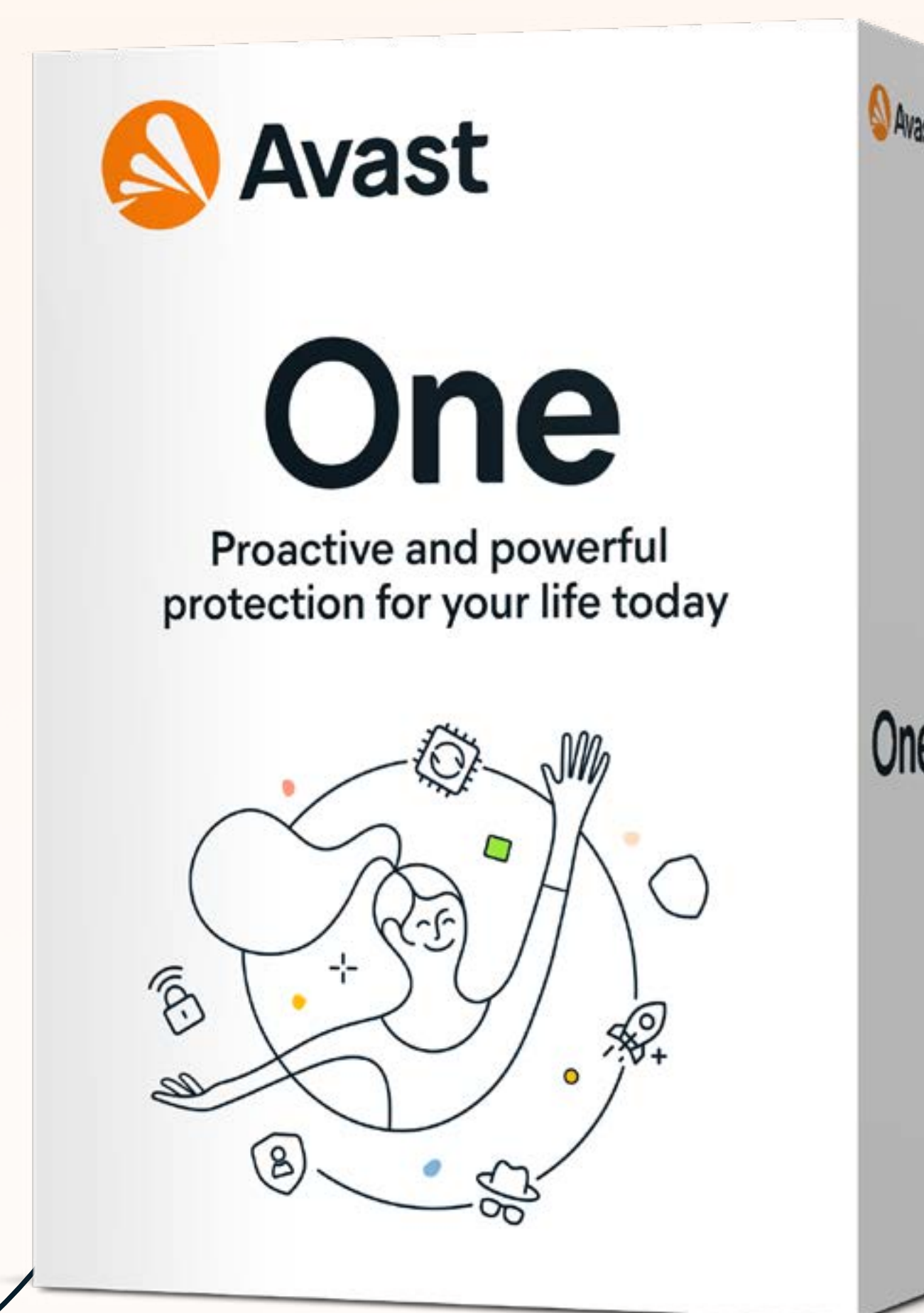
# Product overview (CONTINUED)

4

## A personalized dashboard with shortcuts

The ultimate goal was to make the dashboard understandable for beginners and powerful for pros. Newcomers will get shortcuts right on the first screen to start a scan, connect through a VPN, or clean up their devices.

They'll also see tailored recommendations to improve their privacy, security, and performance right on the first screen. Users who want more will have more control by diving into the individual features of Avast One.



5

## A patented, free performance boost

Avast's PC Speedup tool helps prevent a user's PC from the slowdown that occurs over time as users install more and more applications. A patented algorithm detects programs that reduce the performance and puts them to sleep when the user is not actively working with them — in essence, it gives users that Day 1 performance all-year round. For the first time, this feature is available in a free product (more on this below). On top of that, Avast includes a Driver Updater with support for eight million drivers, ensuring greater stability, performance, and fixed driver vulnerabilities for most built-in and connected devices.





# Third-party test results

Avast antivirus products consistently receive high protection scores from third-party testing labs such as SE Labs, AV-Comparatives, and AV-TEST.



## AV-Comparatives, 2020

"Top Rated-Product"



## AV-Comparatives, July 2021

Mobile Security: 99.6 out of 100 points



## AV-Comparatives, July 2021

Anti-Phishing: Highest score achieved vs. competition (96 out of 100 points)



## AV-TEST, June & May 2021

Protection Score: 6 out of 6 points



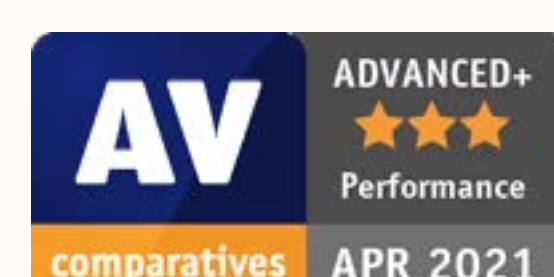
## AV-Comparatives, February - May 2021

Real World Protection test: 99.9 out of 100 points



## SE Labs, January - March 2021

Home Anti-Malware Protection Test: AAA



## AV-Comparatives, April 2021

Impact on Performance: Advanced+ award (highest award)



## SE Labs, April - June 2021

Home Anti-Malware Protection Test: AAA



## NEW AV-TEST, July 2021

In all test categories - PROTECTION, USABILITY and PERFORMANCE Avast One achieved very good results.

[Full results next page](#)



# AV-TEST certifies

Avast One is fast and secure.

With the generational leap of Avast One and its major increase in built-in technologies, Avast's goal was to deliver the same level of protection whilst minimizing any performance impact, and maintaining our performance against the competition. On top of internal lab tests, Avast worked with one of the leading security test institutes, **AV-test.org** on intensive lab tests and benchmarks. **The results:**

## Protection

AV-Test certified the same level of protection when detecting malicious code as the existing Avast Antivirus.

“

In all test categories - PROTECTION, USABILITY and PERFORMANCE - Avast One achieved very good results. Both, PROTECTION AND USABILITY results are flawless. In the PROTECTION section, Avast One achieved a perfect Real-world protection rate of **100%** and very good **99.96%** in the Prevalent malware detection test. The USABILITY section result was also perfect, without any false alarms. Also, the PERFORMANCE impact is at a very low level, reaching the best marks possible in our test.”

- AV-Test.org private test - July 2021

## Performance

Avast One does not introduce any noticeable performance impact\* compared to its predecessor, despite the addition of multiple new technologies.

Performance Score: **6/6**

Total impact Avast One: **9.77%**

Total impact Avast Free: **9.17%**

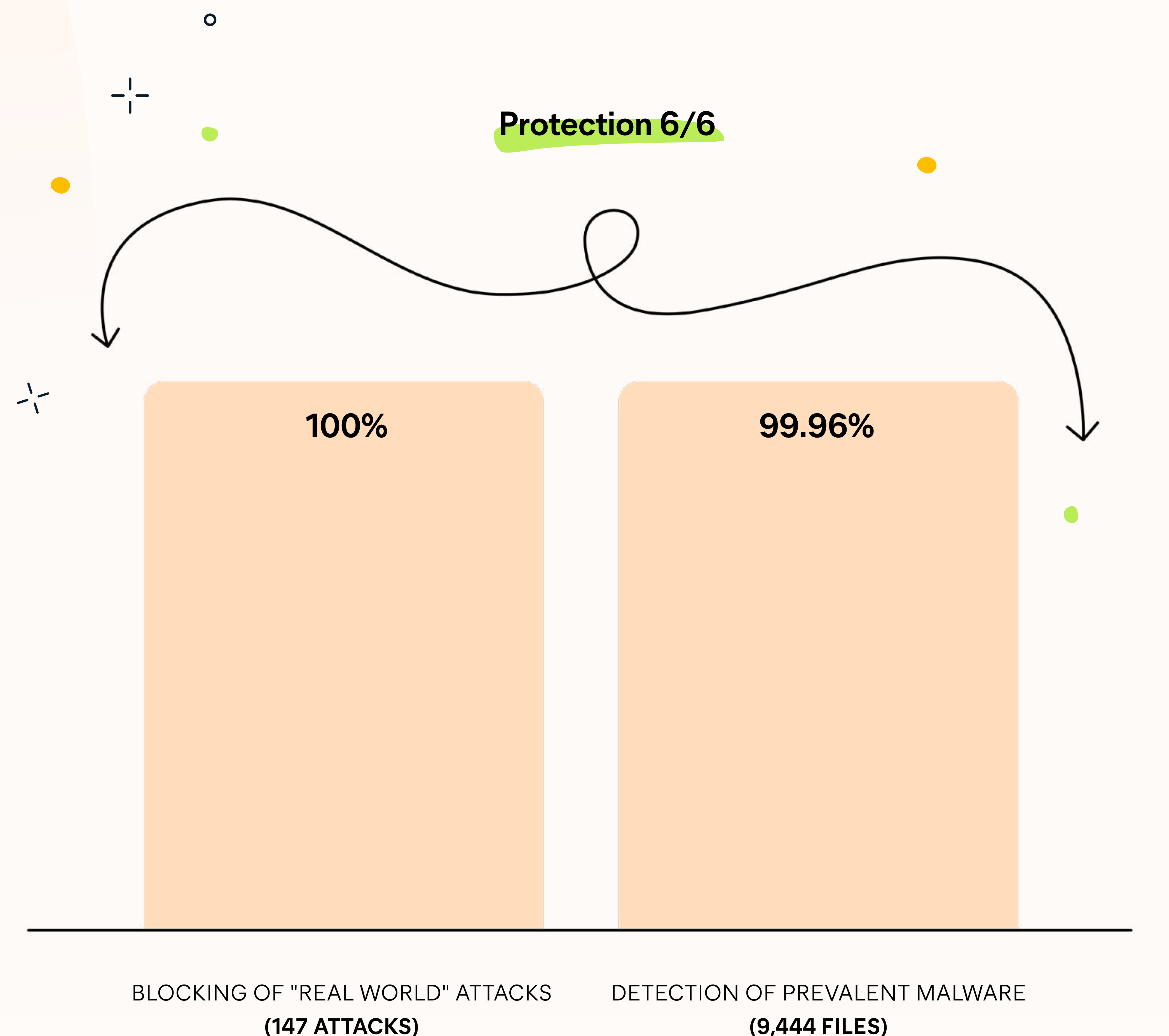
For competitive results, go to:

<https://www.av-test.org/en/antivirus/home-windows/>

For full test results, go to:

[https://www.av-test.org/fileadmin/pdf/reports/AV-TEST\\_Avast\\_One\\_Test\\_Results\\_Aug\\_2021\\_EN.pdf](https://www.av-test.org/fileadmin/pdf/reports/AV-TEST_Avast_One_Test_Results_Aug_2021_EN.pdf)

\* Tested on PCs with the following specifications:  
Standard PC (HP 280 G2 (1EX45EA): Intel i3-6100 256 SSD, 8 GB RAM)  
High-end PC (HP Z240 (Y3Y82EA): Intel i7-7700, 256 SSD, 16 GB RAM)
















# Comparisons










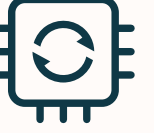




# Comparison table - Essential vs. Paid | Windows

The following table outlines the features in the free product, **Avast One Essential**, and the **Avast One Individual and Family** paid versions with advanced functionality.

| Device protection   |                                | Essential | Individual | Family   |
|---|--------------------------------|-----------|------------|----------|
|    | Antivirus & File Shield        | ✓         | ✓          | ✓        |
|    | Ransomware Protection          | ✓         | ✓          | ✓        |
|    | Firewall                       | Basic     | Advanced   | Advanced |
|    | Web Shield                     | ✓         | ✓          | ✓        |
|   | Behavior Shield                | ✓         | ✓          | ✓        |
|  | Scan Center                    | ✓         | ✓          | ✓        |
|  | Sensitive Data Shield          | -         | ✓          | ✓        |
|  | Web Hijack Guard               | -         | ✓          | ✓        |
|  | Webcam Protection              | -         | ✓          | ✓        |
|  | <b>NEW</b> Email Guardian      | ✓         | ✓          | ✓        |
|  | <b>NEW</b> Online Safety Score | ✓         | ✓          | ✓        |











| Online privacy  |                                | Essential                 | Individual                                     | Family   |
|---|--------------------------------|---------------------------|--|--|
|    | VPN                            | ✓                         | ✓  | ✓  |
|    | Traffic                        | 5 GB / week<br>1 location | Unlimited data<br>55 locations<br>34 countries | Unlimited data<br>55 locations<br>34 countries |
|    | Multiple Locations             | -                         | ✓  | ✓  |
|    | P2P Support                    | -                         | ✓  | ✓  |
|    | Streaming Servers              | -                         | ✓  | ✓  |
|  | Browser Cleaner                | ✓                         | ✓  | ✓  |
|  | Data Breach Scan               | ✓                         | ✓  | ✓  |
|  | Data Breach Monitoring         | -                         | ✓  | ✓  |
|   |                                | 1 email                   | 5 email  | 30 emails                                      |
|  | Browser Password Protection    | -                         | ✓  | ✓  |
|  | <b>NEW</b> Privacy Advisor     | ✓                         | ✓  | ✓  |
|  | <b>NEW</b> Tracking Prevention | -                         | ✓  | ✓  |
|  | <b>NEW</b> Private Mode        | -                         | ✓  | ✓  |
|  | <b>NEW</b> Smart VPN           | -                         | ✓  | ✓  |
|  | <b>NEW</b> VPN Kill Switch     | -                         | ✓  | ✓  |





| Smooth performance  |                  | Essential | Individual | Family    |
|---|------------------|-----------|------------|-----------|
|    | Software Updater | ✓         | ✓          | ✓         |
|   |                  | Manual    | Automatic  | Automatic |
|    | PC Speedup       | ✓         | ✓          | ✓         |
|    | Driver Updater   | -         | ✓          | ✓         |
|   | Disk Cleaner     | -         | ✓          | ✓         |
|  | Family Sharing   | -         | -          | ✓         |
| <b>Family Sharing</b>   |                  |           |            |           |
| More accounts for you to share with your family with a single subscription.           |                  | -         | -          | ✓         |
| Number of accounts  |                  | -         | 1          | 6         |
| Number of devices   |                  | -         | 5          | 30        |



# Comparison table - Essential vs. Paid | macOS

| Device protection  |                           | Essential | Individual | Family |
|--|---------------------------|-----------|------------|--------|
|   | Antivirus & File Shield   | ✓         | ✓          | ✓      |
|   | Ransomware Protection     | ✓         | ✓          | ✓      |
|   | Web Shield                | ✓         | ✓          | ✓      |
|   | Scan Center               | ✓         | ✓          | ✓      |
|   | Web Hijack Guard          | -         | ✓          | ✓      |
|  | <b>NEW</b> Email Guardian | ✓         | ✓          | ✓      |





| Online privacy  |                            | Essential                 | Individual                                     | Family   |
|---|----------------------------|---------------------------|--|--|
|    | VPN                        | ✓                         | ✓  | ✓  |
|    | Traffic                    | 5 GB / week<br>1 location | Unlimited data<br>55 locations<br>34 countries | Unlimited data<br>55 locations<br>34 countries |
|    | P2P Support                | -                         | ✓  | ✓  |
|    | Streaming Servers          | -                         | ✓  | ✓  |
|    | Tracking Protection        | -                         | ✓  | ✓  |
|   | Browser Cleaner            | ✓                         | ✓  | ✓  |
|  | Data Breach Scan           | ✓                         | ✓  | ✓  |
|  | Data Breach Monitoring     | -                         | ✓  | ✓  |
|   |                            | 1 email                   | 5 email  | 30 emails                                      |
|  | <b>NEW</b> Privacy Advisor | ✓                         | ✓  | ✓  |
|  | <b>NEW</b> Smart VPN       | -                         | ✓  | ✓  |



| Smooth performance  |                             | Essential | Individual | Family |
|---|-----------------------------|-----------|------------|--------|
|  | Disk Cleaner                | -         | ✓          | ✓      |
|  | Photo Cleaner               | -         | ✓          | ✓      |
|  | App Uninstaller             | -         | ✓          | ✓      |
|  | <b>NEW</b> Duplicate Finder | -         | ✓          | ✓      |
| <b>Family Sharing</b>   |                             |           |            |        |
| More accounts for you to share with your family with a single subscription.         |                             | -         | -          | ✓      |
| Number of accounts  |                             | -         | 1          | 6      |
| Number of devices   |                             | -         | 5          | 30     |





# Comparison table - Essential vs. Paid | 🤖 Android

| Device protection  | Essential | Individual | Family |
|--|-----------|------------|--------|
|  File Shield                      | ✓         | ✓          | ✓      |
|  Virus Cleaner                    | ✓         | ✓          | ✓      |
|  Web Shield                       | ✓         | ✓          | ✓      |
|  App Shield                       | ✓         | ✓          | ✓      |
|  Scan Center                      | ✓         | ✓          | ✓      |
|  <b>NEW</b> Scam Protection      | -         | ✓          | ✓      |
|  <b>NEW</b> Online Safety Score | ✓         | ✓          | ✓      |

| Secure connection  | Essential                 | Individual                                     | Family   |
|--|---------------------------|--|--|
|  VPN                | ✓                         | ✓  | ✓  |
|  Traffic            | 5 GB / week<br>1 location | Unlimited data<br>55 locations<br>34 countries | Unlimited data<br>55 locations<br>34 countries |
|  Multiple Locations | -                         | ✓  | ✓  |
|  Wi-Fi Scanner      | ✓                         | ✓  | ✓  |

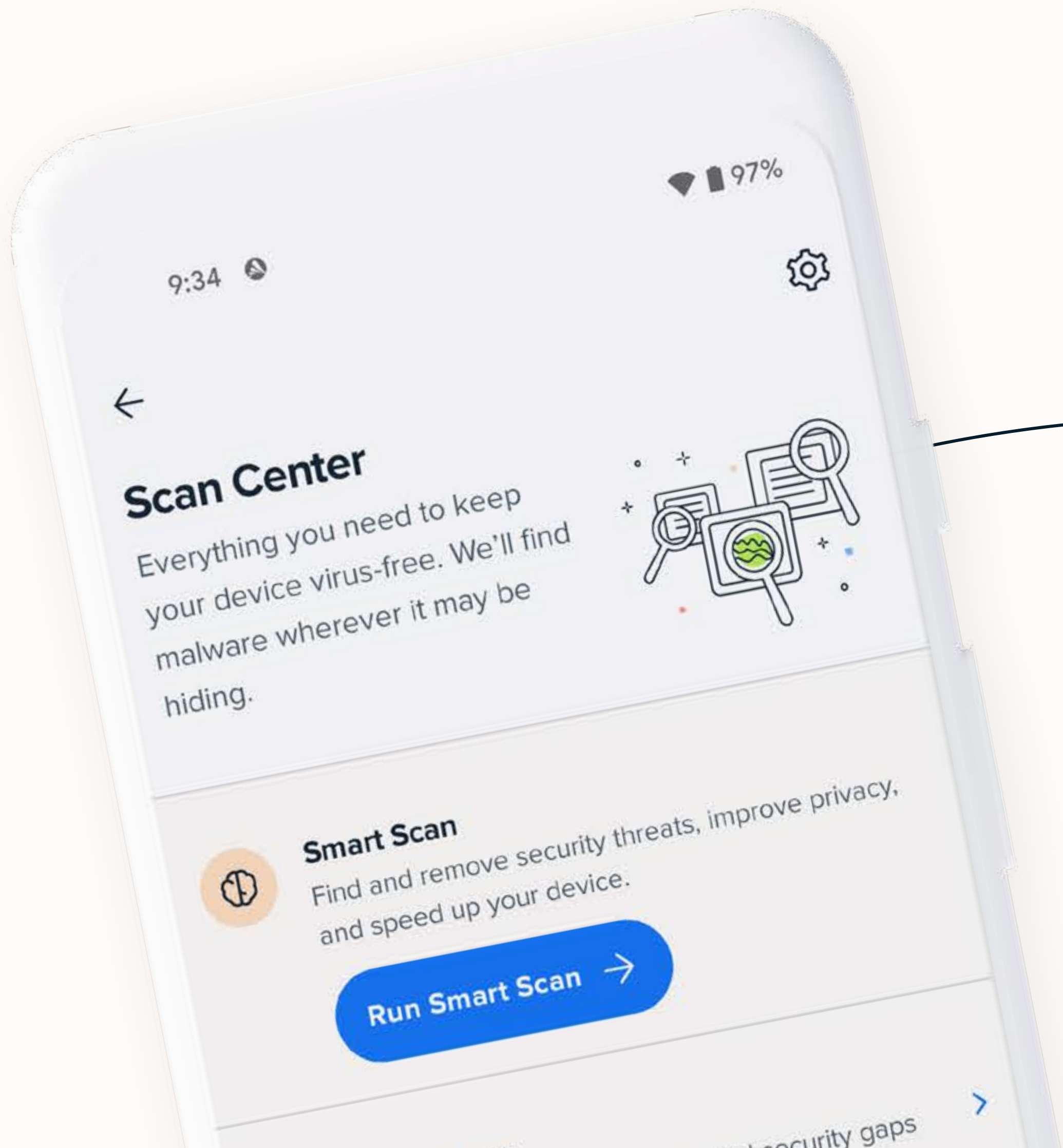
| Personal identity  | Essential                 | Individual            | Family                |
|--|---------------------------|-----------------------|-----------------------|
|  Data Breach Scan       | ✓                         | ✓                     | ✓                     |
|  Data Breach Monitoring | -                         | ✓                     | ✓                     |
|  | 1 account-<br>login email | Unlimited<br>accounts | Unlimited<br>accounts |

| Smooth performance  | Essential | Individual | Family    |
|---|-----------|------------|-----------|
|  Junk Cleaner    | ✓         | ✓          | ✓         |
|   | Manual    | Automatic  | Automatic |
|  App Hibernation | ✓         | ✓          | ✓         |

### Family sharing


More accounts for you to share with your family with a single subscription.




|                    |   |    |
|--------------------|---|----|
| Number of accounts | 1 | 6  |
| Number of devices  | 5 | 30 |








# Comparison table - Essential vs. Paid | iOS

| Device protection  | Essential | Individual | Family |
|--|-----------|------------|--------|
|  Web Shield | ✓         | ✓          | ✓      |

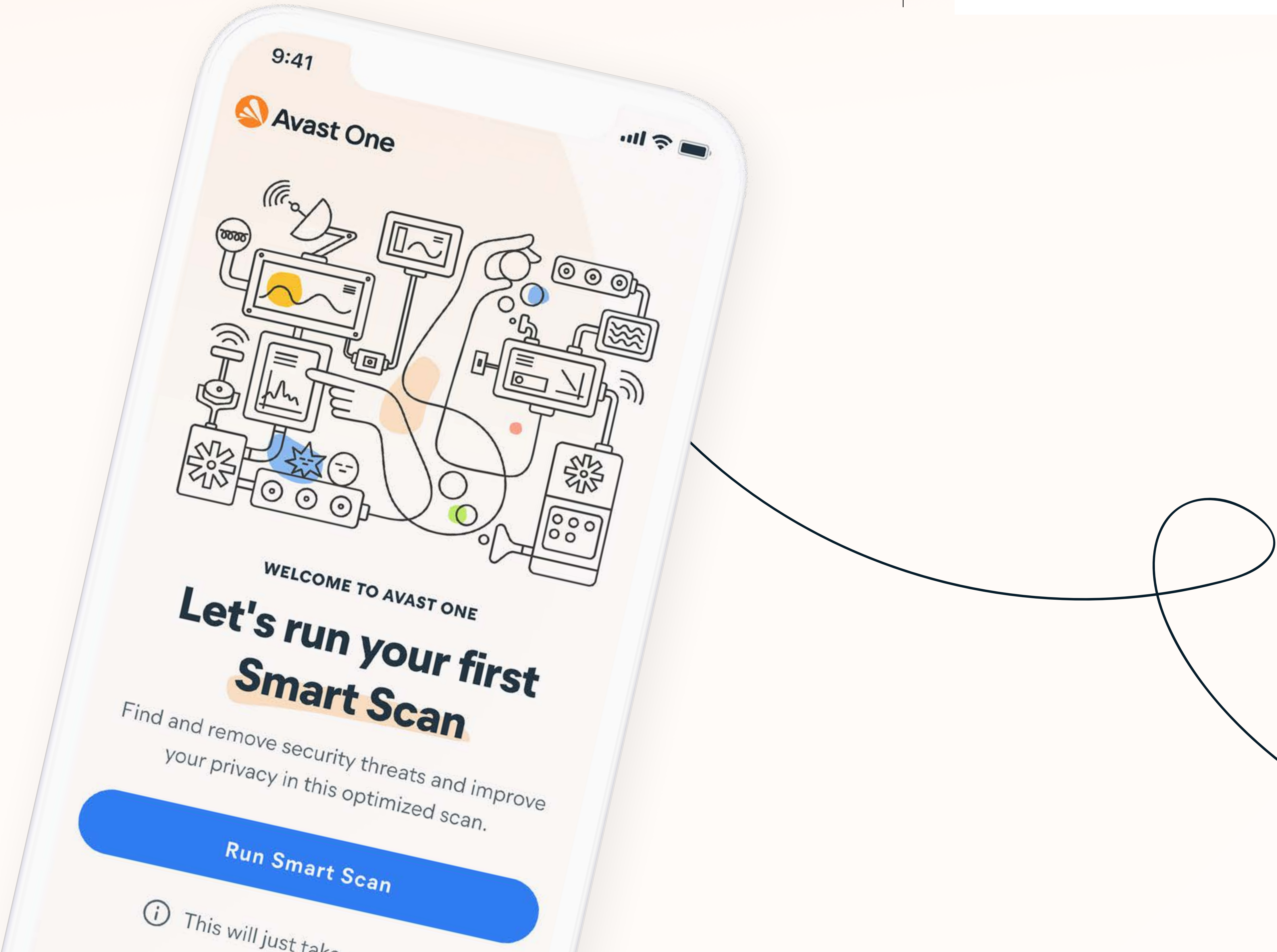
| Secure connection  | Essential                 | Individual                                     | Family   |
|--|---------------------------|--|--|
|  VPN                | ✓                         | ✓  | ✓  |
|  Traffic            | 5 GB / week<br>1 location | Unlimited data<br>55 locations<br>34 countries | Unlimited data<br>55 locations<br>34 countries |
|  Multiple Locations | -                         | ✓  | ✓  |

| Smooth performance   | Essential                 | Individual            | Family                |
|--|---------------------------|-----------------------|-----------------------|
|  Data Breach Scan       | ✓                         | ✓                     | ✓                     |
|  Data Breach Monitoring | -                         | ✓                     | ✓                     |
|  | 1 account-<br>login email | Unlimited<br>accounts | Unlimited<br>accounts |
|  Photo Vault            | Limited<br>40 photos      | ✓                     | ✓                     |

## Family sharing

More accounts for you to share with your family with a single subscription.

|                    |   |   |    |
|--------------------|---|---|----|
|                    | - | - | ✓  |
| Number of accounts | - | 1 | 6  |
| Number of devices  | - | 5 | 30 |





# Windows





# Windows

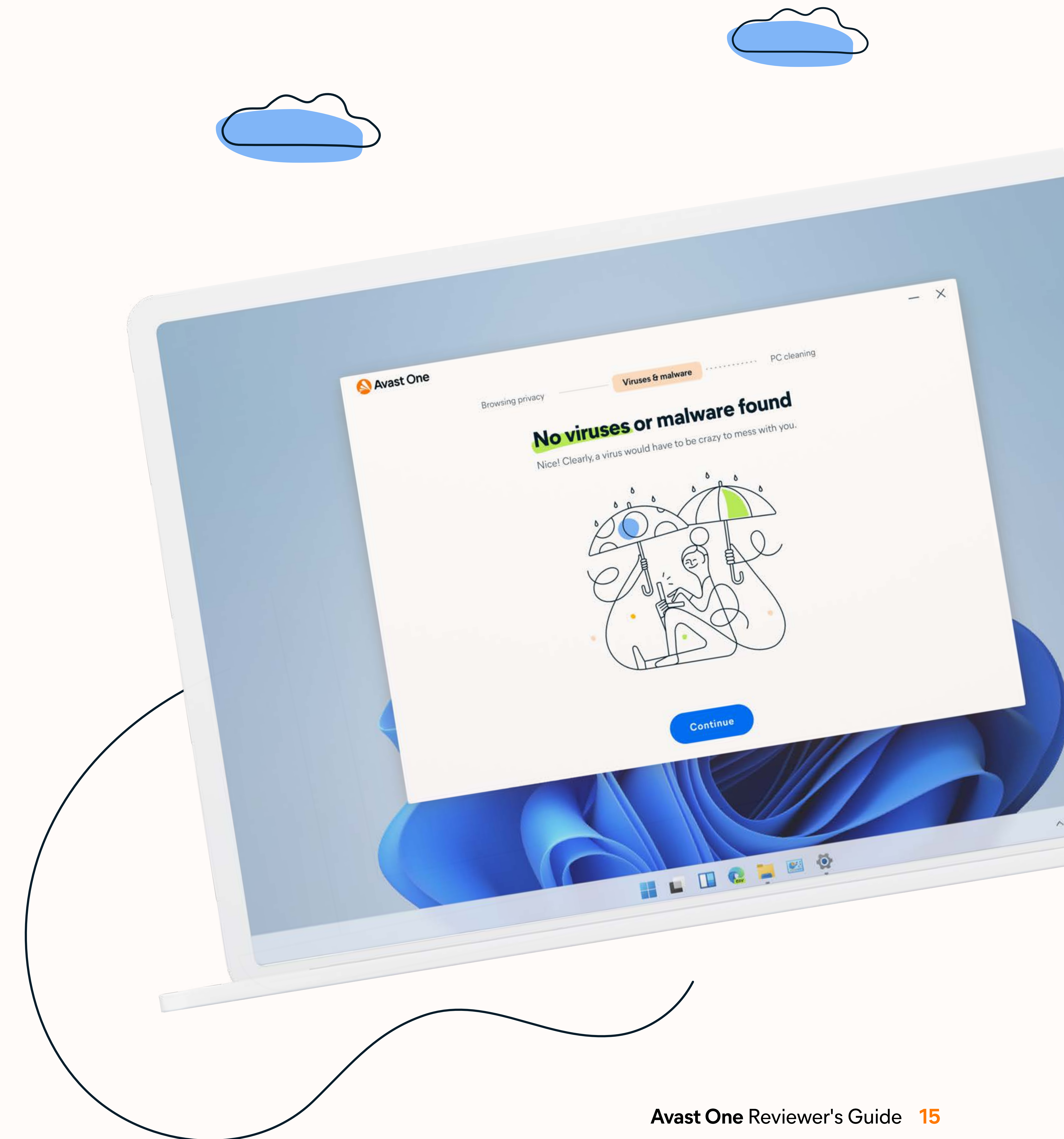
In 2022 and beyond, users need far more than an antivirus.

Attacks on PCs have reached record highs in 2021, growing ever more diverse with ransomware and tech support scams. VPNs have become a requirement for browsing the web safely and restriction-free. On top of staying private and secure, users care about the health and performance of their device.

Avast One is Avast's response to this changing landscape, combining best-in-breed technology. Based on Avast's six proprietary detection engines and massive threat detection network which is among the most advanced in the world, Avast detects and stops threats in real time.

Machine learning and artificial intelligence technologies leverage insights of hundreds of millions of endpoints to help Avast improve the detection rates 24/7.

Avast's antivirus is certified as top performing protection by leading independent testing institutions AV-TEST, AV-Comparatives, AVLab, as well as SE Labs, whose tests are certified by the Anti-Malware Testing Standards Organization, AMTSO. An advanced VPN, ransomware protection, and Avast's web shield keep each user safe and private while Avast's patented PC Speedup and cleaning engines help keep PCs fast and healthy.





# Windows

Avast One provides a personalized experience.

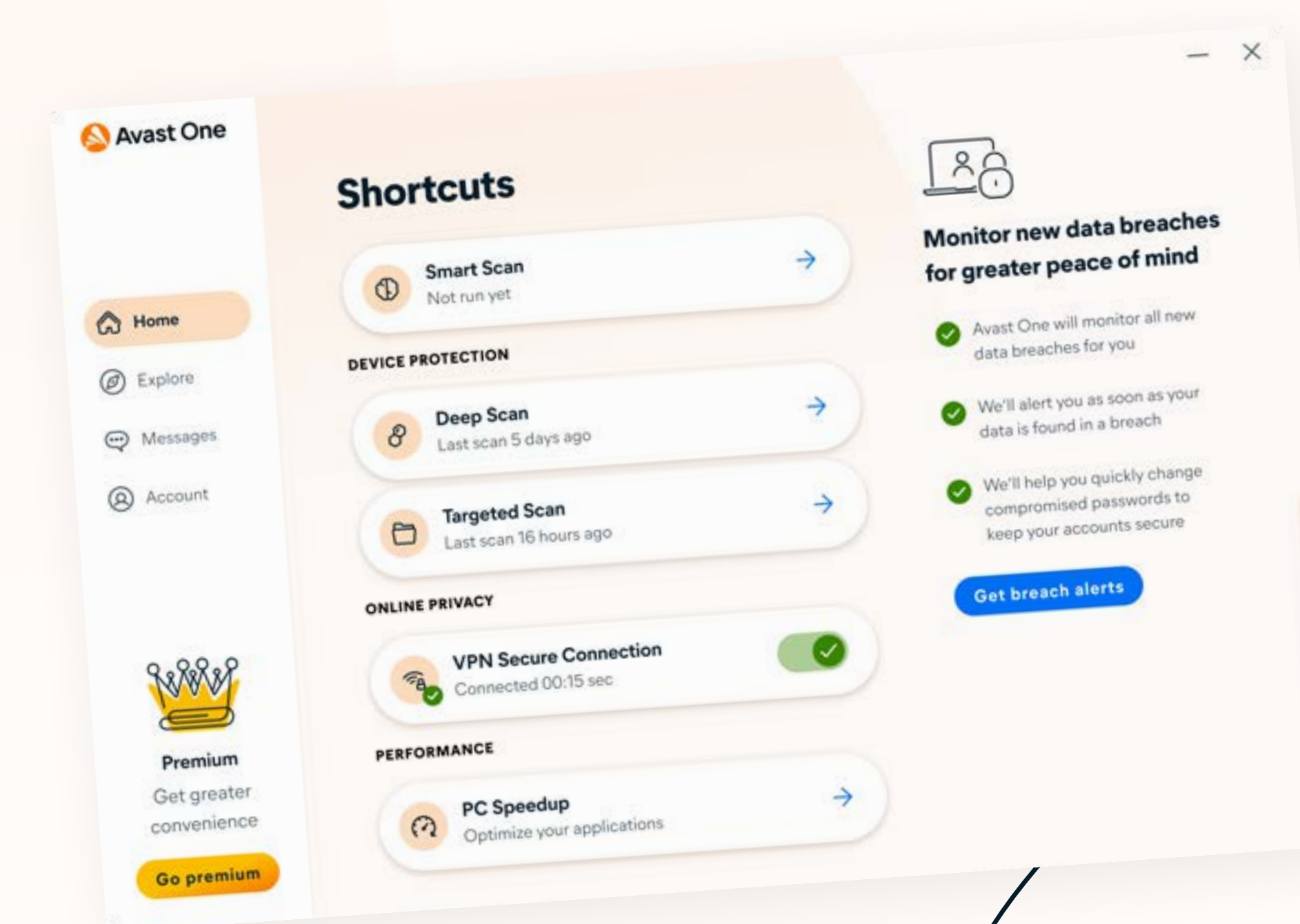
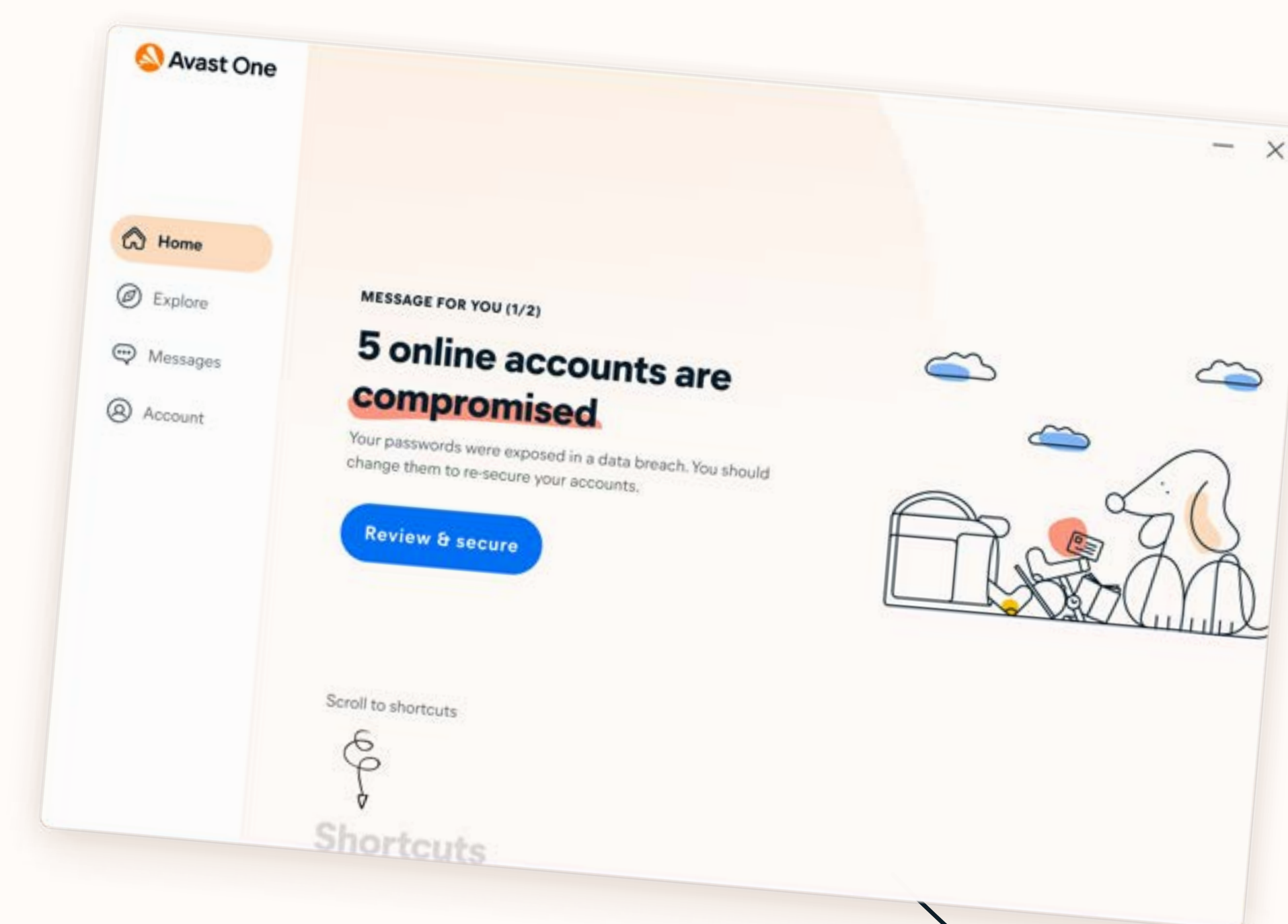
Avast's vision is to rethink the all-in-one user experience, making it simple for beginners and more powerful for advanced users. In one glance users see if there is anything to secure or improve — and allows them to do it with one click, or will step in automatically to defeat immediate threats or solve issues.

Diving deeper, advanced users can explore dozens of powerful features to further lock down, secure, or optimize their system more than ever before. Here is what Avast has done to go beyond antivirus and deliver a next generation integrated protection, privacy, and performance service.



## Personalized dashboard

Avast One's dashboard is tailored to the user's digital experience. Recommendations, critical messages, and tips appear when users need them most. It's our idea to show users at a glance if their PC is secure, private, and healthy, with a personalized overview that saves people time, and reduces distracting pop-up messages.



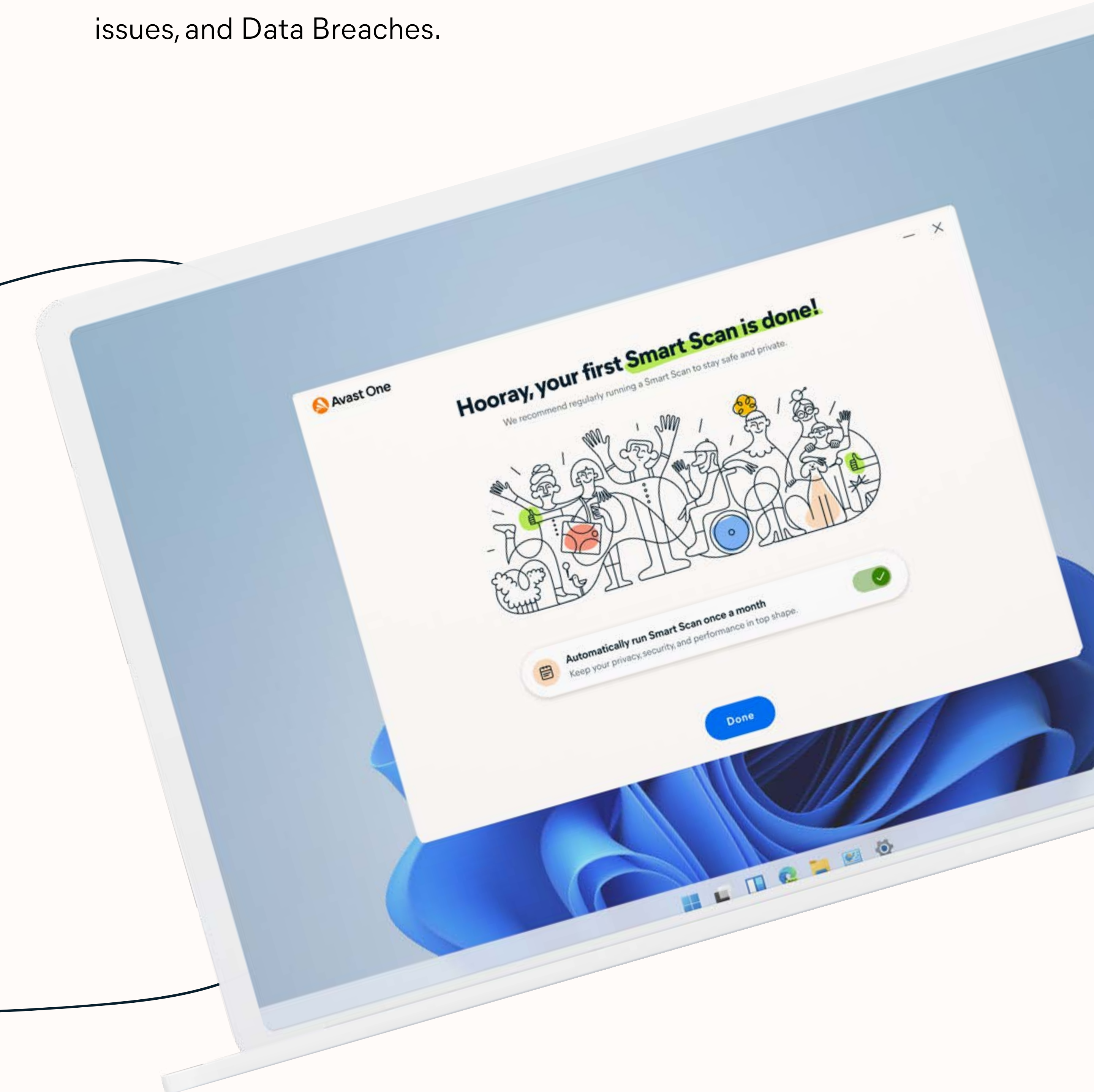
## ⚡ Shortcuts

Users can scroll down to find 1-click-actions to quickly enable VPN, clean up their PC, or start a Deep Scan of their PC. Over time, Avast will add more shortcuts and allow users to customize their own.



## Smart Scan

For over a decade, Avast's Smart Scan has been the most used and loved feature of Avast Antivirus. The next-generation Smart Scan included in Avast One covers even more areas of the PC, including Junk cleaning, performance issues, and Data Breaches.





# Do Windows 10 or 11 need Avast One?

Yes, both Windows 10 and the upcoming Windows 11 need an all-round protection service, which Avast One provides.

Avast One goes beyond malware and viruses, guarding people against a full range of cyberthreats to their security and privacy. Avast One even helps improve the performance of a PC. These are the top three reasons why users need Avast One even on future **Windows versions**:

## 1 Comprehensive privacy protection

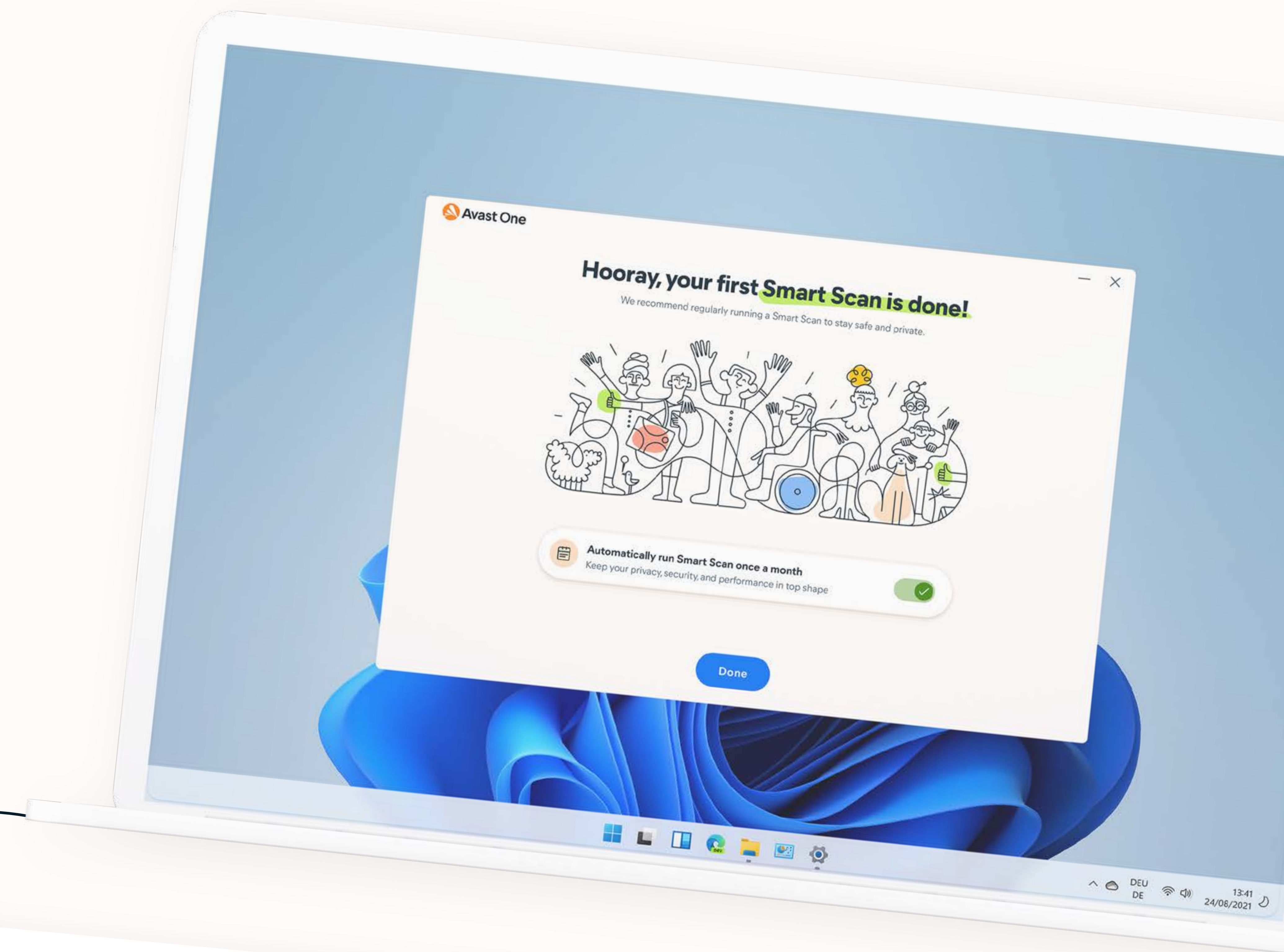
In addition to malware protection, Avast One comes with a privacy protection suite which gets rid of tracking cookies, monitors for compromised accounts with data leak monitoring, and protects passwords stored in the browser.

## 2 Advanced VPN

Avast One also includes a full VPN solution which protects people's web traffic, and allows people to access content in their home country while traveling abroad.

## 3 Live performance optimization

Going beyond security and privacy, Avast One features a patented performance optimization technology called PC Speedup, which stops the slowdown that occurs through third-party applications. It also comes with a tested Disk Cleaner as well as a Software and Driver Updater, closing security loopholes, and making it run faster, longer, and be more stable.





# Protection | Avast One Essential (FREE)

Avast One Essential protection features cover not just the latest malware, but also create an additional shield against ransomware and tracking cookies.

## File Shield

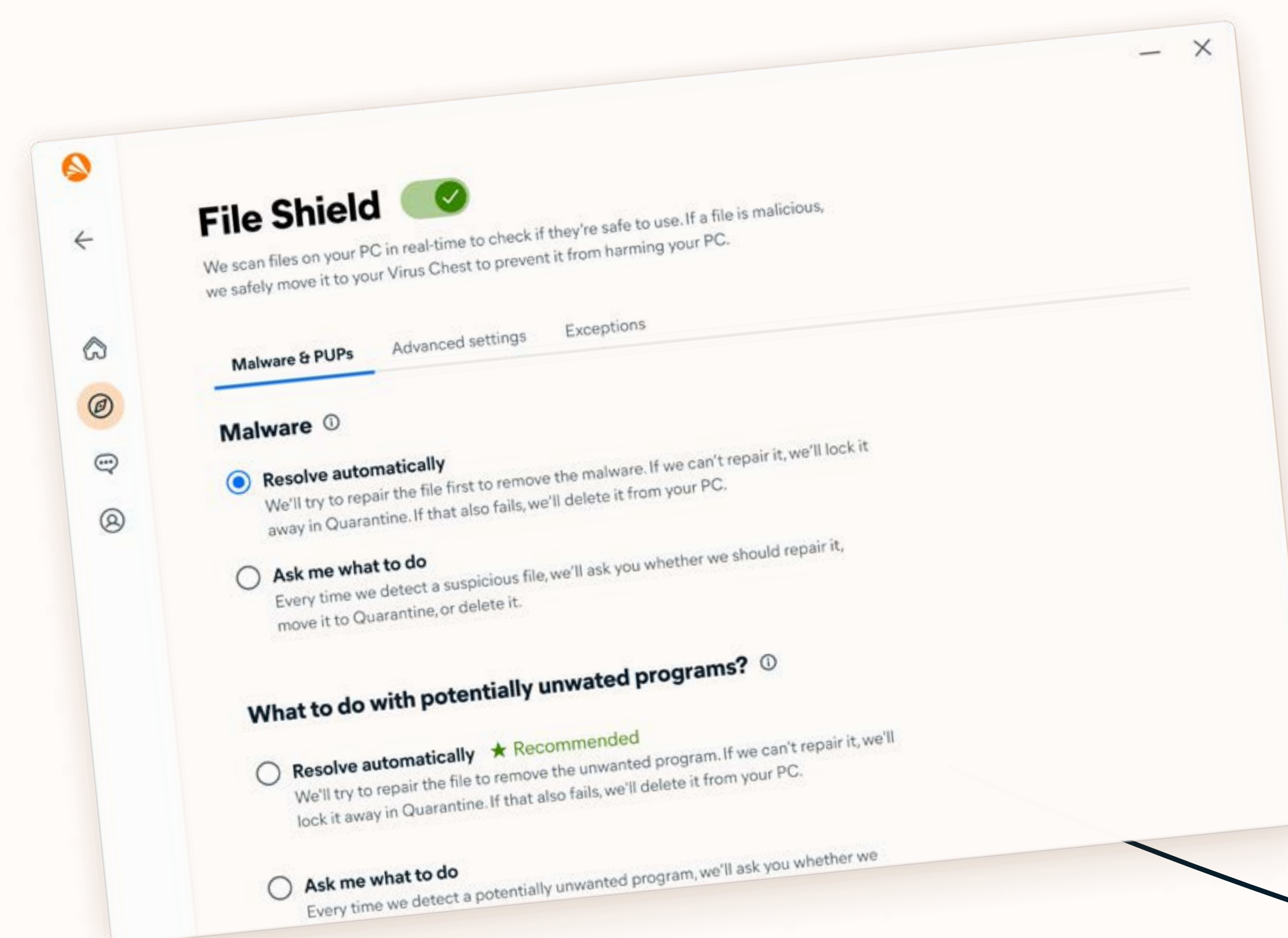
Avast One's lightweight, live File Shield actively scans for threats within all programs and files on the hard drive as they are opened, run, modified, and saved.

If malware is detected, File Shield prevents the program or file from infecting people's PC. If it's infected, it tries to repair the file so people can safely use it. If that's not possible, then File Shield will move it to quarantine or let the user delete it. File Shield also blocks potentially unwanted programs. These are apps mostly designed to trick you into subscribing to unnecessary products, or even scam you. In some cases, these apps get sideloaded with other (legitimate) software you want to install.

## Behavior Shield

Behavior Shield, part of File Shield, monitors all the programs that are currently running on a PC, and carefully observes their behavior. Behavior Shield does not 'watch' what the user is doing, only what the software itself is trying to accomplish.

If it notices something that is uncharacteristic for that program type (for example, a PDF reader program trying to download something from the web), Behavior Shield is triggered, stops the action, and reports the behavior to the user — preventing malicious programs from becoming deeply entrenched in a PC. Any undiscovered threats will then be reported and added to our ever-expanding threat database. Users can add programs they trust and Behavior Shield will leave these unsupervised. Information on trusted programs is fed into Avast's extensive cloud base.



## Ransomware Shield

Ransomware is a type of malware, or malicious software, that takes files — and sometimes entire computers or mobile devices — hostage. Besides Avast's threat detection engine which protects users from ransomware, Ransomware Shield gives users the option to select individual files and folders to be protected by an additional layer of security. The feature then monitors which applications try to access the selected files, and if an application wants access that could allow altering the files, Avast verifies the application first, before allowing this. To do so, Avast checks if the program trying to access the files is marked as clean in the Avast cloud.

Avast also checks the digital signature of the program, and if it tries to inject code. This way, the user is protected from various types of ransomware including screen lockers, doxxing, and file-coders. Ransomware Shield stops both ransomware and untrusted apps from changing, deleting, or encrypting all the user's files, documents and photos.





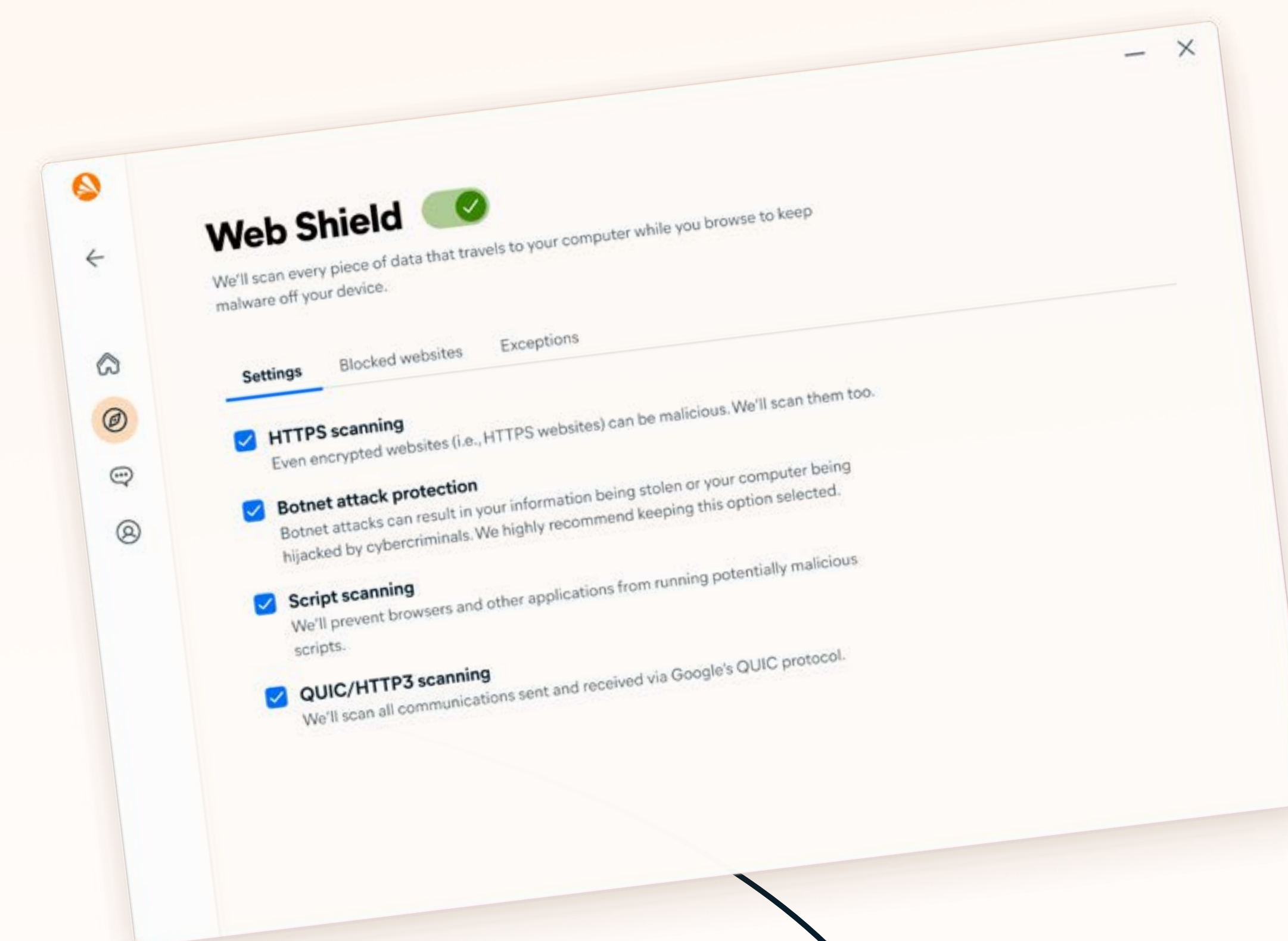
# Protection | Avast One Essential (FREE)

## Web Shield

As more and more online services are moving to HTTPS by default, or even HTTPS-exclusive, hackers are increasingly targeting these sites. Web Shield scans HTTPS sites for malware, and verifies website certificates. HTTPS scanning detects and decrypts TLS/ SSL-protected traffic and checks it for malware, spyware, malicious scripts and other threats. Additionally, this feature adds compatibility for SPDY+HTTPS/ HTTP 2.0 and QUIC traffic.

In other words, Avast checks HTTPS sites without disrupting users' browsing experience. Also included in Web Shield is Avast's Script Scanning mechanism that prevents browsers and other applications from running potentially malicious scripts, including remote threats from the web, and outside sources. Script Scanning protects users from websites that contain malicious code, such as technical support scam sites.

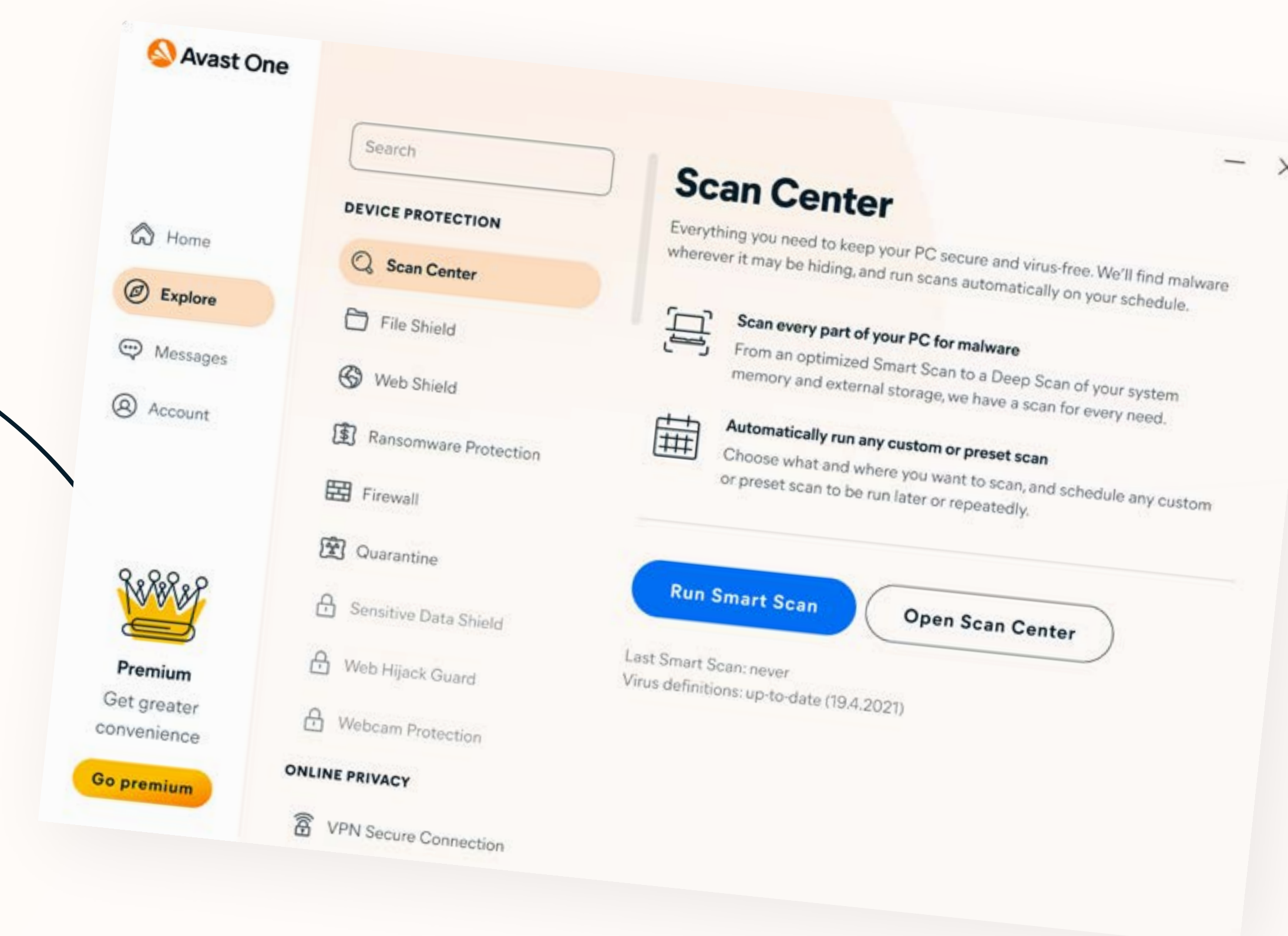
On top, Avast has added protection against botnet attacks, preventing PCs from being hijacked and being used as part of global botnets. It blocks malware communication with their Command & Control (C&C) servers, which will break the functionality of such malware. Avast also prevents exfiltration attempts, meaning when malware is trying to send sensitive pieces of information back to a malware server, this is blocked. Once Avast detects such an attempt, the software kills and deletes the process on the user's machine.



## Scan Center

Scan Center allows the user to go deeper and run a full PC Scan, top to bottom. The user can also run a boot-time scan to detect boot sector viruses and get rid of them before they can do any harm.

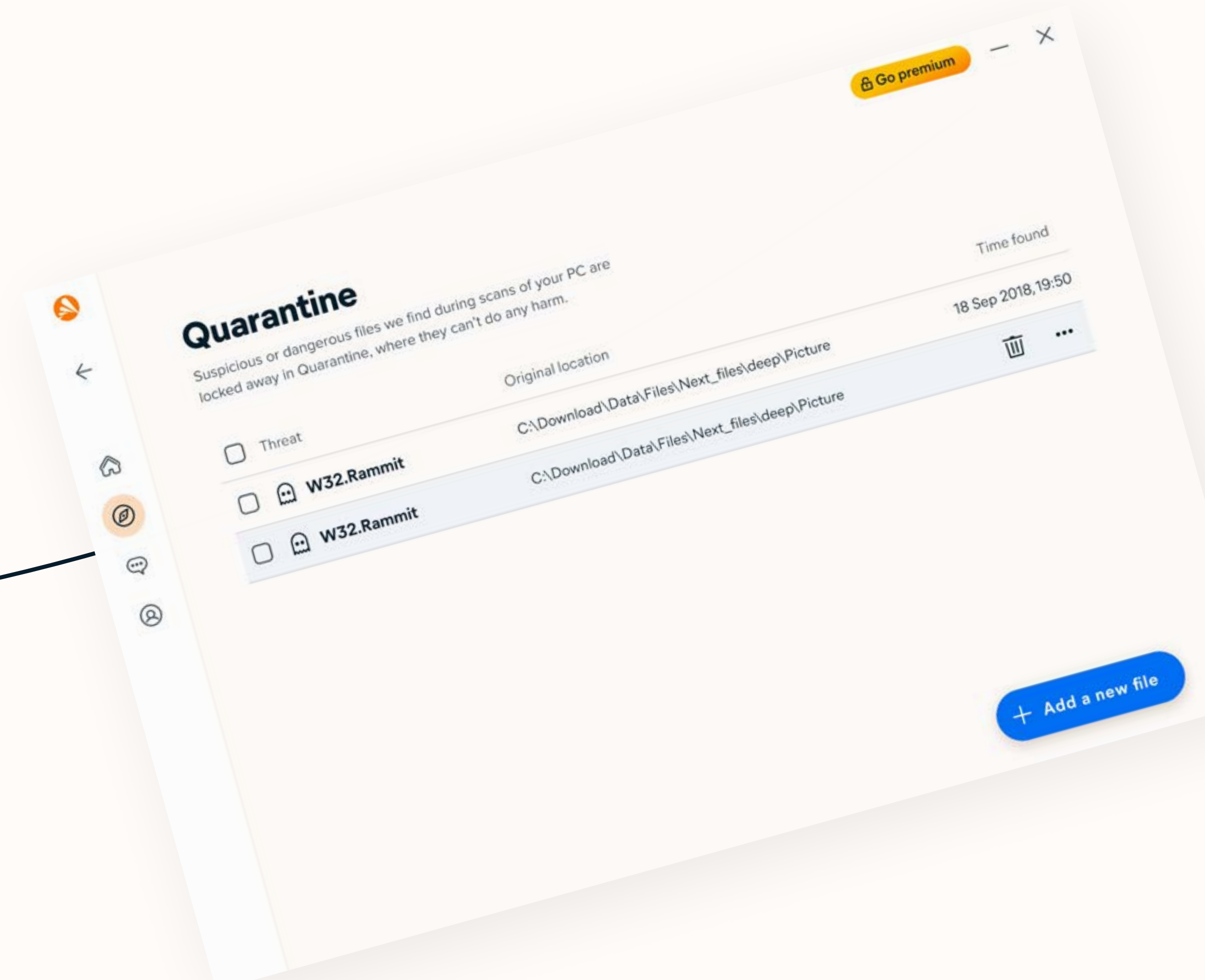
The targeted scan lets the user scan specific sections of their hard drive on a regular schedule.



## Quarantine

Quarantine works to isolate potentially dangerous files or sends them to the Avast Threat Labs for analysis.

Files in Quarantine cannot run or access the computer system and data, so any malicious code contained within a file is unable to harm the PC.





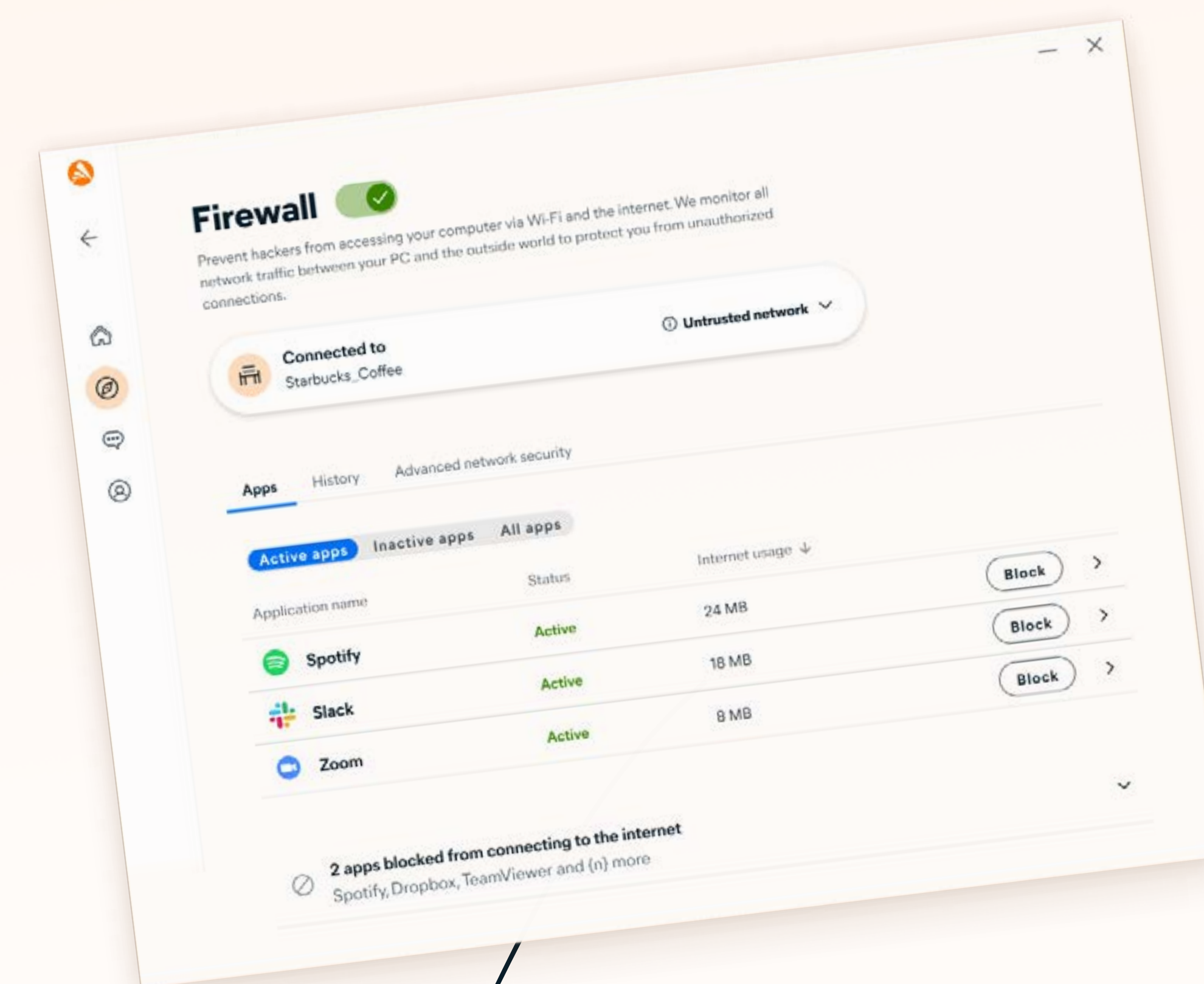
# Protection | Avast One Essential (FREE)

## Firewall

Avast Firewall offers strong outbound protection and configurability, while remaining invisible to the user. When set to ‘Public Network’ mode, Avast Firewall protects the user’s privacy by blocking all incoming connections from the network, preventing sensitive data leaks and traffic-stealing attacks. It also allows the user to easily control both inbound and outbound traffic.

Avast Firewall monitors all network traffic between the PC and the outside world to protect users from unauthorized communication and intrusions. This feature is designed to require minimal input from the user.

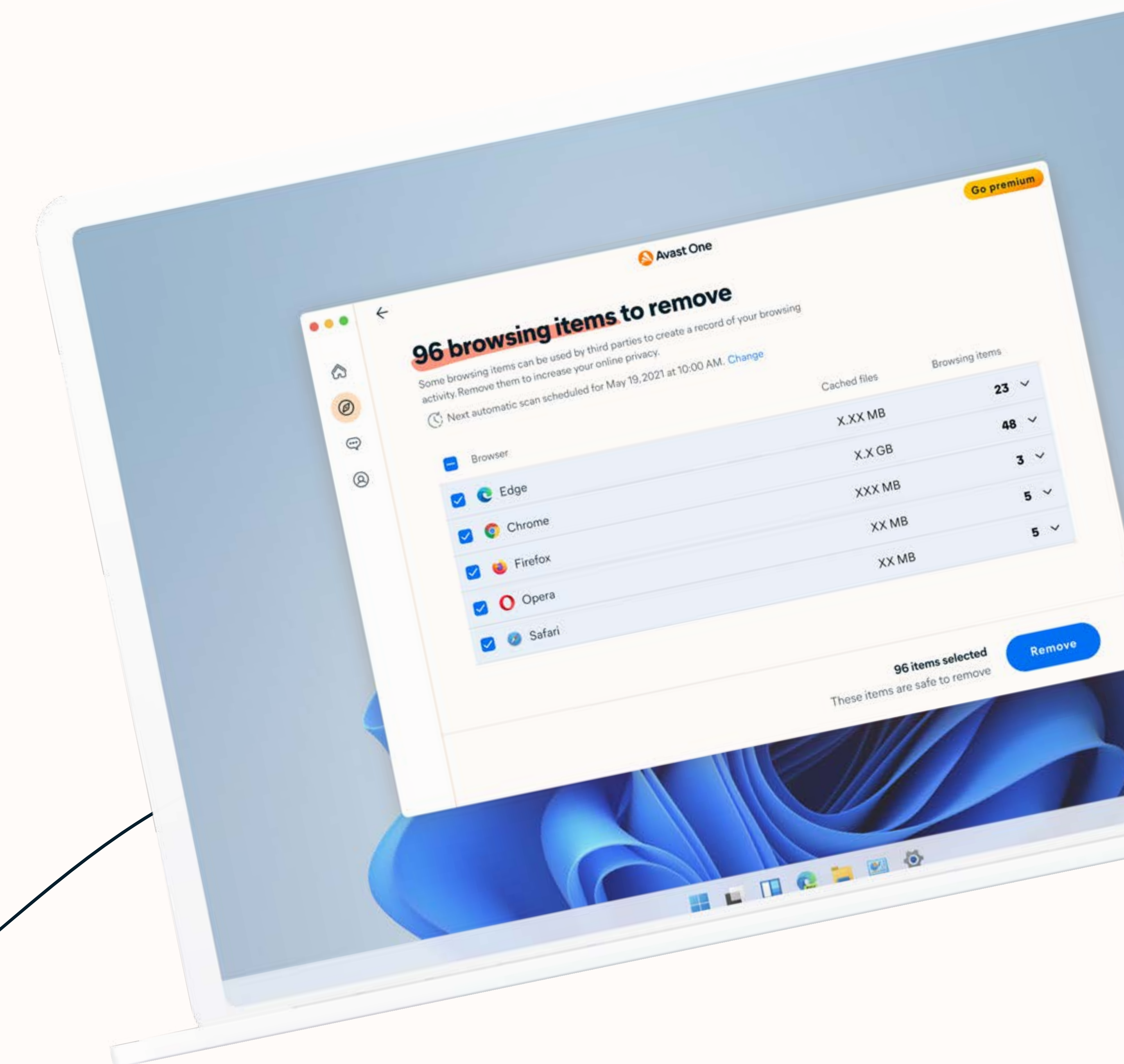
To ensure the user is protected, all they need to do is keep the Firewall enabled and, when prompted, select the appropriate Firewall profile for each network they connect to. Users can choose between a private and a public network. If the user selects Public, no one on the same network will be able to access shared folders or devices. Users will also be able to check the actual internet traffic per app to detect apps that consume a lot of bandwidth:



## Browser Cleanup

Browser Cleanup cleans users’ browser history, cached images, cookies, and other junk with just one click, to help keep their activity private and free up disk space.

Browser Cleanup supports all the latest browsers including Edge (Chromium), Firefox, Safari and Chrome and removes more than the built-in cleaning solutions, such as infamous tracking cookies.





# Protection | Avast One Essential (FREE)



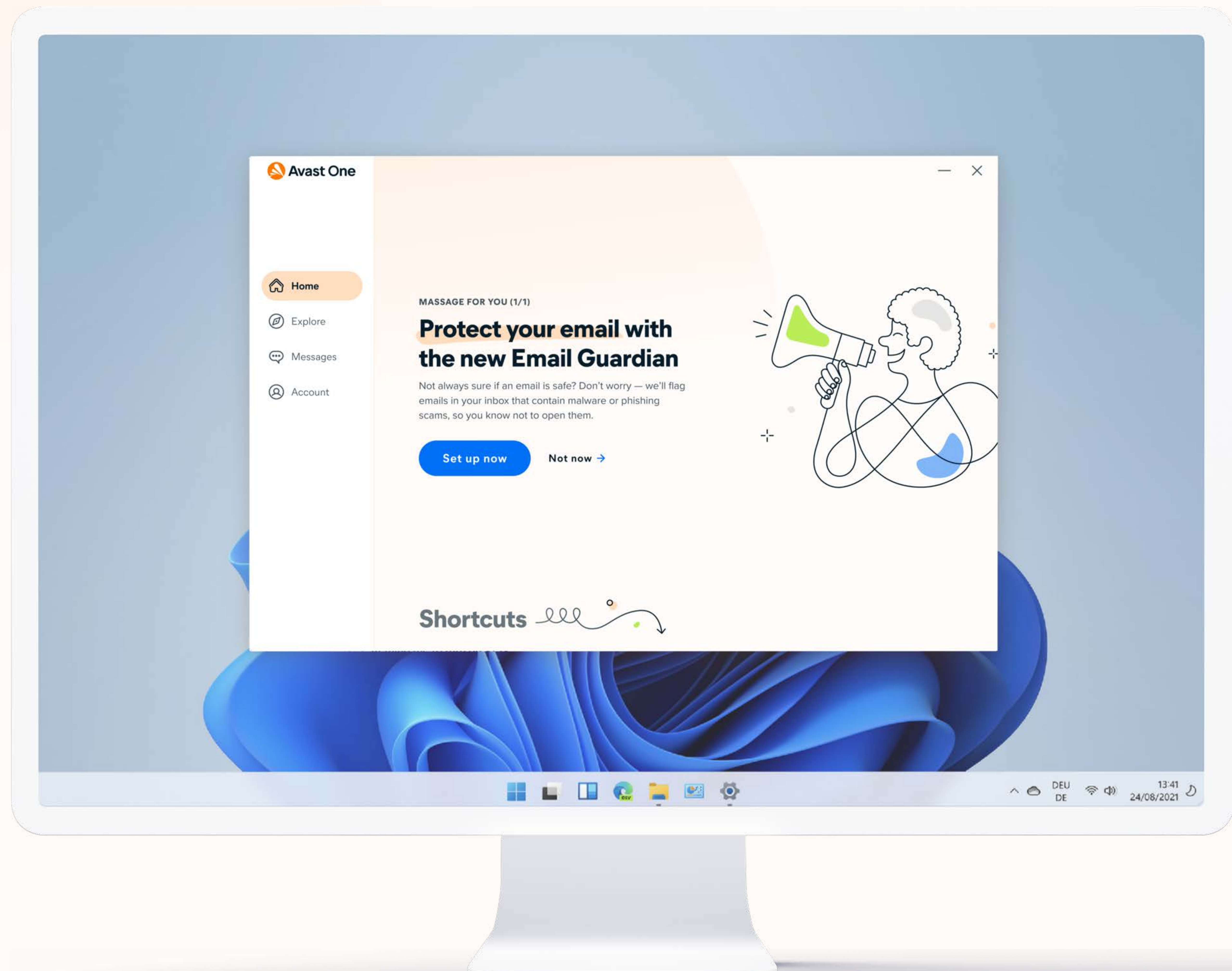
## NEW Email Guardian

Email Guardian blocks malicious attachments to emails received in dedicated email apps installed on the desktop, and prevents the user from sending malicious attachments to others. When a malicious attachment is detected, an alert will be displayed. The file can still be downloaded if the user chooses to trust the file.



## NEW Online Safety Score

Online Safety Score gives the user regular feedback on their digital habits as well as personalized tips on how to improve their online and device safety. The score is calculated by analyzing the cyber hygiene of four areas on Windows: if the operating system is up to date with the latest patches and security fixes, are the applications and programs on the device up to date, is the user visiting websites that are risky for security and privacy, and is the user using security settings such as antivirus shields and firewall. The safer the device, the higher the score.



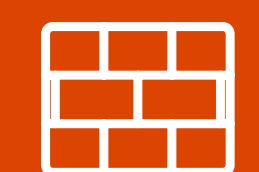


# Protection | Avast One Individual/Family (PAID)



## Webcam Protection

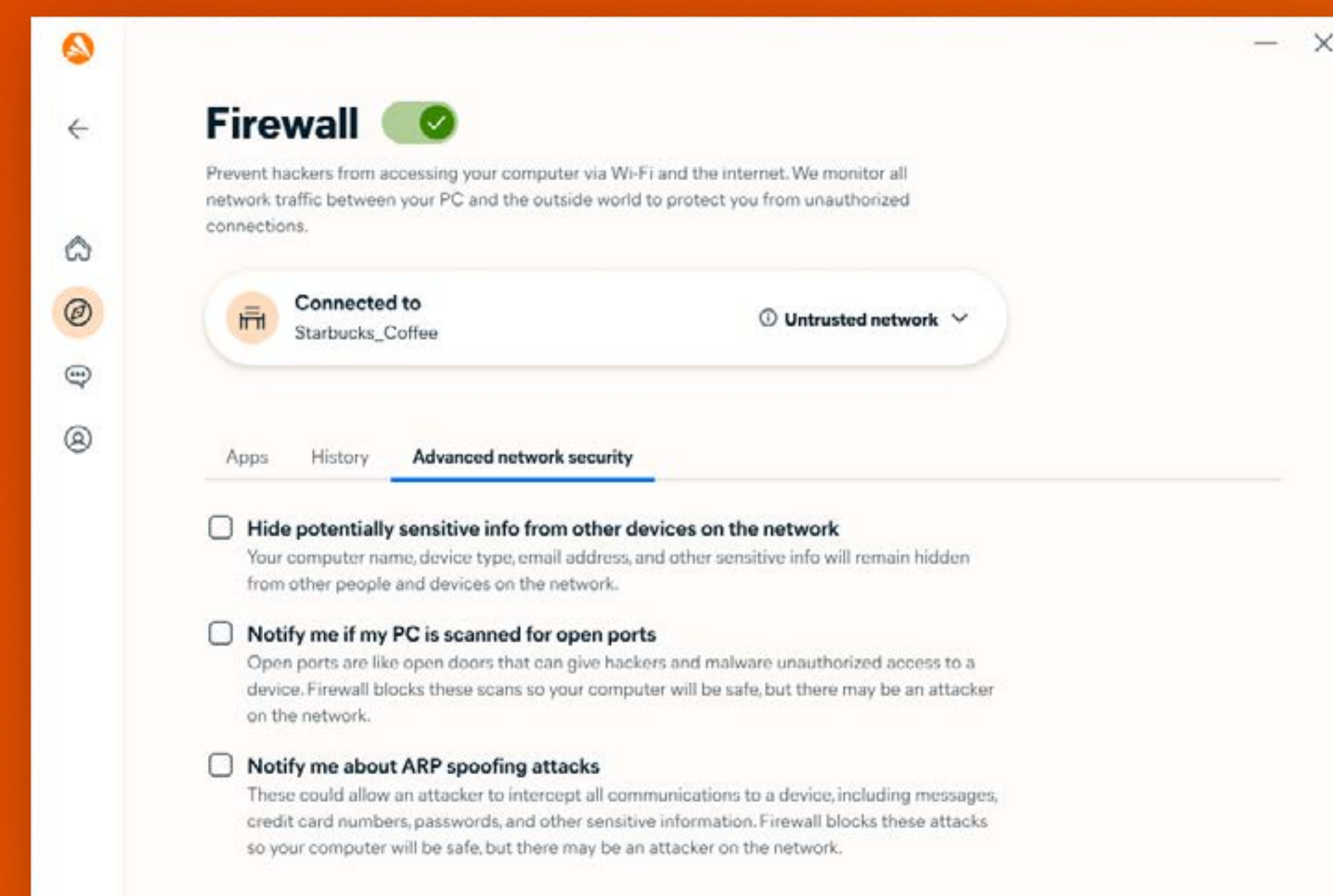
Webcam Protection blocks untrusted apps from hijacking the webcam to spy on users and their families. When selected in settings, Webcam Protection can ensure that all apps, regardless of whether they are malicious or not, ask for permission before accessing the webcam.



## Advanced Firewall

Avast One's paid Firewall hides many identifiers of the user's PC from other devices on the network, such as its name, type, and email address.

In addition, Avast One will notify the user the moment other devices scan the PC for open ports. Avast One will also inform users about Address Resolution Protocol (ARP) spoofing attacks: ARP spoofing lets a hacker infiltrate a local network (LAN) by masking their computer as a network member. Cybercriminals use ARP spoofing to steal information with man-in-the-middle attacks, where a hacker intercepts a conversation and impersonates both participants to collect the information being transmitted.



## Web Hijack Guard

Fake banking and shopping sites rank among the biggest threats online, causing losses of hundreds of millions every year. This is often caused by DNS hijacking: Malware exploits vulnerabilities in a user's router and surreptitiously redirects them away to a rogue Domain Name Server (DNS).

Therefore, the user no longer visits their intended destination, such as their bank's website, but instead ends up on a fake site that looks just like the real thing. When the user tries to log in, thieves capture the user's login details and then use them to access the real site. Web Hijack Guard encrypts the traffic between an Avast-protected device and Avast's own DNS server, to ensure users access the right sites.



## Sensitive Data Shield

Sensitive Data Shield provides an extra layer of spyware protection, beyond what the free Avast One Essential offers. It scans and protects the sensitive documents on the user's computer against unauthorized access and malware.

Sensitive Data Shield helps secure personal information by controlling which applications have access to sensitive documents. It works by scanning the user's computer for all popular document types (.pdf, .doc/.docx, .xlsx, ...) and then categorizing them into several categories (e.g. tax documents, payroll, airline tickets, etc.) based on keywords in the documents.

Avast One then offers the user to select those that should only be accessible by the PC's local user account. This scan is performed locally on the device, and Avast doesn't send anything back to its servers.



# Privacy

The internet provides many opportunities making our lives more convenient. However, many services are based on accessing user data, and often personal data gets stolen in data breaches, which leaves many users in uncertainty about the control they have over their own data. Avast One's comprehensive privacy features make sure that users are able to surf anonymously, wipe away traces they may leave behind, and keep their identity safe with a built-in VPN and multiple privacy features:

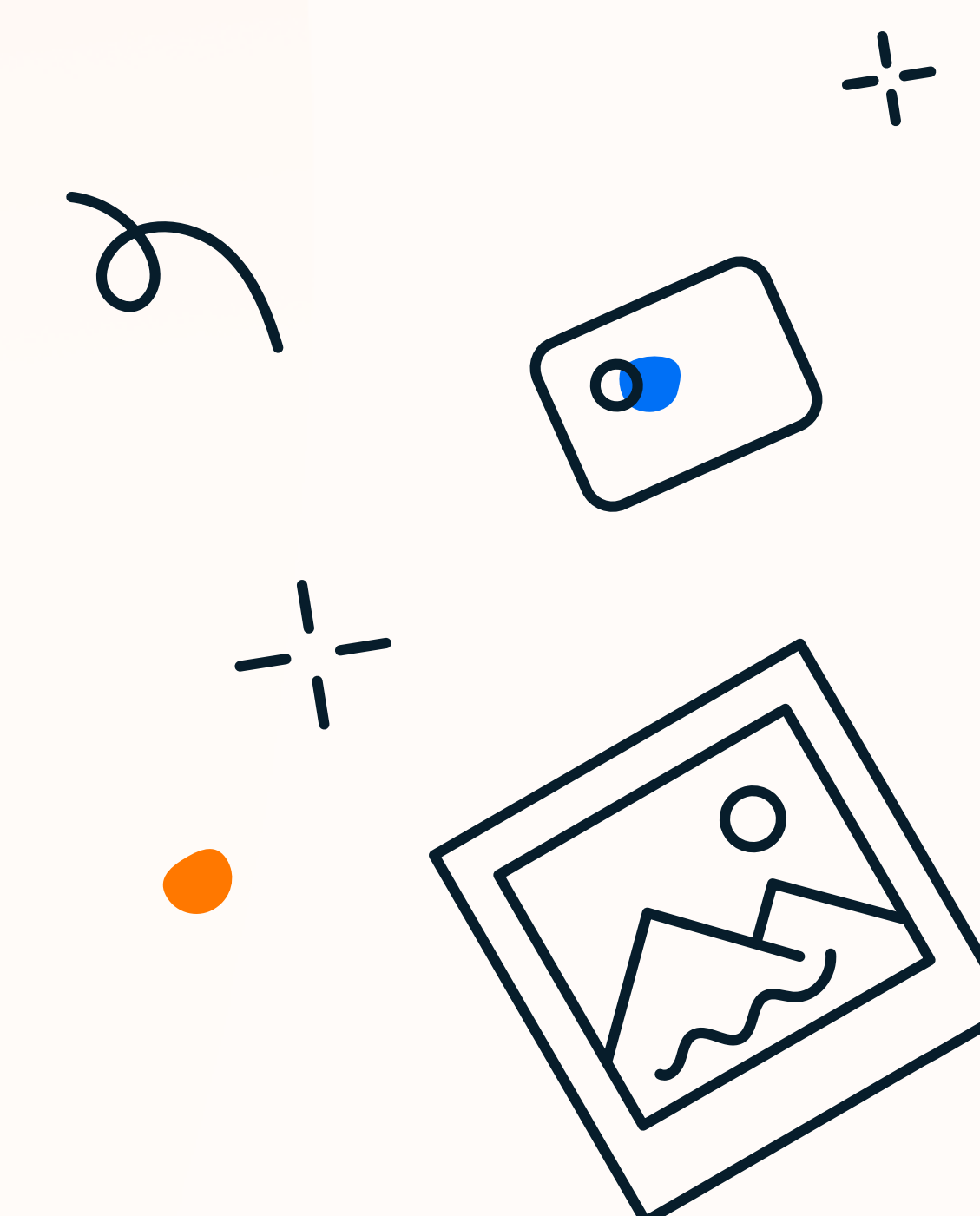
## VPN

Avast One Essential suite comes with a powerful VPN, helping users surf privately on public networks, avoid falling victim to malicious networks, third-party spying, and access content in their home country while traveling.

Avast One VPN is built on the most widely used and trusted protocol: OpenVPN. It is regarded as the most trusted protocol because it is open source. The VPN is paired with OpenSSL libraries, running everything over the UDP protocol for best connection speeds: The UDP protocol is used to transfer data packets to a designated address (similar to TCP).

However, unlike TCP, UDP does not wait for a receive acknowledgement, which makes it a lot faster.

If it is detected that the internet provider blocks UDP, Avast attempts a fallback to the TCP transport protocol, to circumvent the restriction.



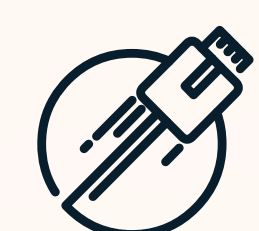


# VPN | Avast One Essential (FREE)



## VPN traffic

The VPN allows users to establish a secure connection with a 5GB/week traffic limit, a unique offering even in competitive VPN products.



## Automatic connection

Each time the user connects to an untrusted network, the VPN automatically turns on so the user always remains secure.



## Smart Hints

Smart Hints remind the user when they might need extra security and privacy. Based on their online behavior like connecting to an untrusted network, visiting a banking site, visiting a site with sensitive content, and more, Smart Hints suggests creating a secure VPN connection.



## Optimal location

Avast One's built-in VPN includes a handy Optimal Location setting. Once the user switches on the VPN, there's nothing else to set up: Avast VPN algorithms take into consideration server proximity to ensure the best performance, no matter where the user is — automatically.



## Infrastructure load balancing

All of the Avast VPN gateways run on dedicated hardware servers with enough excess capacity to maintain performance even under peak loads. Avast runs smart systems on top that automatically balance traffic across different servers to make sure none of them get overloaded, and all of them operate smoothly.



## 256-bit Advanced Encryption

Once the VPN is enabled, all traffic from the user to the server is being encrypted using AES 256-bit encryption, making it virtually uncrackable. It's the same encryption standard used by banks, credit card companies, and governments to protect their data.



## DNS leaks protection

DNS leaks could reveal a user's IP address by accidentally revealing the address to the ISP. A DNS leak refers to a security flaw that allows DNS requests to be revealed to ISP DNS servers, despite the use of a VPN service to attempt to conceal them. In such a case an ISP or other entities can see the apps used and the website a user visits.

Avast's extra layer makes sure that all DNS requests are encrypted on top. DNS requests are encrypted by Avast and sent to Avast secure DNS servers to protect users from possible DNS leaks that could reveal a real address. This ensures user privacy from an ISP and any other on-path eavesdropper.



## Location masking

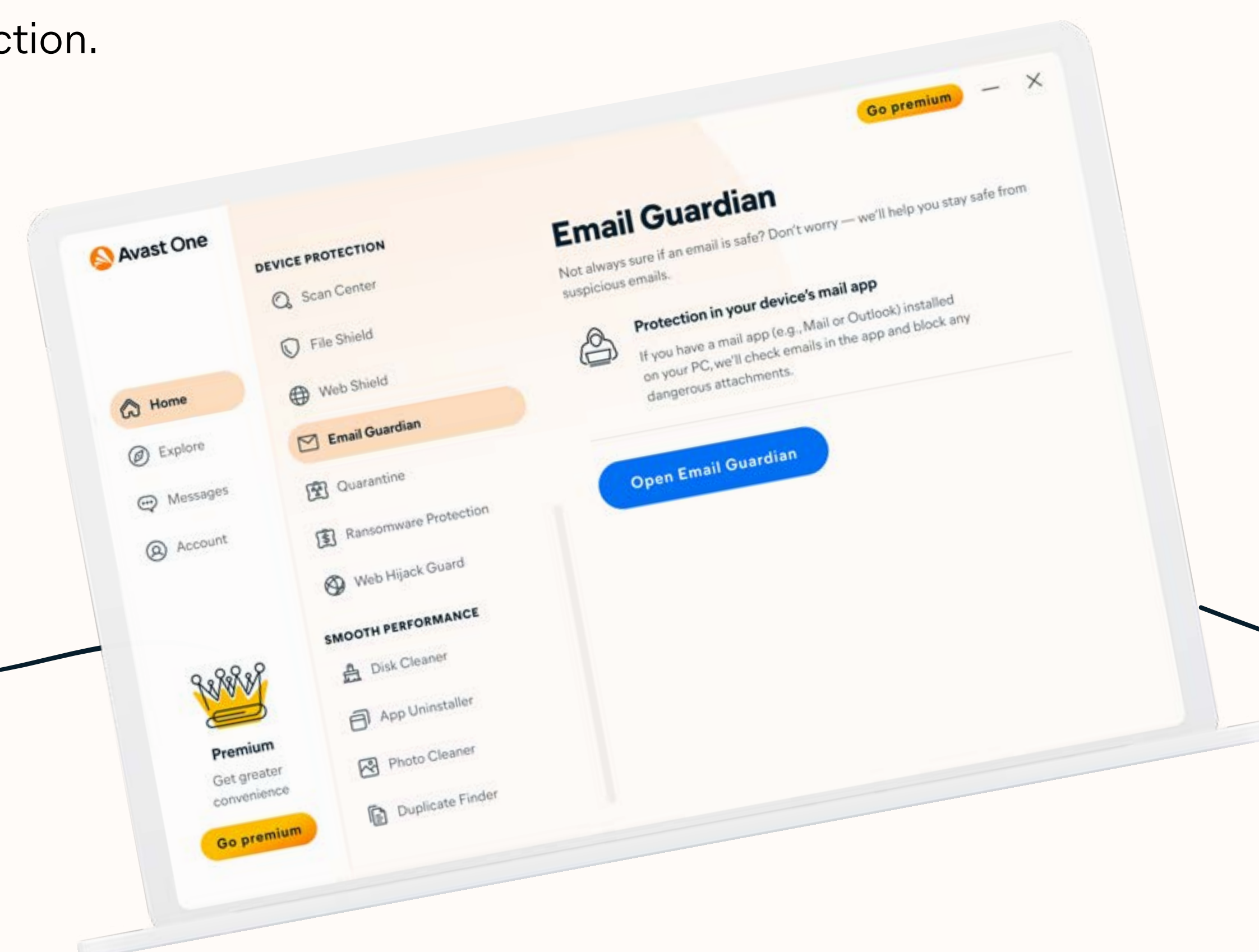
An IP address is one of the main ways advertisers, internet service providers and others keep track of users across the web. It can also reveal a user's real-world location.

Avast servers act as a mask that provides a new IP address, so the geographic location and thus your identity stays hidden.



## Single shared IP

Whenever connected to one of the Avast servers, the same IP address is revealed as others also are connected to it – making it that much harder for the traffic on that server to be associated with anyone. Sharing one's IP address with other people also makes it harder to profile an individual's online behavior.





# VPN | Avast One Individual/Family (PAID)

## VPN traffic

The premium version of the VPN comes with unlimited traffic for all use cases, including streaming and P2P activities. Users will not be throttled or cut even when using hundreds of gigabytes of traffic.

## Multiple locations

Premium users have the ability to freely switch between 54 locations, scattered over 34 countries, so they're able to access the content they want without any restrictions.

## Streaming servers

Avast runs servers optimized for streaming so the user can pick up their favorite TV shows right where they left off — stutter free. No trial and error to find them either: these streaming-friendly servers are marked out in the list of countries with the video icon.

## P2P support

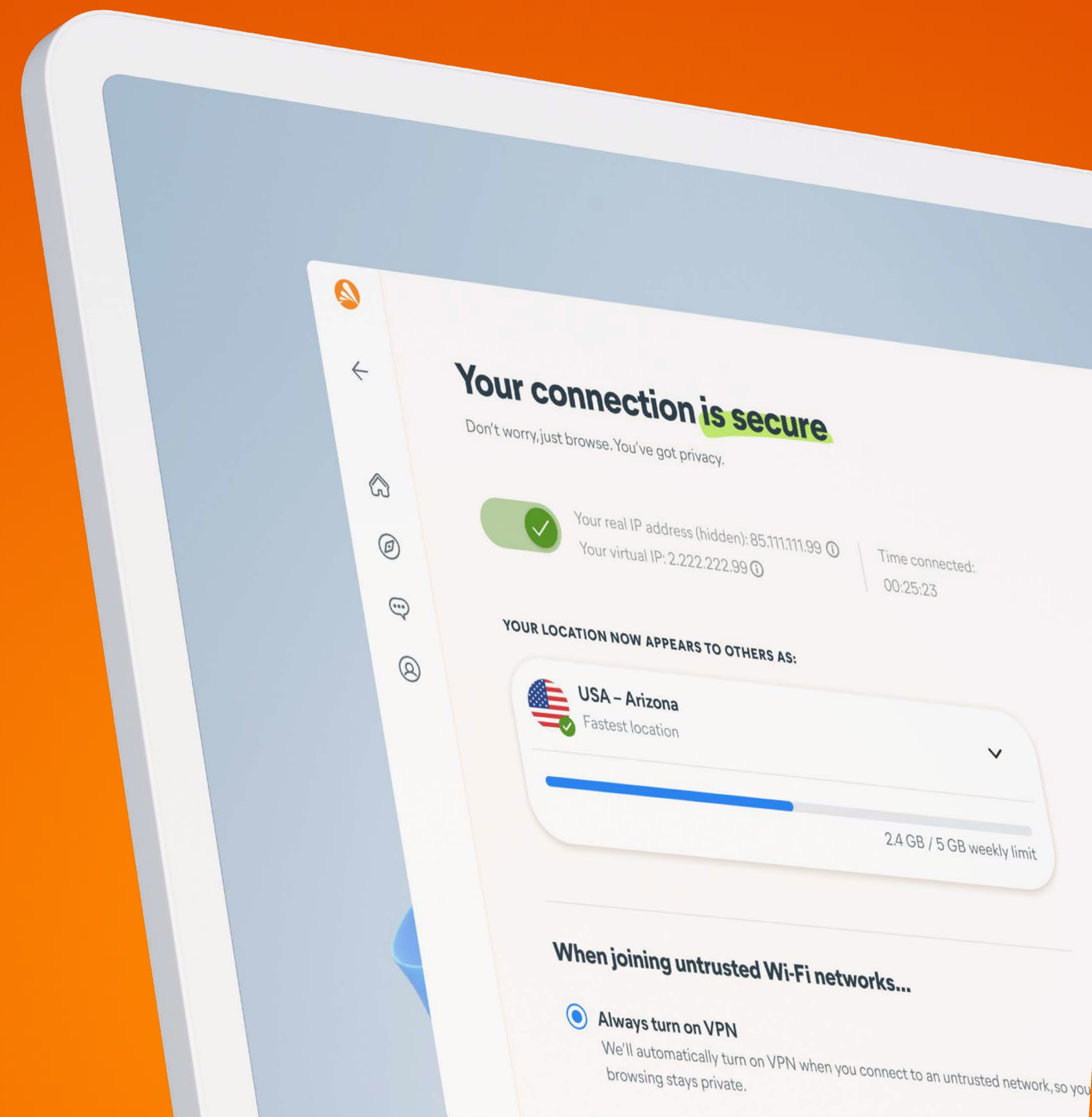
Selected Avast One VPN servers have been optimized to support peer-to-peer (P2P) activities, and are marked out in the selection screen. In order to use the P2P server, a user does not have to be physically located in the same location as the P2P friendly server.

## NEW Smart VPN

Smart VPN allows users to configure the VPN to automatically connect during a preferred situation, such as when joining a public network or logging onto a banking website. Smart VPN also can be configured to prompt the user to turn on the VPN when those scenarios are detected.

## NEW VPN Kill Switch

VPN Kill Switch prevents private information from leaking if the VPN connection drops for any reason by disabling the user's internet connection when the VPN is disconnected.





# Privacy and Identity features | Avast One Essential (FREE)

On top of the VPN, Avast has implemented password protection and browser privacy features.

## Password Protection (limited)

Enables a user to find out if their accounts have been compromised due to a data breach. As a free and paid user, they can scan databases of data breaches to see if the passwords of their online accounts have been exposed.

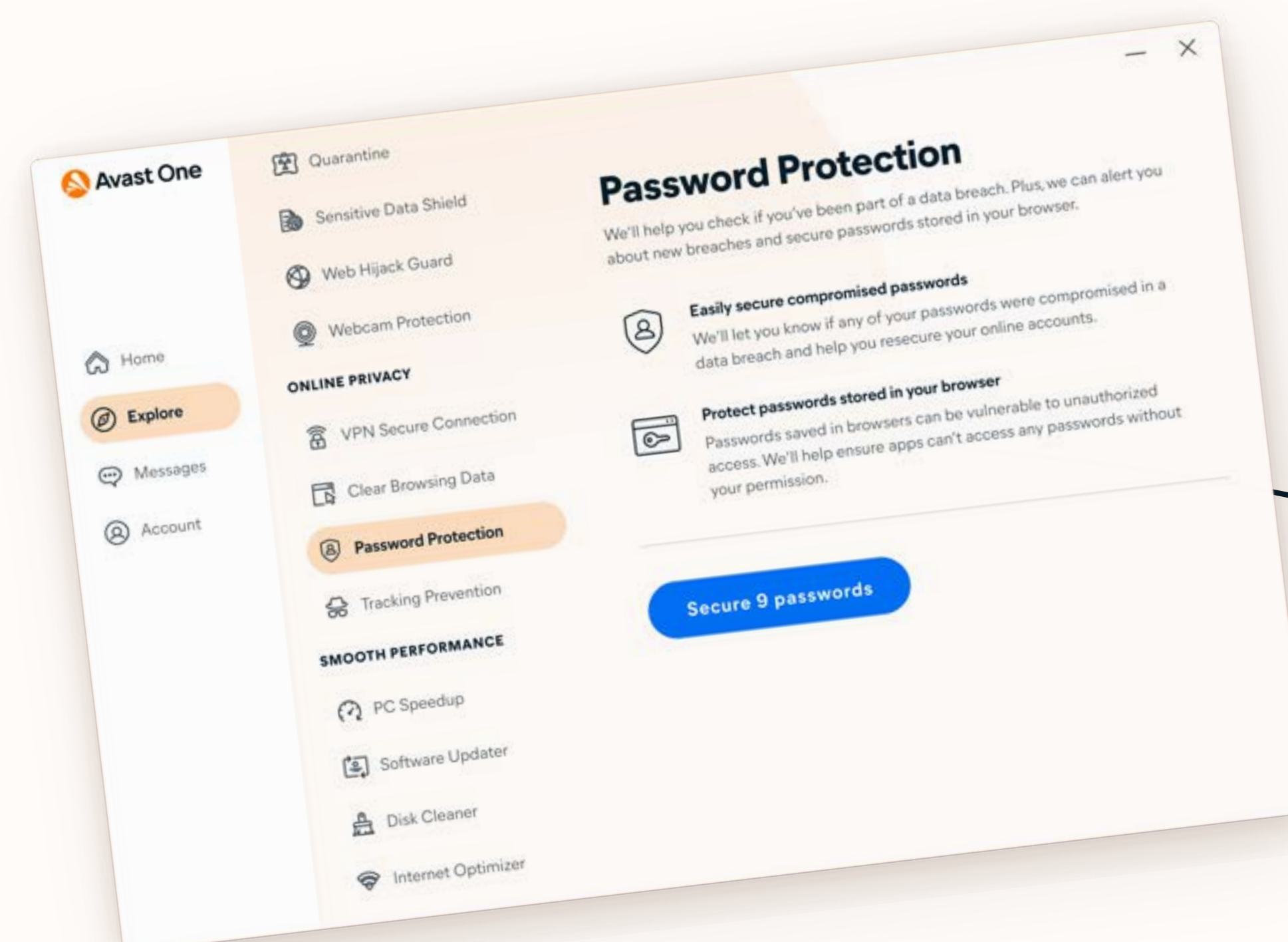
The paid version of this feature offers breach monitoring and browser protection on top (see below).

## Browser Cleaner

Browser Cleaner cleans up online traces and temporary data from over 25 browsers, including Edge, Chrome, and Firefox®. It helps protect user privacy by removing leftover data that browsers can't delete by themselves, such as Adobe Flash Cookies, and optimizes the browser database to troubleshoot and speed up the browser.

## **NEW** Privacy Advisor

Privacy Advisor provides a step-by-step guide for how to enhance a user's privacy settings on popular websites and services Amazon, Facebook, LinkedIn, Twitter, Skype, Instagram, Youtube and Reddit, putting the user back in control of who can see their data and how it is used. Each guide is specific to the website/service and will walk the user through specific settings, giving additional context and guidance such as "Stop Facebook from using your web activity to personalize ads".





# Privacy and Identity features | Avast One Individual/Family (PAID)

## Password Protection

In the premium version, a user can set up monitoring to receive breach alerts when the password to an online account has been compromised in a data breach, helping the user to quickly change their passwords to remain secure. It supports five email addresses per account.

Password Protection also secures a user's passwords stored in their web browsers against malware and unwanted applications. A user can specify which apps have access to reading, changing, or deleting passwords found in Google Chrome and Mozilla Firefox.

## NEW Tracking Prevention

Tracking Prevention is designed to keep users' identity safe from the latest online tracking techniques. Each user has a unique digital fingerprint which is a profile of each user built by advertisers based on online behavior and other data like their device (screen resolution, operating system, location, and language settings), and browser settings — that don't require leaving tracking cookies on users' devices. This digital fingerprint is used by advertisers to show targeted ads and to influence purchasing decisions, and it can also be used for price discrimination. Tracking Prevention works by injecting fake information into the data that makes up each digital fingerprint. This action changes the information that trackers and other third parties can see about each user.

## NEW Private Mode

Private Mode enables a secure session with one click that connects to the VPN, turns on Tracking Prevention, and offers to open an incognito window in the computer's default browser, to browse the internet privately. Once the session is ending, the VPN and Tracking Prevention automatically turns off. If Tracking Prevention was on before the session began, it will remain on.





# Performance | Avast One Essential (FREE)

A PC's health and speed degrades over time. Background apps, cache files, outdated programs, problematic settings, and ancient drivers can wreak havoc on a computer. The issue ranges from slow boot times to overheating or Wi-Fi dropouts. Even crashes or loud fan noises or low battery life are common results of a PC that's getting a bit long in the tooth. Avast One comes with best-in-class and even patented technology to help keep new PCs fresh and revive old computers 24/7.

## PC Speedup

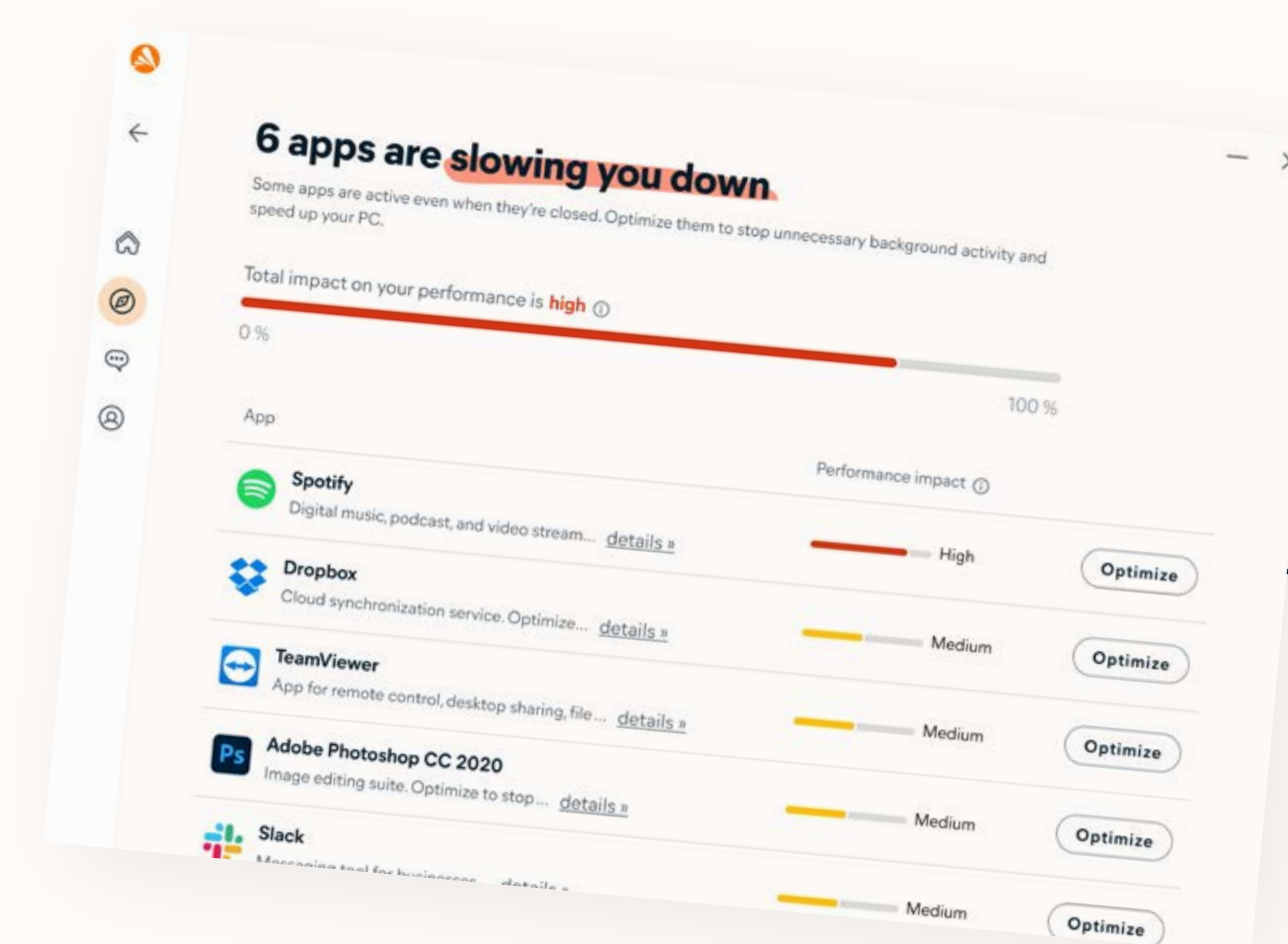
Most often, the cause of PCs slowing down over time is a high amount of programs installed and used, not hardware wear and tear. This is where PC Speedup, powered by its "Program On Demand" Technology, comes in. Many programs installed, such as iTunes, Skype, or Adobe Reader come with background processes, Windows services, startup items, and scheduled tasks. These program components are often still active even when the corresponding program isn't being used.

For example, even when iTunes isn't running, it's running many background tasks. This causes...

- ✓ RAM to be tied down
- ✓ Constant usage of CPU resources
- ✓ An increase in hard disk activities
- ✓ Reduced battery life
- ✓ Annoying info messages and splash screens

**PC Speedup** revives a PC by stopping programs (and their program components mentioned above) that are rarely used from quietly draining processor power, such as instant messaging tools, screen capture utilities or driver control panels. The built-in automatic Start-Stop Mode allows any programs that a user has put to sleep to be reactivated in a single click. When finished using them, PC Speedup automatically deactivates them again.

To help users make the best decision, there are descriptions for the most commonly known applications.

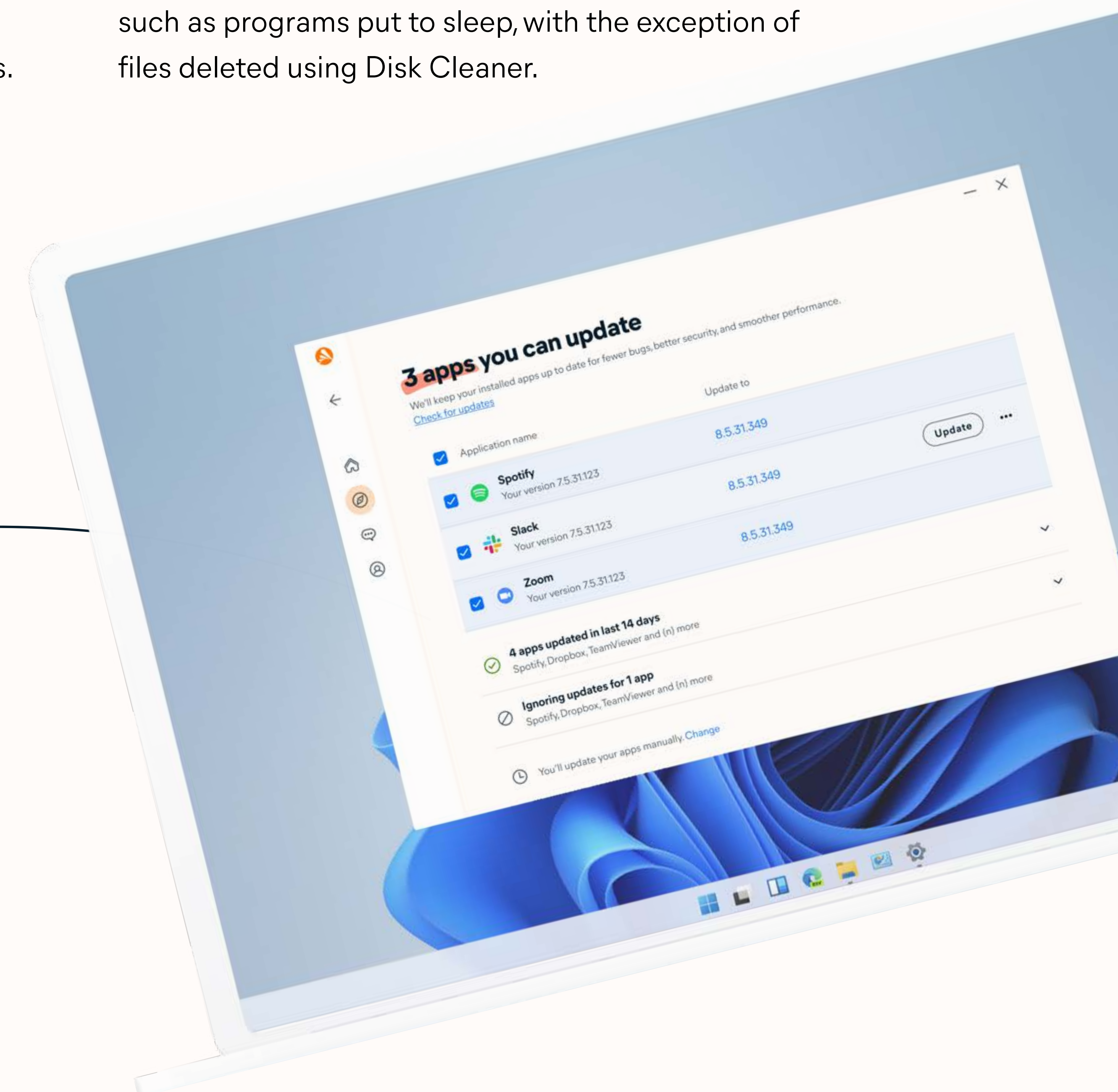


## Software Updater (manual)

Avast studies have shown that more than half of programs installed on users' PCs are no longer up to date, which can lead to vulnerabilities and problems running these programs. Avast One's built-in Software Updater helps users update their software and apps by listing all the out-of-date programs and applications on the device, allowing users to update them with a single, convenient click. Avast supports the most commonly installed programs, including Skype, Firefox, Adobe Reader, or VLC Player and are adding more over time.

## Rescue Center

Rescue Center allows a user to undo all optimization steps such as programs put to sleep, with the exception of files deleted using Disk Cleaner.





# Performance | Avast One Individual/Family (PAID)

## Disk Cleaner

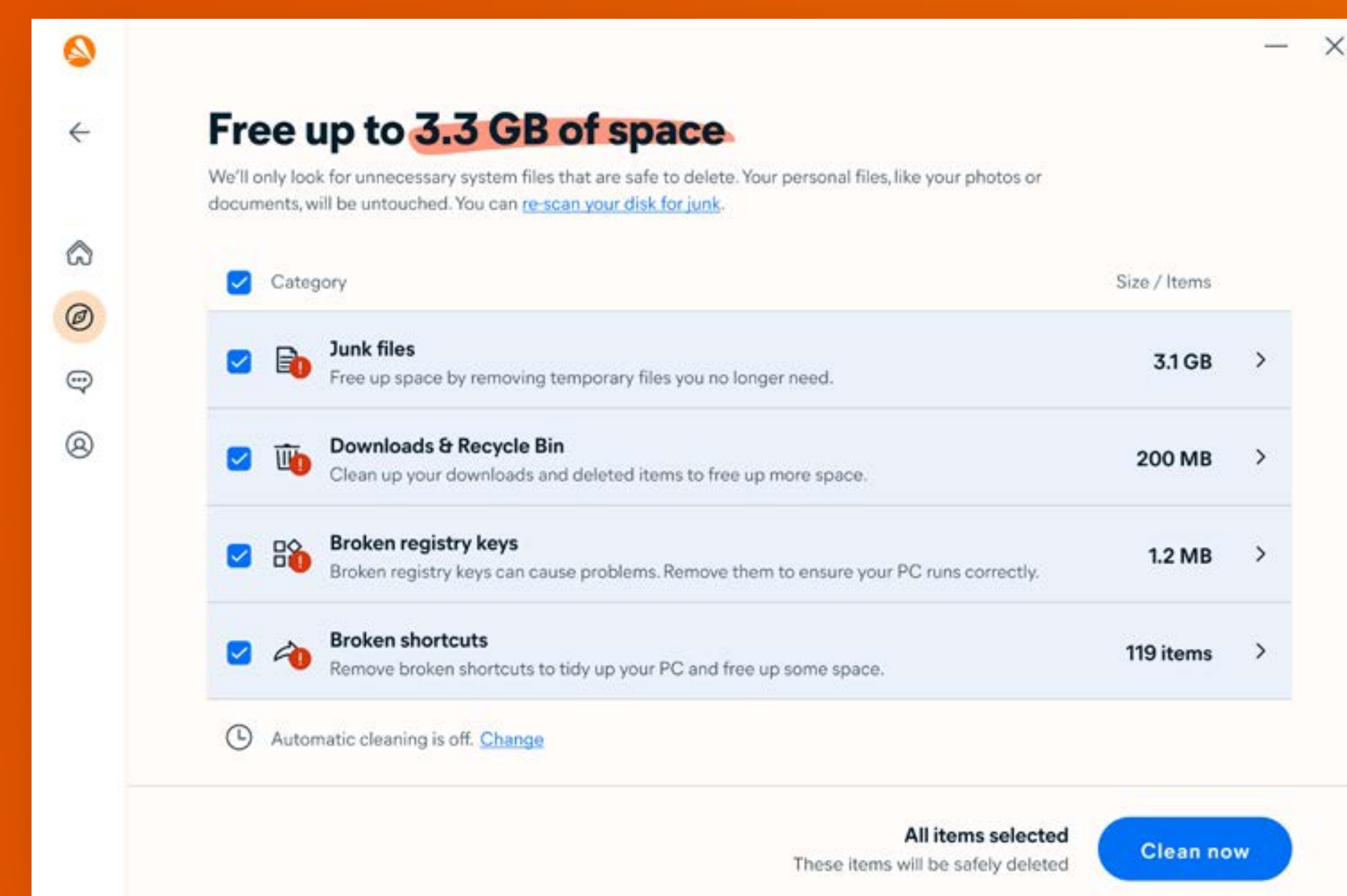
Windows® and its programs produce an enormous amount of data residue. They generate logs in the background, create history lists, and store temporary files en masse. This is often dozens of gigabytes, resulting in crashes, slowdowns, and issues installing and running programs.

Disk Cleaner removes clutter from more than 200 programs and Windows features, making it one of the most comprehensive cleaners. It removes non-personal data and only junk files, such as:

- ✓ Leftover installation files: Residue from MSI (Microsoft® Installer) installations. Many programs make use of the MSI installation routinely but often leave behind traces afterwards.
- ✓ Windows® error reporting: When programs crash, Windows® creates a report that contains not only information on the error that caused the crash, but also personal user information (e.g. files that were open in the program that crashed).

- ✓ Temporary system files: Many programs and Windows® functions create files for interim storage (e.g. TMP files) that are required for program execution. Programs often “forget” to delete these temporary files later and sometimes leave behind personal user information.

Disk Cleaner removes this type of data from not just Windows but also popular applications, such as Steam, all Windows Store apps, Skype, Cyberlink products, or even NVIDIA drivers.

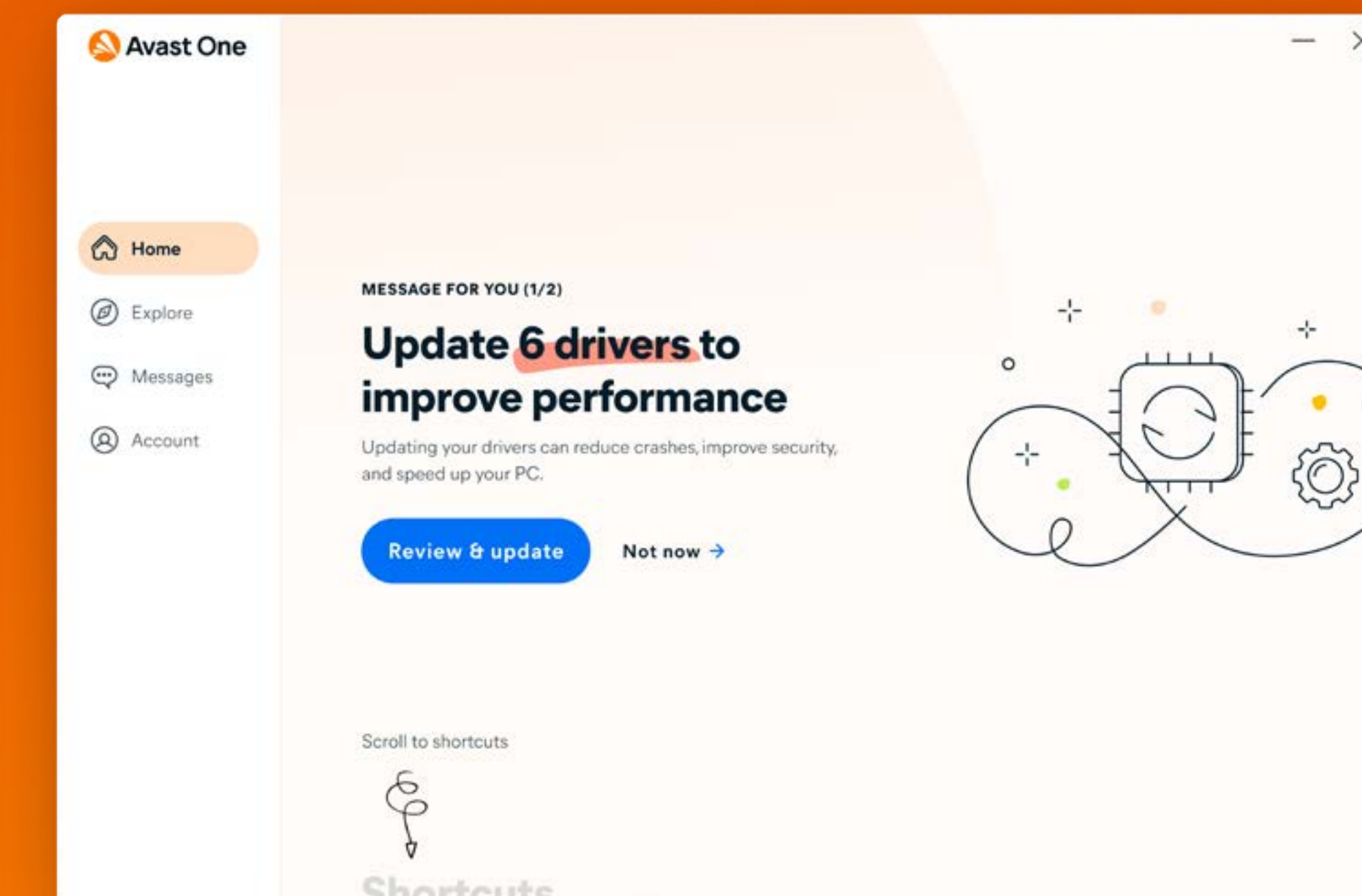


## Driver Updater

Driver Updater helps the user's PC work smoothly with connected printers, scanners, cameras, and other devices by automatically scanning, fixing, and updating more than 8 million drivers.

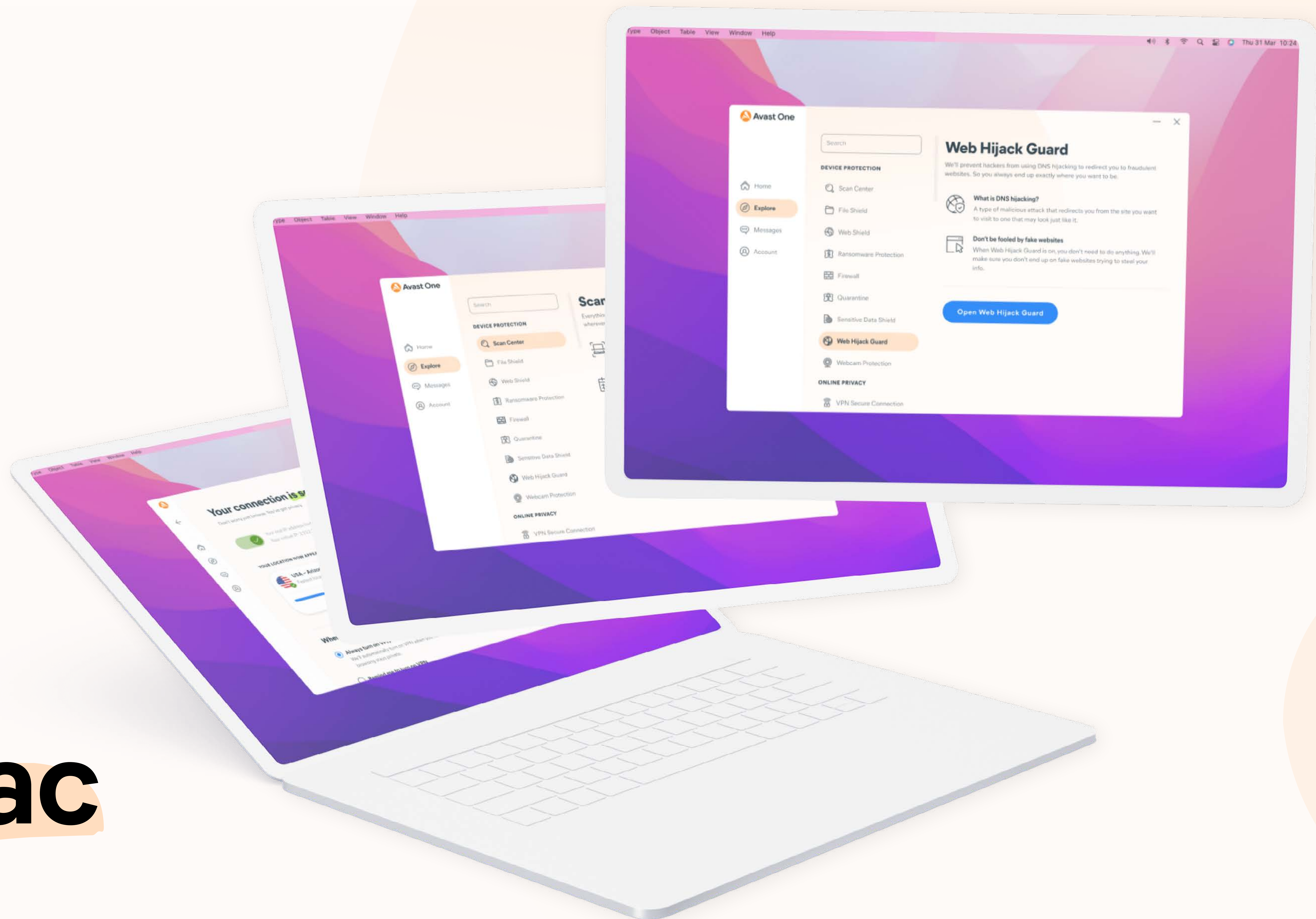
Drivers are among the most critical software on a computer: Old, missing, or corrupt drivers cause crashes or stop a PC and plugged-in devices from working properly. Avast's all-new Driver Updater now scans for 8 million drivers and installs the very best in one click. The driver engine scans in real-time so a user downloads the latest drivers. The drivers are installed one by one, to reduce the risk of hardware conflicts.

To prevent supply-chain-attacks, the Avast Threat Labs checks every single driver for viruses, and certifies them if they are clean. Plus, Avast's automated systems do a test installation of every single driver on Windows 7, 8.1 and 10, for full reliability before they are delivered to the user.





# Mac

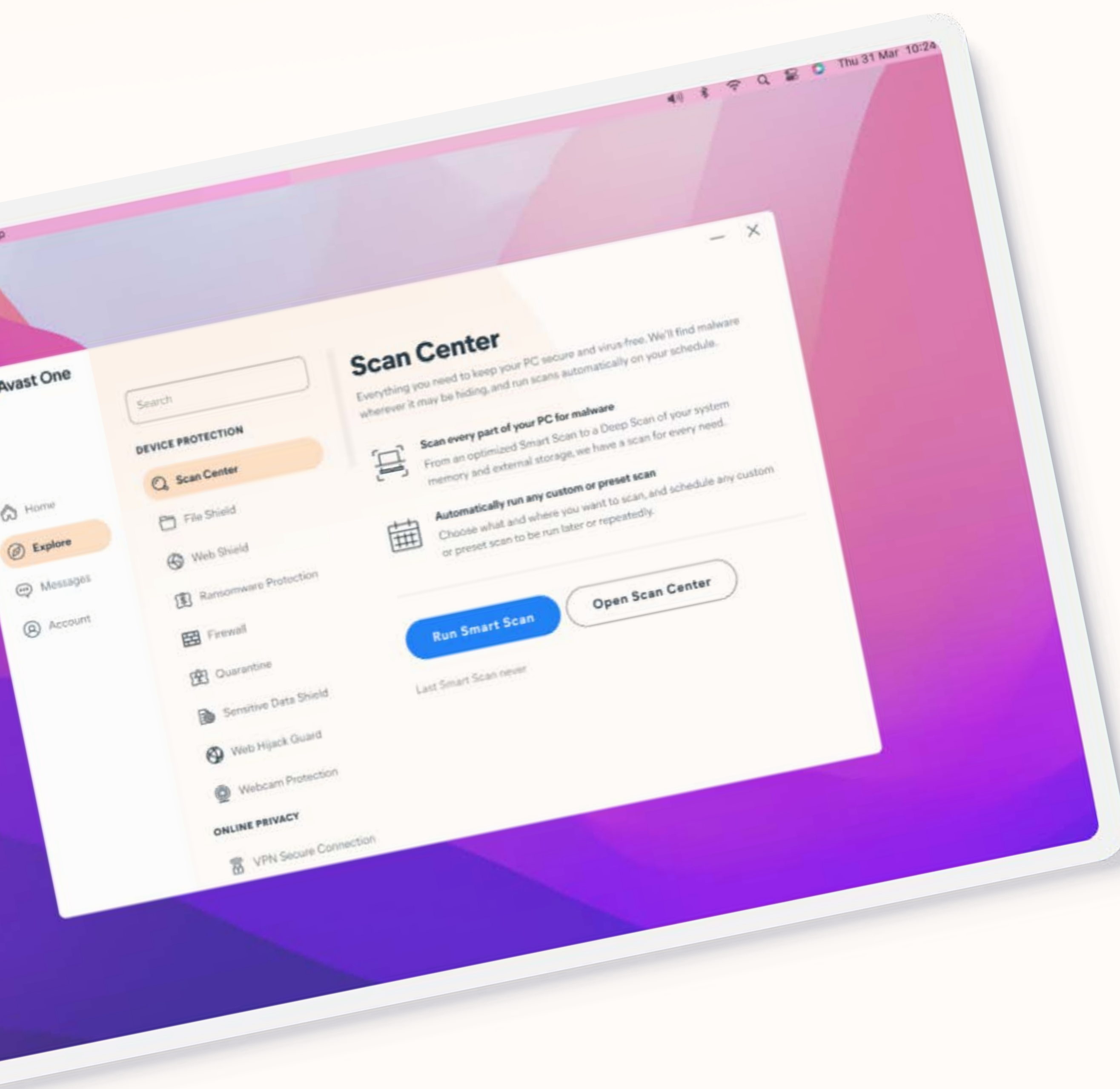




# Why Macs need an all-round health, security, and privacy suite

MacOS malware is on the rise and even the latest Macs slow down over time.

Avast's internal surveys and studies have shown that Mac users care about their devices' health and want them to run fast, smooth, and crash-free to keep them around for longer. Many users don't believe that MacOS can help protect their security enough.



Avast One for Mac delivers powerful cleaning and health capabilities, making sure each Mac feels like it did on Day 1. To bolster Mac security beyond its built-in solutions, Avast has added its advanced antivirus engine to protect users from new and unknown malware strands, phishing attacks, and other scams.

In addition to pure malware protection, Avast One comes with data leak monitoring to help protect Mac users' privacy. The built-in VPN lets users choose from a variety of servers to free them from restrictions, and help them surf privately.

## Dashboard

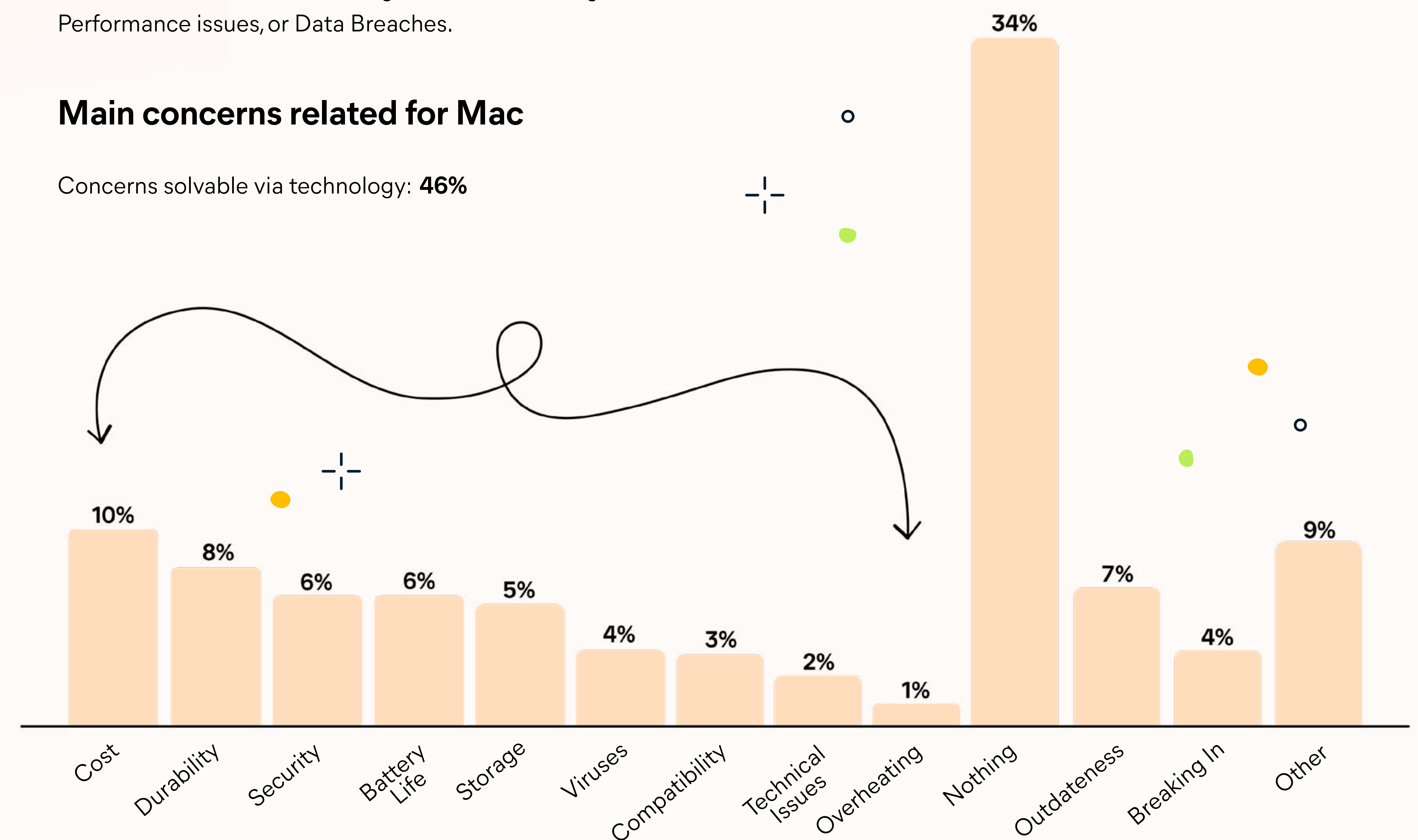
The new dashboard sets itself apart from all previous Avast Mac versions and the competition. Avast One gives recommendations and publishes critical messages and tips at the right time, precisely when the user needs them. This way, the user does not need to look for individual features, but instead sees them presented on the Avast dashboard when they are most likely needed.

## Smart Scan

The next-generation Smart Scan now covers even more areas of the Mac, including VPN, Junk cleaning, Performance issues, or Data Breaches.

## Main concerns related for Mac

Concerns solvable via technology: **46%**





# Protection | Avast One Essential (FREE)

Avast One features protect Mac users from all types of malware.

All shields are enabled by default and users can adjust or disable any shield. Avast Security uses kernel or system extensions, depending on the MacOS version, to protect and secure a user's Mac, and to enable it, a user has to allow them in MacOS System Preferences (MacOS requires user approval before loading newly-installed third party extensions).

## File Shield

Avast One's lightweight, live File Shield actively scans for threats within all programs and files on the hard drive as they are opened, run, modified, and saved. If malware is detected, File Shield prevents the program or file from infecting people's Macs. If it's infected, it tries to repair the file so people can safely use it. If that's not possible then File Shield will move it to quarantine or let the user delete it.

## Web Shield

As more and more online services are moving to HTTPS by default, or even HTTPS-exclusive, hackers are increasingly targeting these sites. Web Shield scans HTTPS sites for malware and other dangers and replaces them with Avast's own. Webshield checks the server certificate, decrypts the traffic and scans the content for malware. Once this is done, it signs the traffic with a newly generated certificate which is accepted and trusted by browsers. This ensures that the traffic is clean and the user has a secure browsing experience.

HTTPS scanning decrypts malicious code inside TLS/SSL-protected traffic. Additionally, this feature adds compatibility for SPDY+HTTPS/ HTTP 2.0. In other words, Avast checks HTTPS sites without disrupting users' browsing experience.

## Ransomware Shield

Ransomware is a type of malware, or malicious software, that takes files — and sometimes entire computers or mobile devices — hostage. Besides Avast's threat detection engine which protects users from ransomware, Ransomware Shield gives users the option to select individual files and folders to be protected by an additional layer of security.

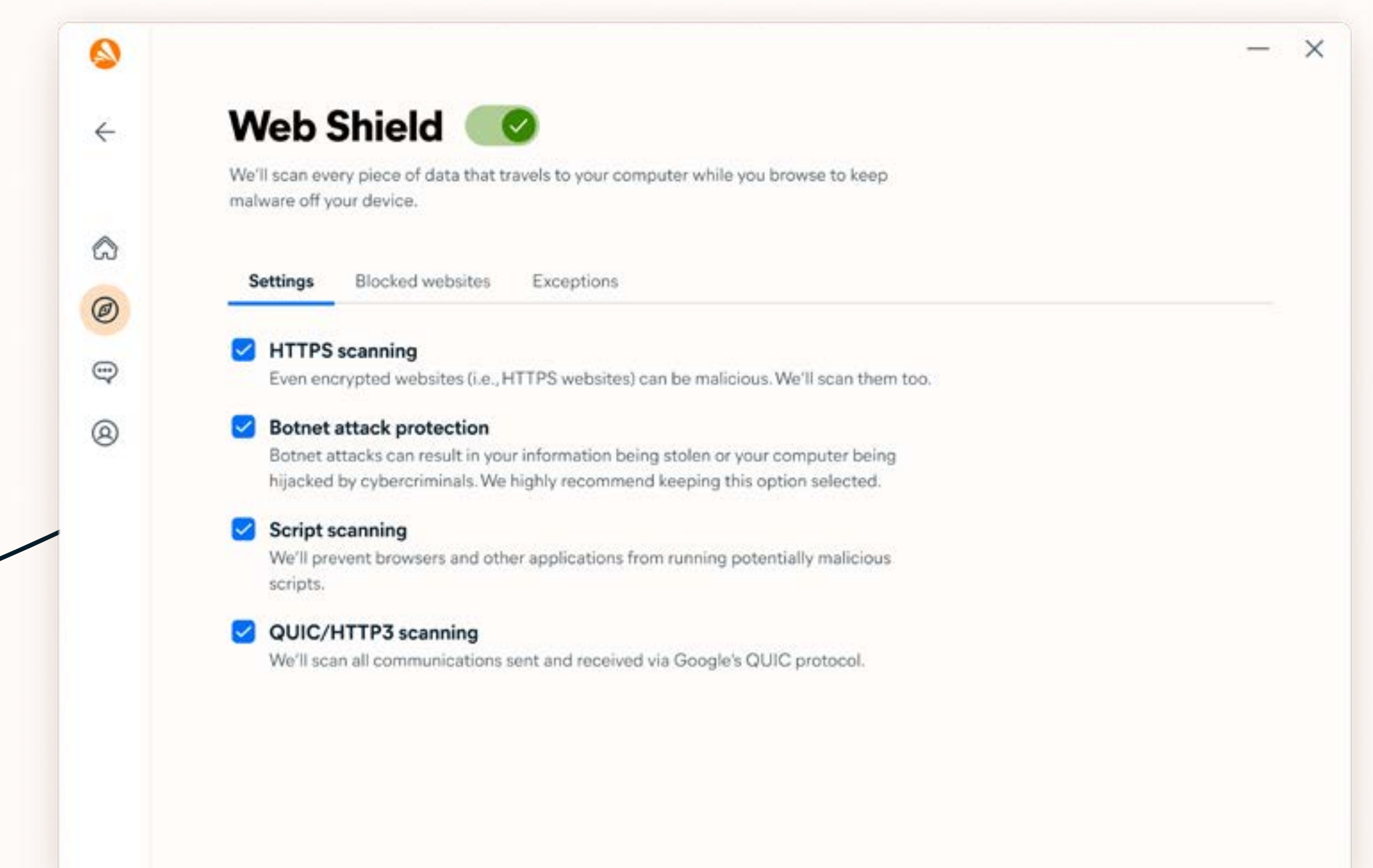
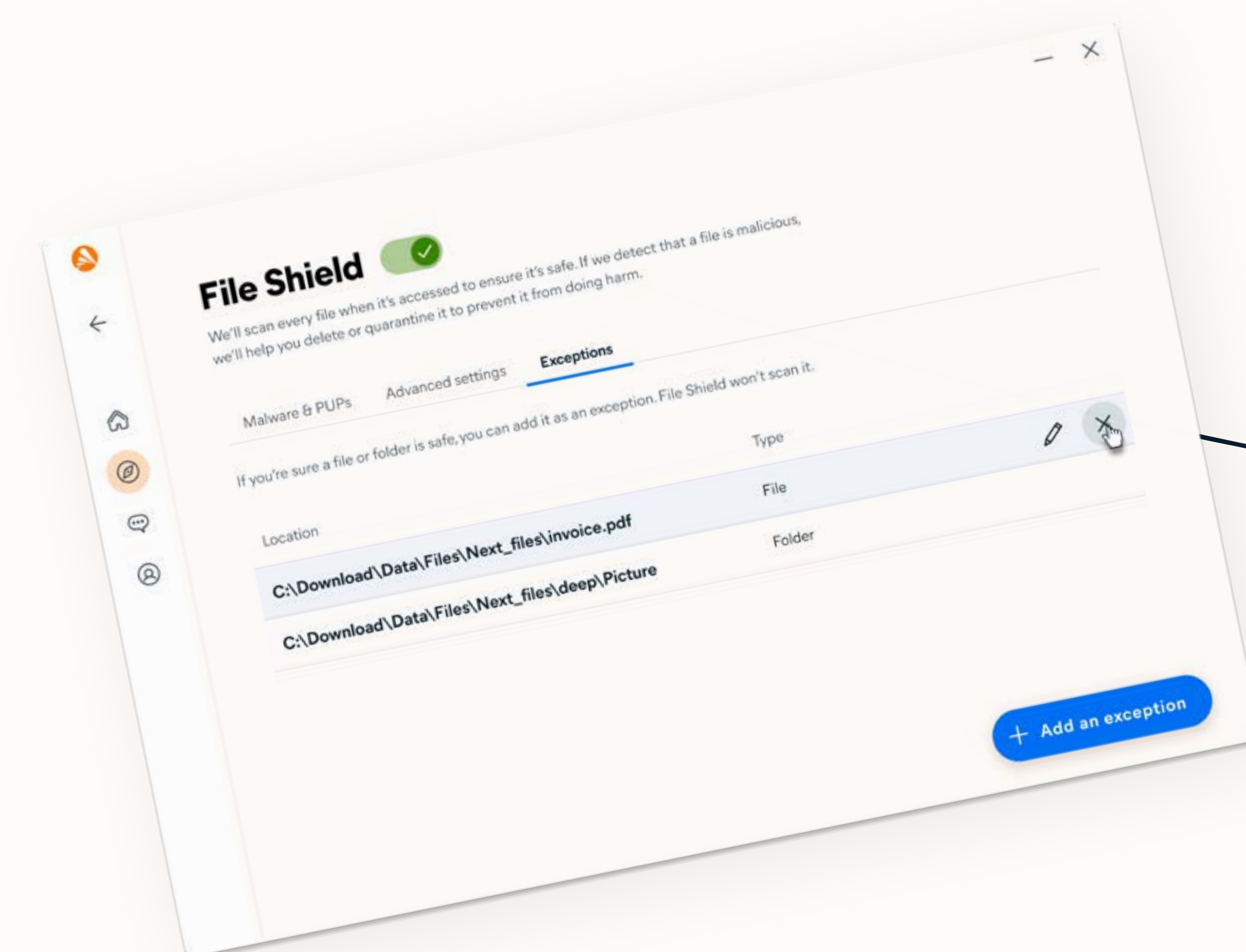
The feature then monitors which applications try to access the selected files, and if an application wants access that could allow altering the files, Avast verifies the application first, before allowing this. To do so, Avast checks if the program trying to access the files is marked as clean in the Avast cloud. Avast also checks the digital signature of the program, and if it tries to inject code. This way, the user is protected from various types of ransomware including screen lockers, doxxing, and file-coders. Ransomware Shield stops both ransomware and untrusted apps from changing, deleting, or encrypting all the user's files, documents, and photos.

## Scan Center

Avast's Scan Center runs a scan for all sorts of Mac malware — from top to bottom. Avast's targeted scan lets users scan specific sections of their hard drive on a regular schedule.

## Quarantine

With this feature, users can quarantine potentially dangerous files or send them to the Avast Threat Labs for analysis. Files in Quarantine cannot run or access the computer system and data, so any malicious code contained within a file is unable to harm the Mac.





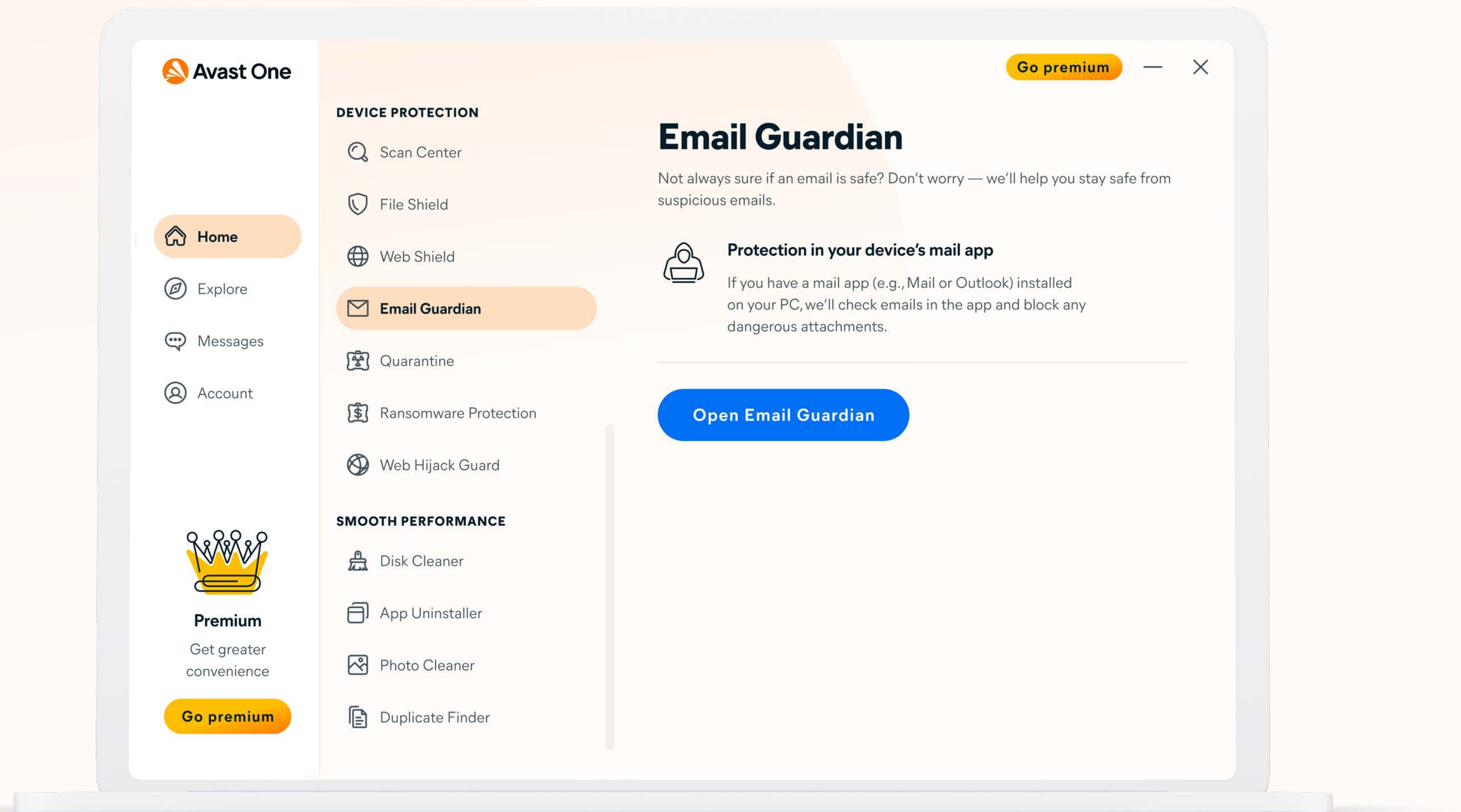
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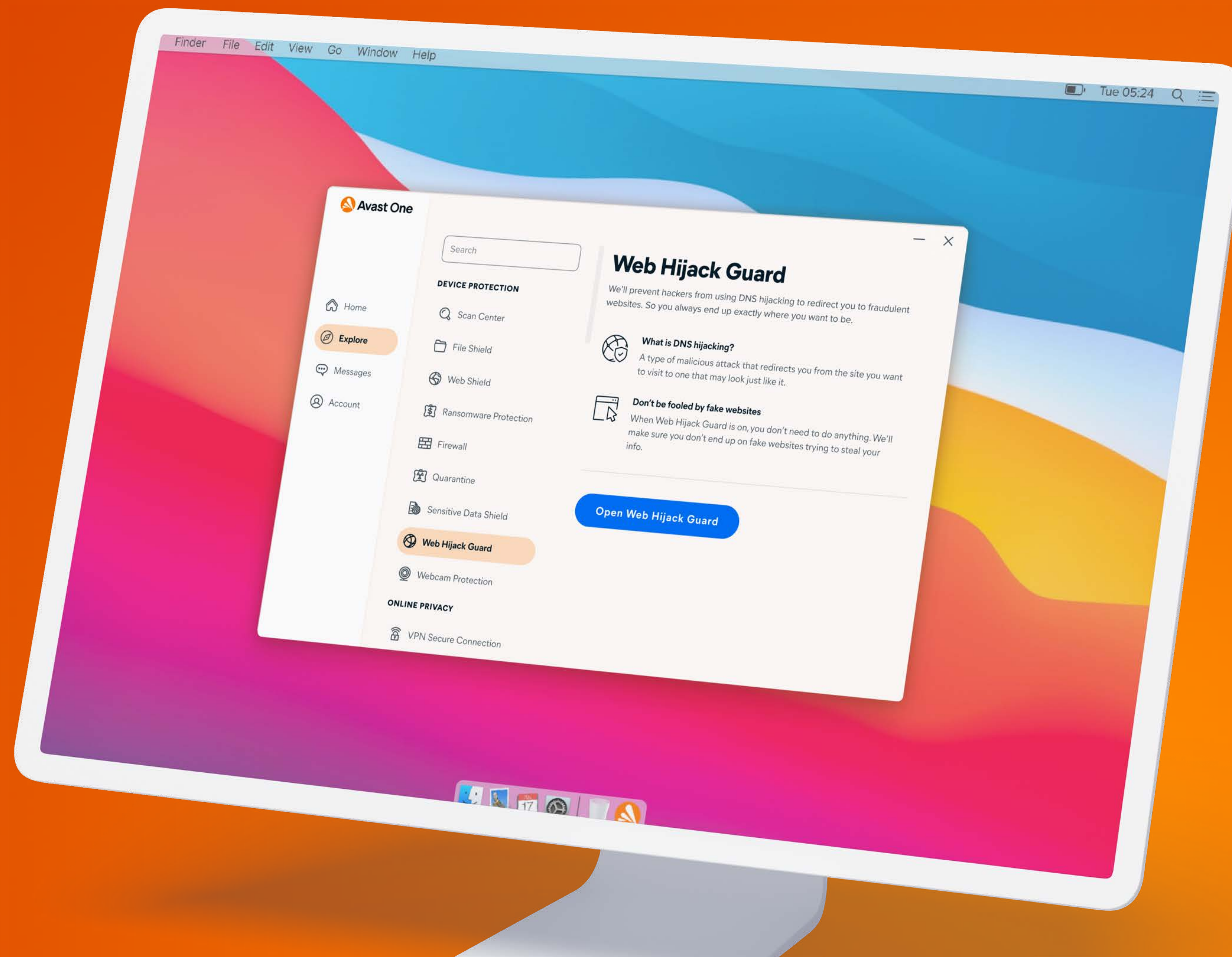


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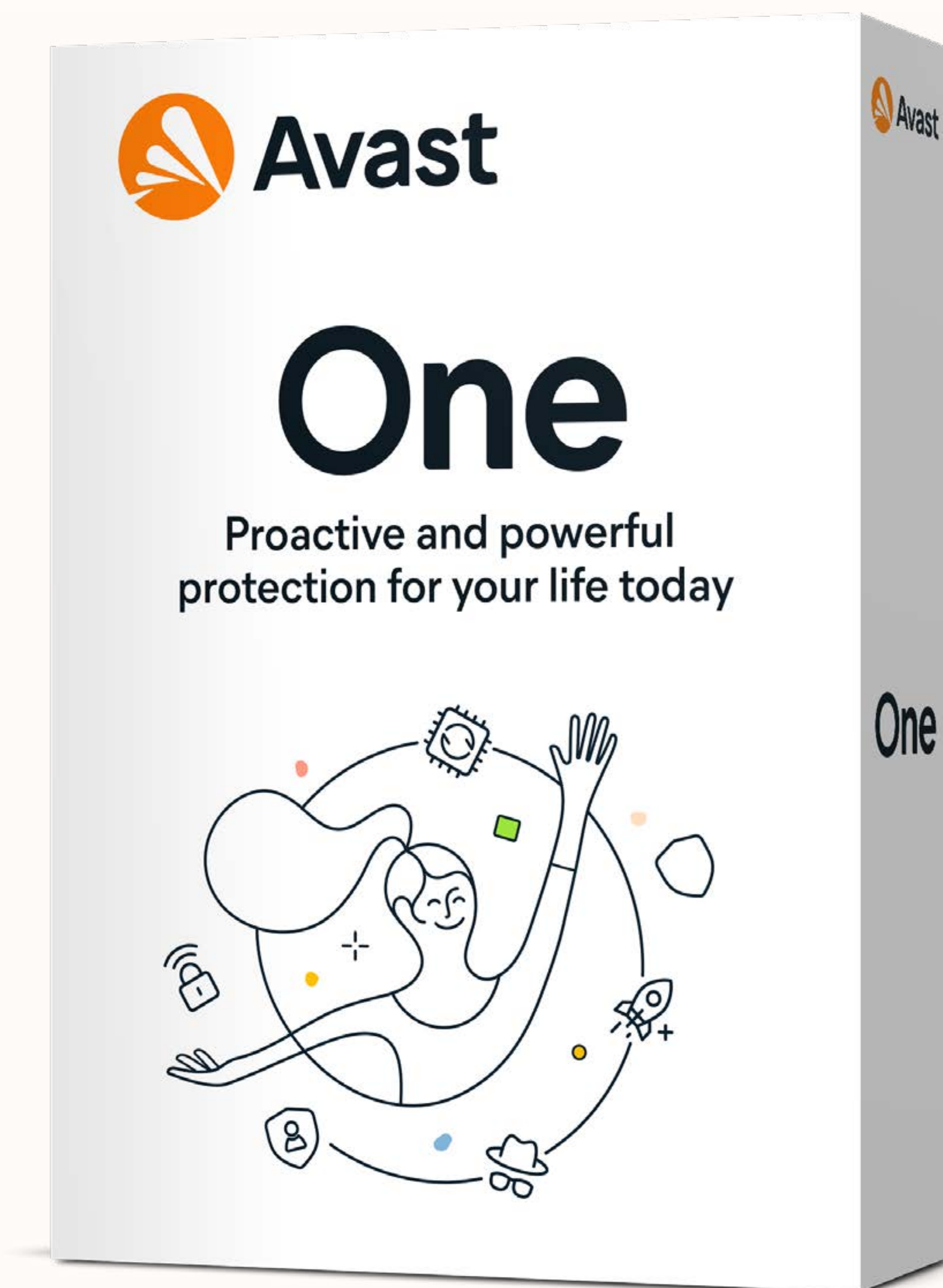
Everyone has the right to privacy online, whether it's what they're looking at or who they are. While macOS has built-in privacy protection features, Avast One goes the extra mile by offering a fully-functional VPN solution and data breach monitoring techniques.

## VPN

Going beyond Apple's private relay functionality, Avast One's powerful VPN helps users surf privately, avoid booby-trapped networks, access content in their home countries while traveling, and be protected from spies.

Avast One VPN is built on the most widely used and trusted protocol: OpenVPN. It is regarded as one of the most trusted protocols because it is open source.

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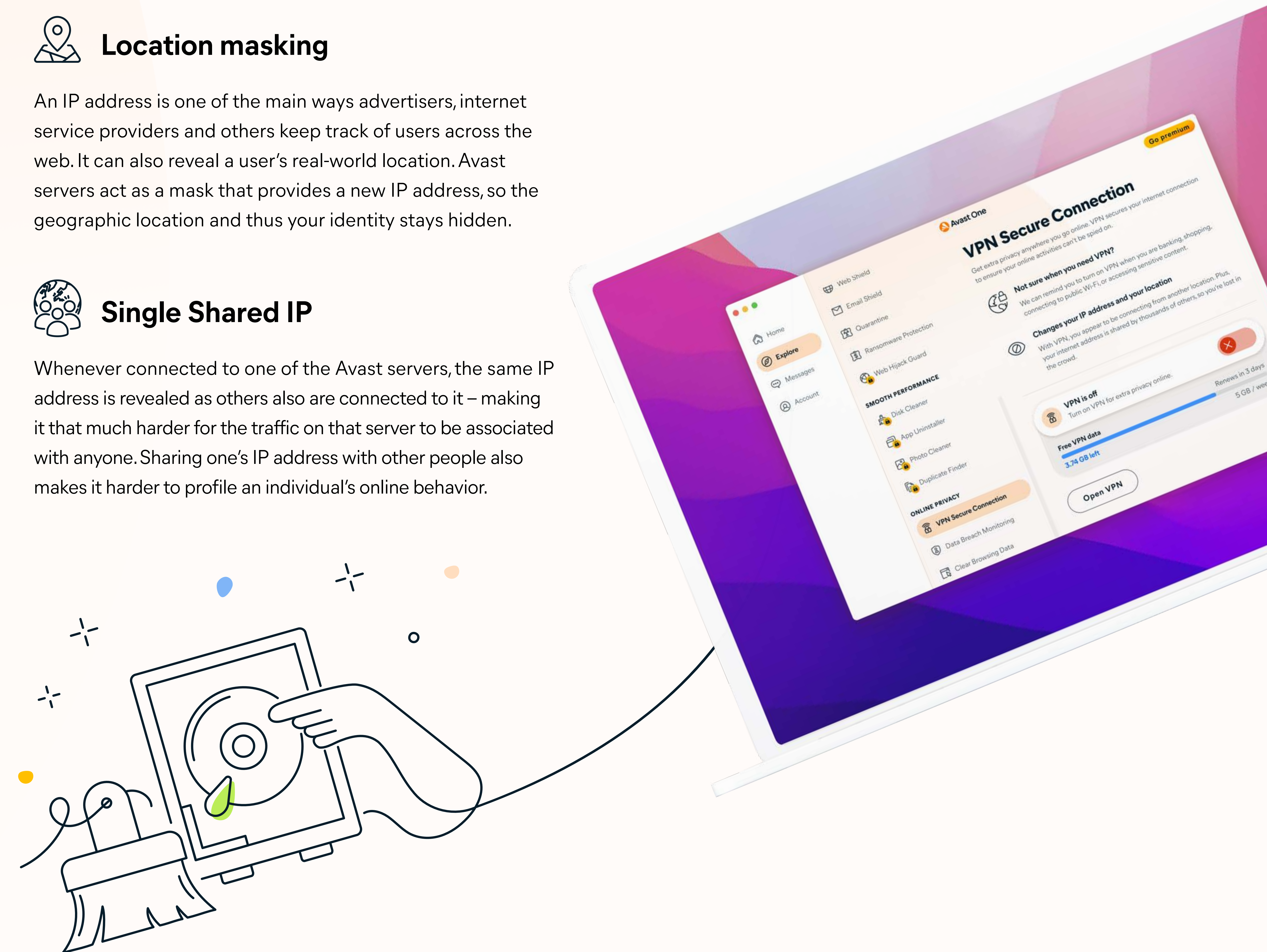
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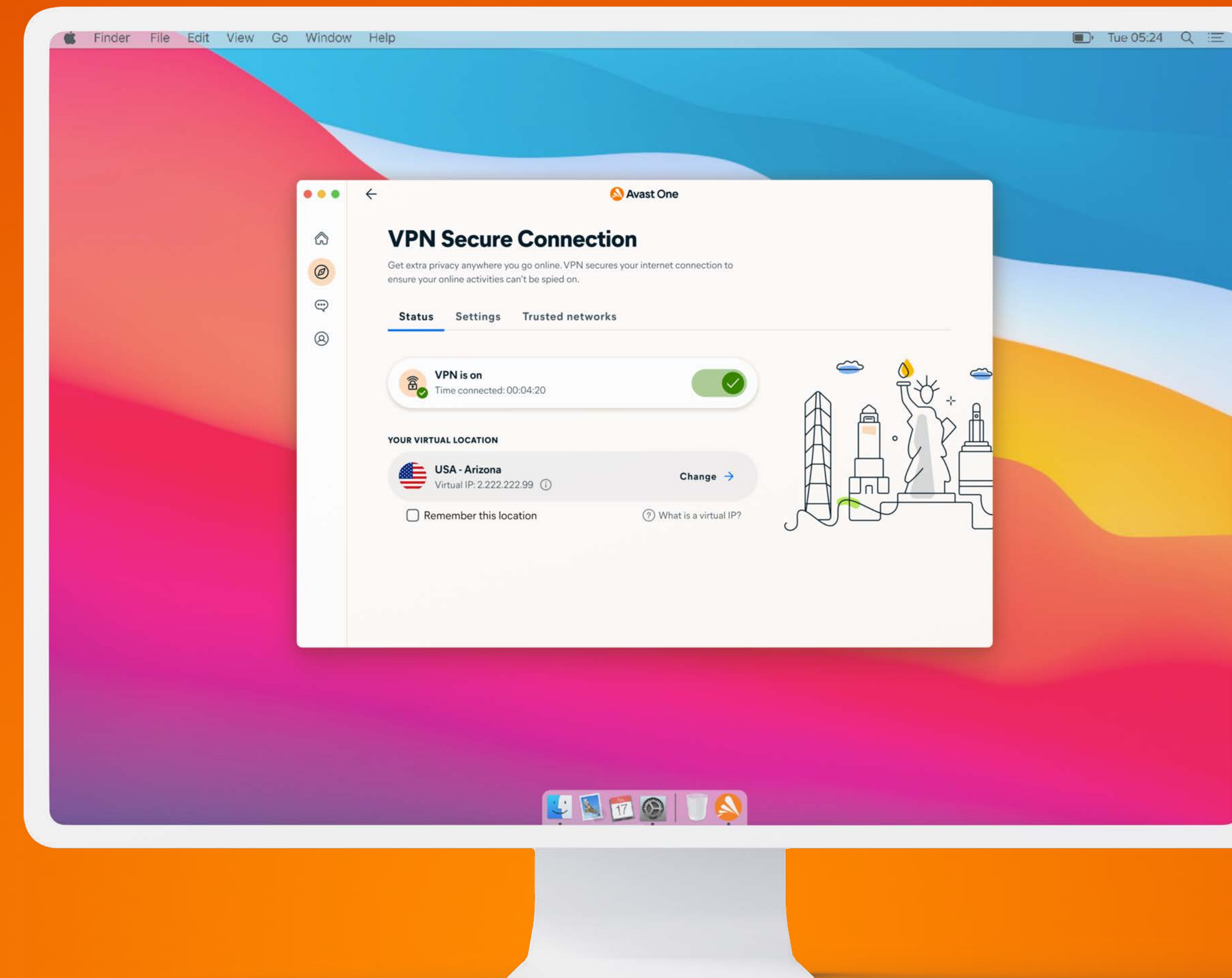
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## P2P Support

Selected Avast One VPN servers have been optimized to support peer-to-peer (P2P) activities, and are marked out in the selection screen. In order to use the P2P server, a user does not have to be physically located in the same location as the P2P friendly server.

## **NEW** Smart VPN

Smart VPN allows users to configure the VPN to automatically connect during a preferred situation, such as when joining a public network or logging onto a banking website. Smart VPN also can be configured to prompt the user to turn on the VPN when those scenarios are detected.



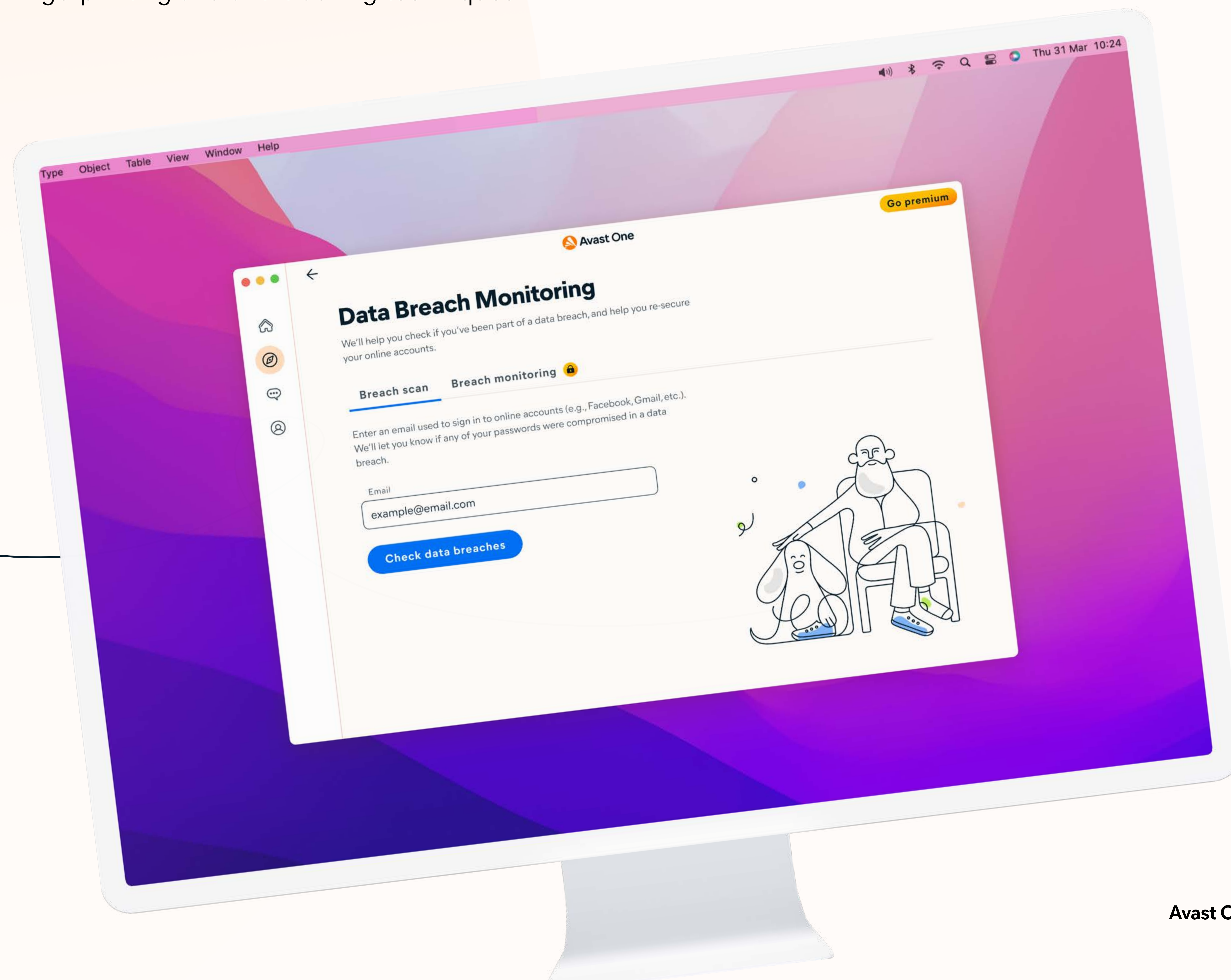
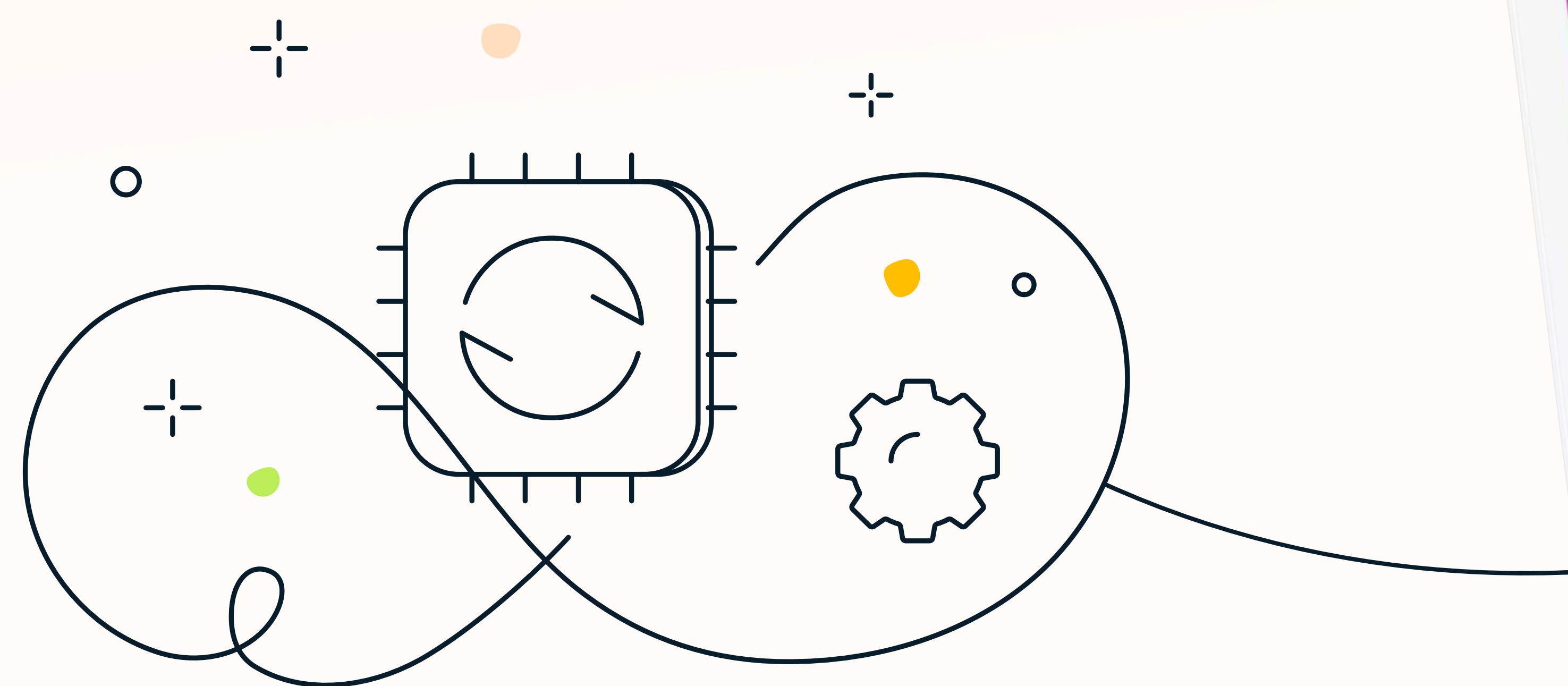


# Privacy and identity features | Avast One Essential (FREE)

On top of the VPN, Avast has implemented multiple anti-fingerprinting and anti-tracking techniques.

## Data Breach Monitoring (limited)

Data Breach Monitoring enables a user to find out if their accounts have been compromised due to a data breach. As a free and paid user, they can scan data lists of data breaches to see if the passwords of their online accounts have been exposed.





# Privacy and identity features | Avast One Individual/Family (PAID)

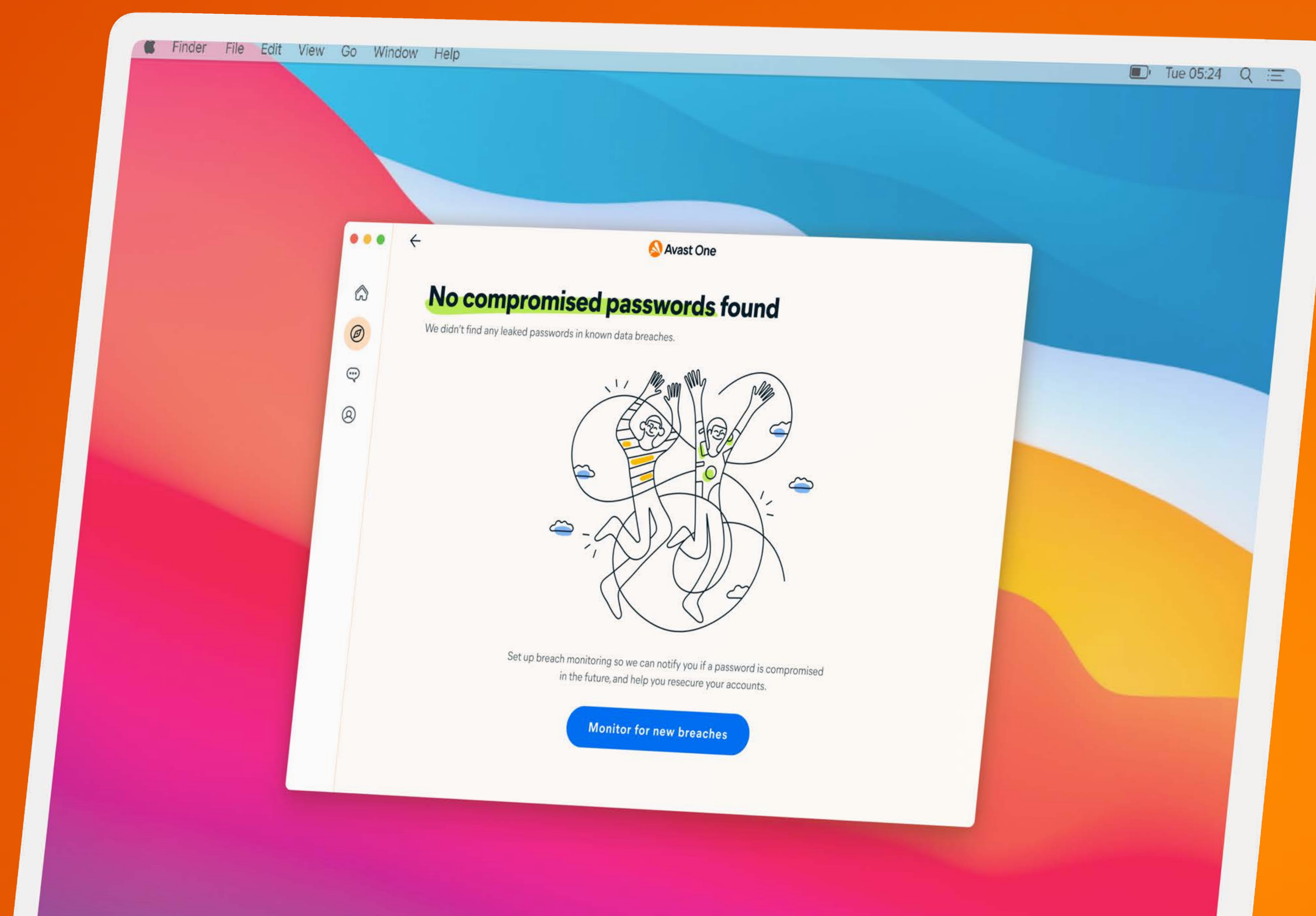
## Data Leak Monitoring

Each user can set up monitoring to receive breach alerts when the password to an online account has been compromised in a data breach, helping them to secure those accounts by changing their passwords. It supports five emails per account.

## Tracking Protection

Advanced Tracking Protection is designed to keep users' identity safe from the latest online tracking techniques. Each user has a unique digital fingerprint which is a profile of each user built by advertisers based on online behavior and other data like their device (screen resolution, operating system, location, and language settings), and browser settings — that don't require leaving tracking cookies on users' devices.

This digital fingerprint is used by advertisers to show targeted ads and to influence purchasing decisions, and it can also be used for price discrimination. Advanced Tracking Protection works by injecting fake information into the data that makes up each digital fingerprint. This action changes the information that trackers and other third parties can see about each user.





# Performance | Avast One Individual/Family (PAID)

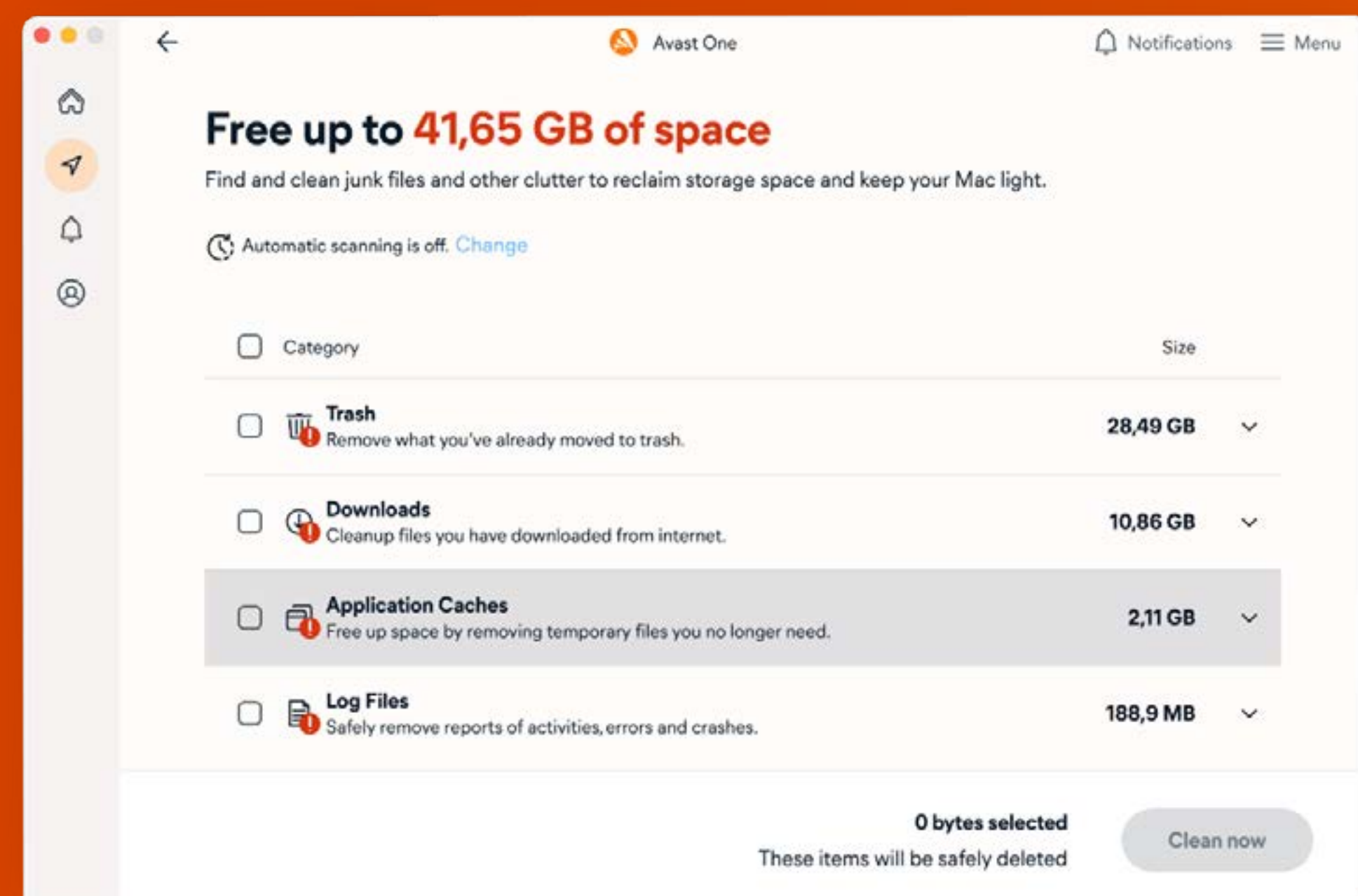
A Mac's health and speed degrades over time and with more junk and apps that accumulate. The issue range from slow boot times to overheating or Wi-Fi dropouts. Even crashes or loud fan noises or low battery life are common results of a Mac suffering from junk data.

## Disk Cleaner

A clean Mac is a fast Mac. File clutter can lead to unresponsive applications and reduced disk space, which in turn can slow things down quite drastically. Removing old files, such as temporary trash data or junk files, will help alleviate these issues. Here's what Avast cleans:

## Crash Reports and Junk Files

MacOS and third-party applications automatically create temporary files, which aren't critical but waste a lot of drive space. They include leftover data from applications that may have been uninstalled ages ago or programs like Xcode or Safari.



- ✔ Browser Caches: Safari, Chrome, and Firefox browsers store non-critical temporary files and cookies in a cache folder. Deleting this cache not only frees up drive space, but can help protect privacy as they could contain personal information such as login data or websites you visited.

It also helps fix problems with old cache files. If a user has frequent problems accessing websites, clearing the cache could help fix this.

- ✔ Log Files: Applications create logs to record normal operation or how they crashed. These files are only necessary for developers or when you need to send crash logs to a software maker. In most cases, they won't be needed, so they are safe to remove.

- ✔ External Drives Junk: System files that MacOS adds to external files formatted for other operating systems can be safely deleted to free up space.

## App Uninstaller

Even after an app is uninstalled, it can leave behind data. Avast's App Uninstaller safely removes all wasteful app data, including:

- ✔ Preferences: Files that include settings of unwanted apps.
- ✔ Temporary data: Files the apps needed when running.
- ✔ Saved states: Data required for the MacOS "Resume" feature.
- ✔ Containers: The core files of all apps on a user's computer.

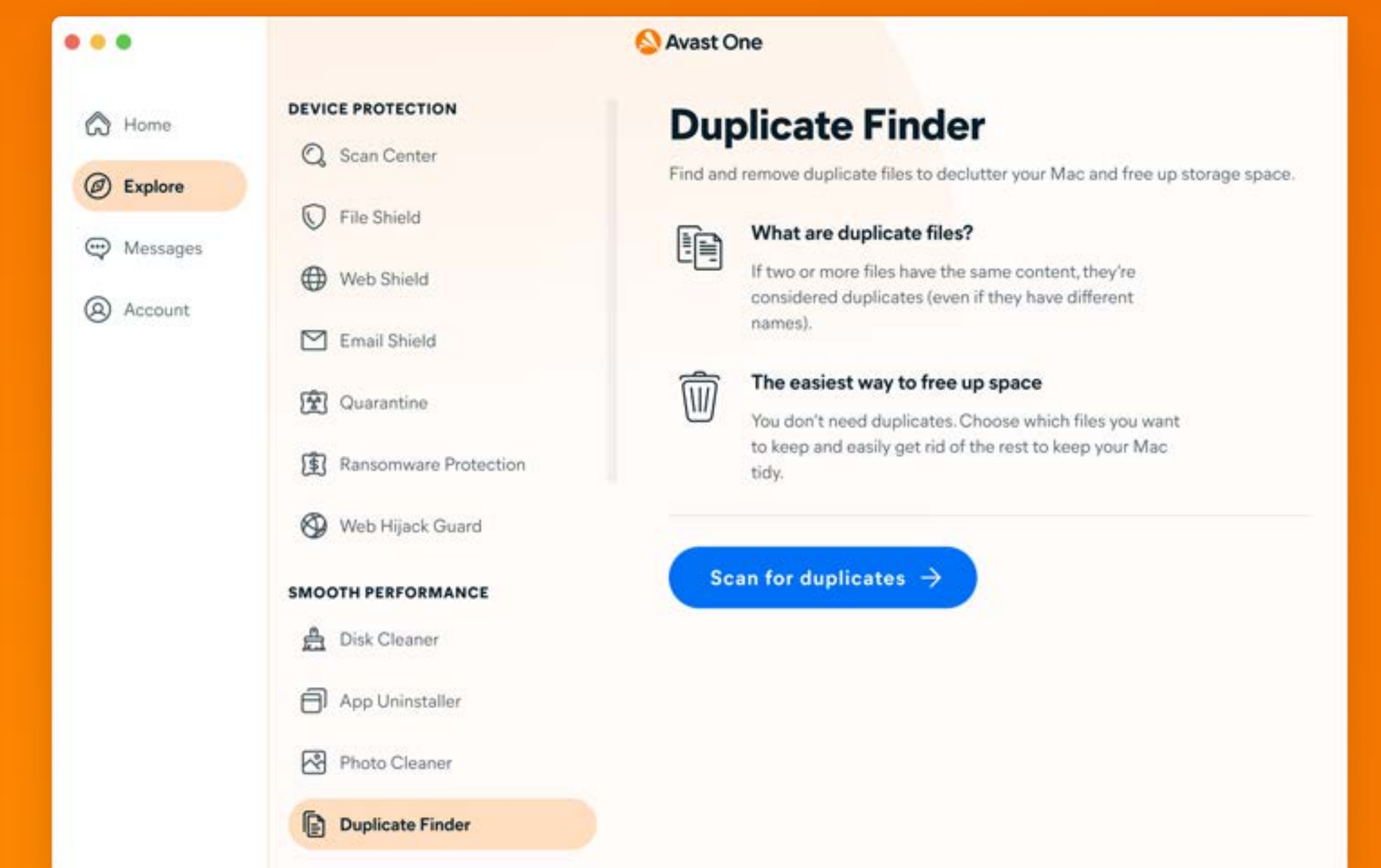
## NEW Duplicate Finder

Duplicate Finder scans the computer in one or multiple locations, such as the backup directory or the photo directory, for duplicate files such as documents, pictures, songs, apps, videos, and more. It displays the duplicates in groups to differentiate the duplicate files from each other, and provides two selection rules, to keep the newest files or the oldest files, to help the user select duplicates to delete.

## Photo Cleaner

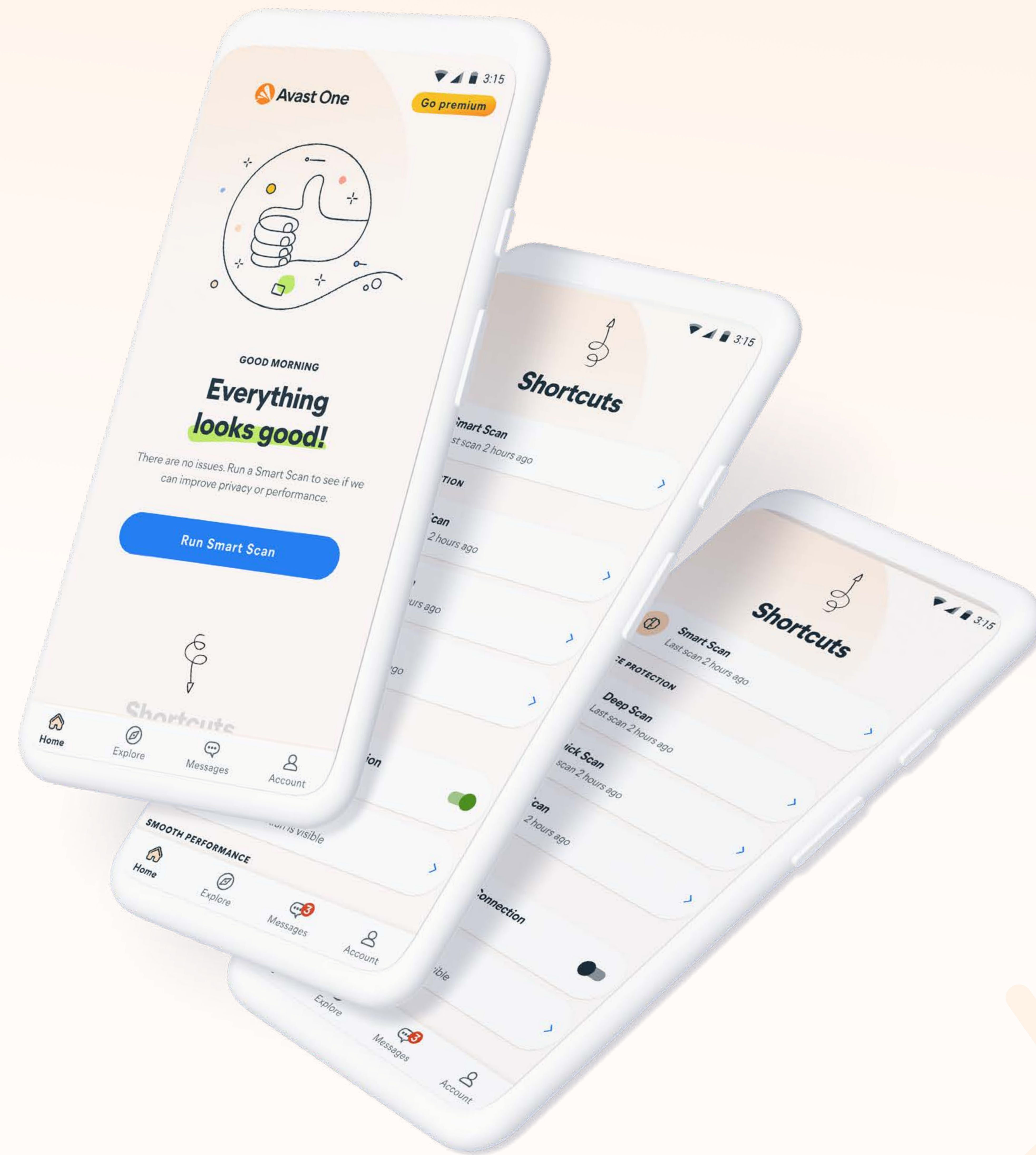
Scans each user's photo library for blurry, poorly-lit and duplicate photos that a user might no longer need. Avast will then show the user which ones can be deleted.

Avast will not proactively get rid of any photos. Using OpenCV (a library for real-time computer vision) Avast is capable of detecting poor photos quickly.





# Android





# Android

The freedom Android offers comes with increased risk, both to privacy, security, and the device's overall health.

Avast One for Android is the all-in-one solution to protect from Android threats with file and app shields, a powerful VPN, data breach monitoring, junk cleaning, app hibernation, and more. It covers all aspects of the smartphone that are threatened every day.



## Dashboard

The enhanced dashboard includes tailored recommendations and critical messages.



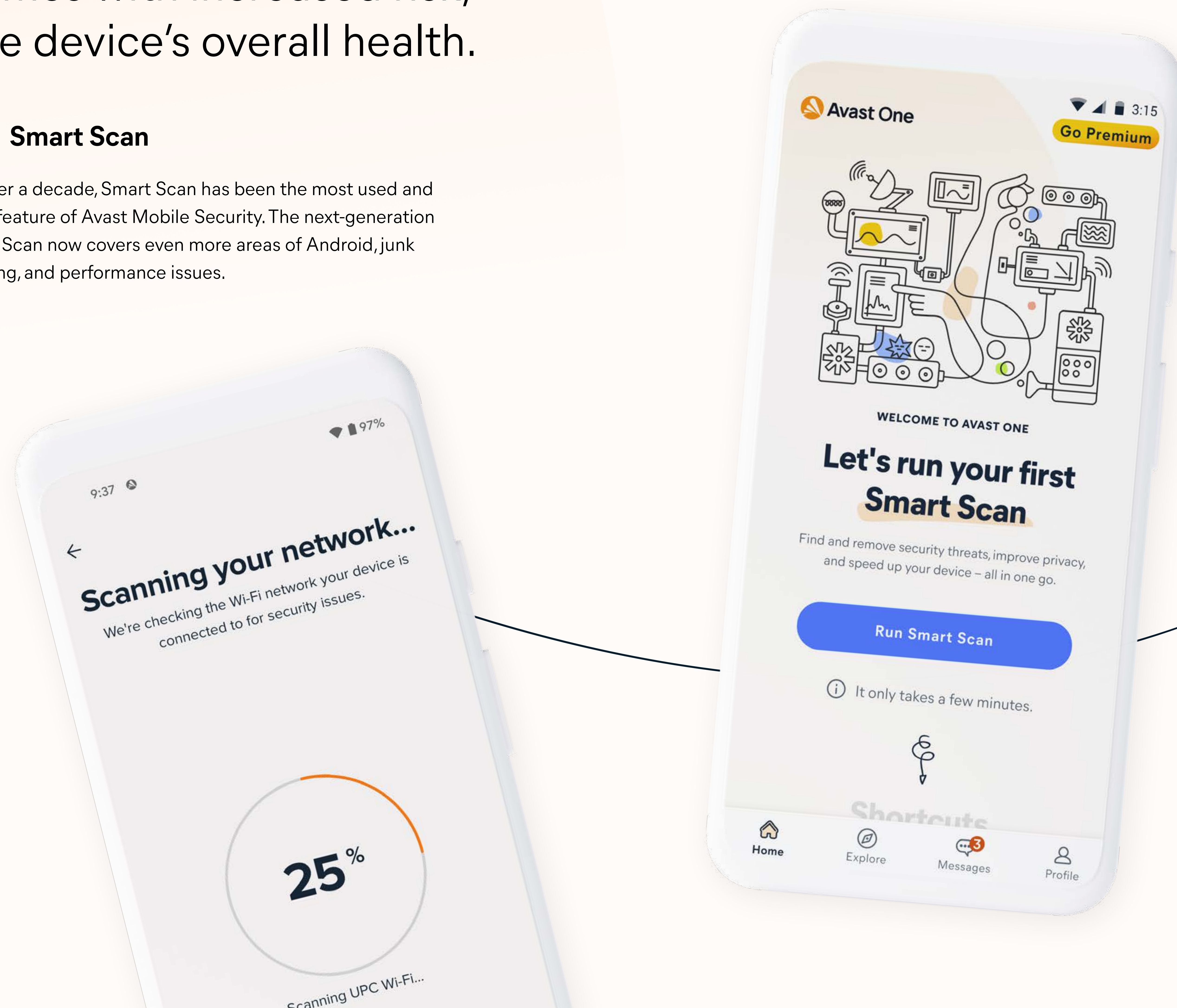
## Quick Actions

Scroll down to find 1-click-actions to quickly enable VPN, clean up the Android, or start a deep scan. Over time, Avast will add more quick actions and allow each user to customize their own.



## Smart Scan

For over a decade, Smart Scan has been the most used and loved feature of Avast Mobile Security. The next-generation Smart Scan now covers even more areas of Android, junk cleaning, and performance issues.





# Protection | Avast One Essential (FREE)

Threats lurk in all files and apps downloaded, even in some cases from the official Play Store, and especially once ventured outside to download unofficial APKs or files like PDFs. The lightweight protection engine runs silently on each phone and helps protect from mobile threats.

## File Shield

File Shield proactively scans any file added to or opened on Androids. It actively scans for threats within all apps before they are opened. If malware is detected, File Shield allows the user to ignore or remove it.

## Web Shield

Detects when the user visits a malicious site, for example a phishing site or a site containing malware, and gives a warning. In addition, it recommends turning on the VPN when a sensitive website such as a shopping or online banking site is opened.

## App Shield

Avast One for Android checks thousands of apps from around the world, using both static and dynamic analysis to detect and protect users from malicious applications. The static analysis checks the source code of programs for malicious features, while the dynamic analysis runs malware in a sandbox to observe its behavior to determine if a program is innocent or malicious.

## Wi-Fi Shield (Manual Scan)

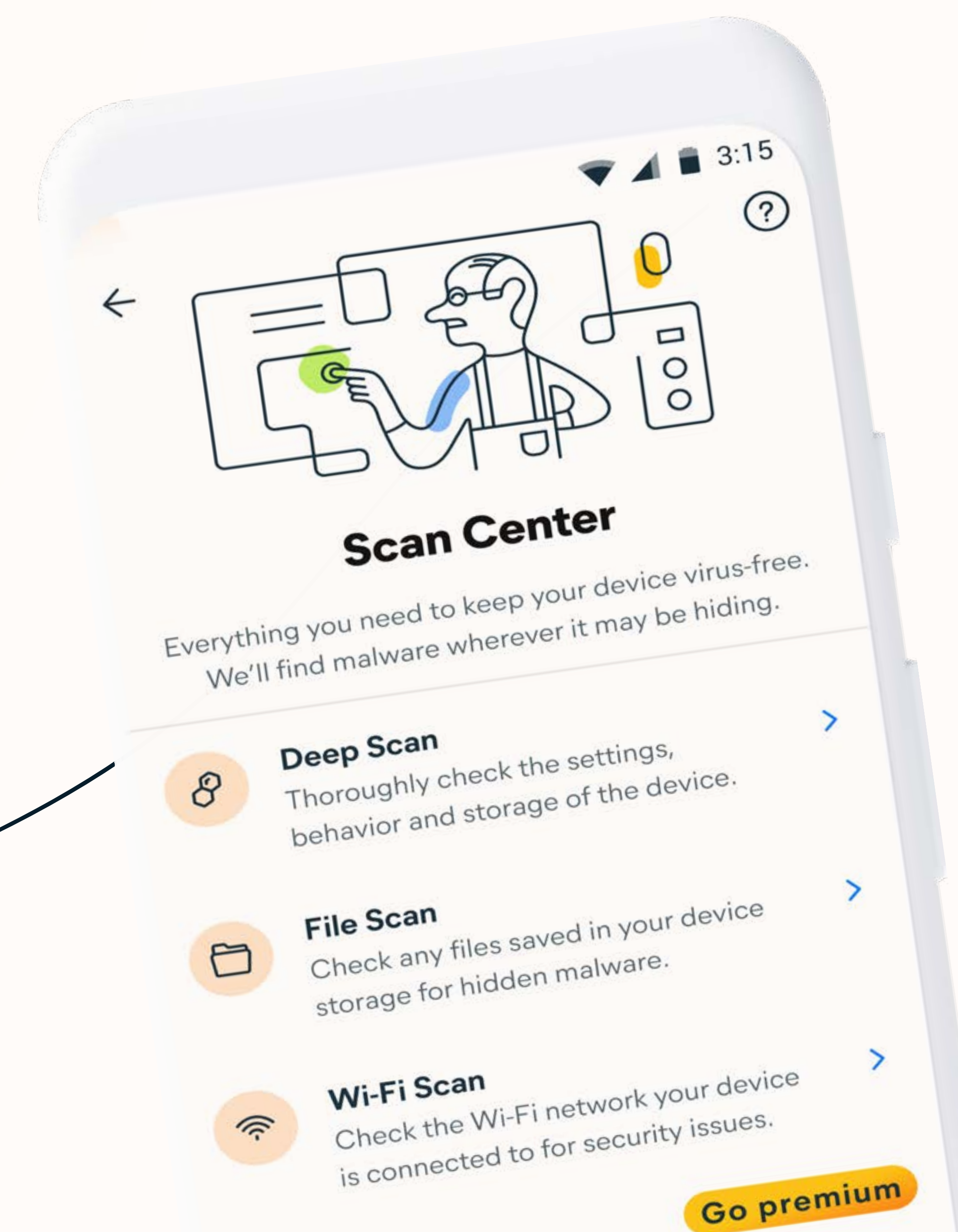
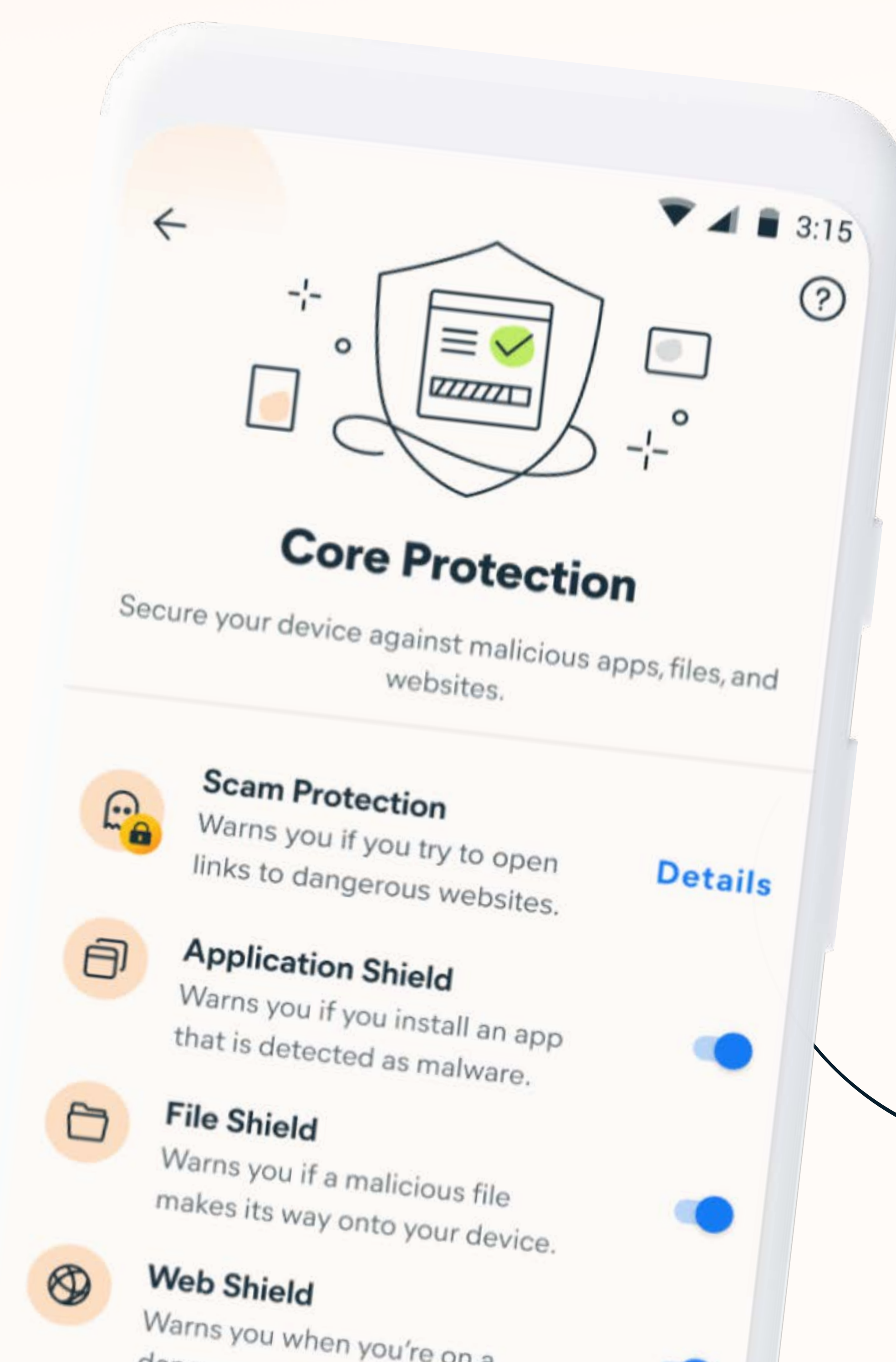
In the age of connected devices, Avast Wi-Fi Scan provides protection for the smart home by identifying weak passwords, vulnerable routers, compromised internet connections, and enabled, but not protected IPv6. By listing all the devices on the network, users are notified by new devices joining the watched network so users can make sure that only trusted devices are connected. If an issue is found, Avast offers solutions for how to fix it to keep users safe on both public and private networks.

## Scan Center (Manual Scan)

Scan Center runs a scan for all sorts of Android malware — from top to bottom. Avast's targeted scan lets the user scan specific sections of the phone or SD cards.

## **NEW** Online Safety Score

Online Safety Score gives the user regular feedback on their digital habits as well as personalized tips on how to improve their online and device safety. The score is calculated by analyzing the cyber hygiene of three areas on Android: are the apps that are installed and used secure and free of malware, is the user visiting websites that are risky for security and privacy, and is the user using risky security settings such as USB Debugging enabled, a feature that deactivates protections to enable data transfer from an Android device to a computer, and App Installation from Unknown sources enabled, since many malicious apps spread outside the official app stores. The safer the device, the higher the score.





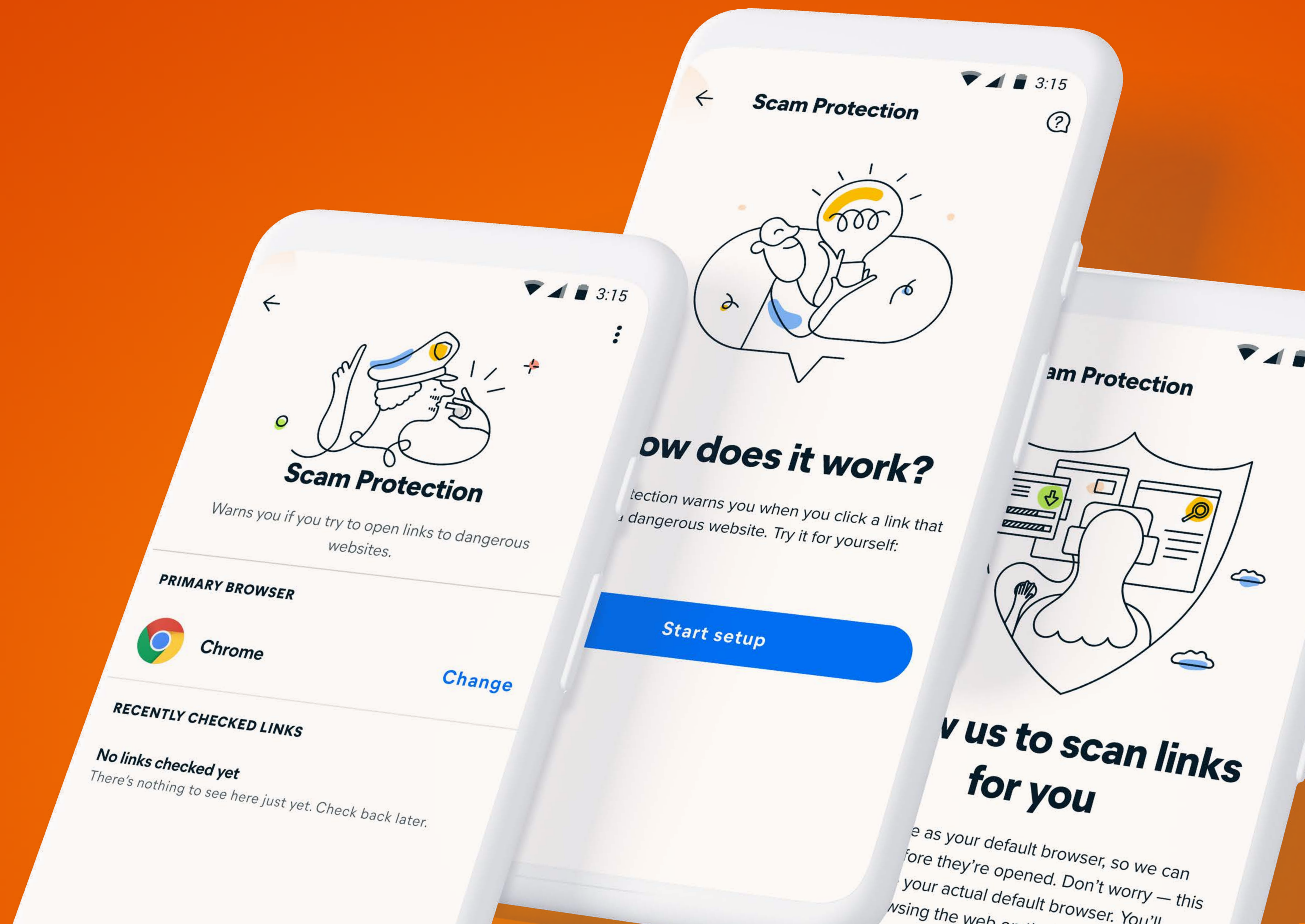
# Protection | Avast One Individual/Family (PAID)

## Scan Center and Wi-Fi Scans (Automatic)

The premium version of Avast One for Android lets the user schedule scans for malware and vulnerable Wi-Fi networks automatically, taking away all the worry of malware infections on the phone.

## NEW Scam Protection

Scam Protection notifies the user when they receive a message, over SMS, social media or messaging apps, with a potentially dangerous link. If a link is safe, it automatically opens in the browser. If the link is dangerous, the user is notified so they can decide if they would like to ignore the link or continue at their own risk.





# Privacy - VPN | Avast One Essential (FREE)

Avast One for Android is going the extra mile protecting users' privacy with a full-blown VPN and Data Leak Monitoring.

## VPN traffic

The VPN allows users to establish a secure connection with a 5GB/week traffic limit, a unique offering even in competitive VPN products. In Essential, users cannot choose their desired location to connect to.

## Optimal Location

Avast One's built-in VPN includes a handy Optimal Location setting. Once the user switches on the VPN, there's nothing else to set up: Avast VPN algorithms take into consideration server proximity to ensure the best performance, no matter where the user is — automatically.

## Infrastructure load balancing

All of the Avast VPN gateways run on dedicated hardware servers with enough excess capacity to maintain performance even under peak loads. Avast runs smart systems on top that automatically balance traffic across different servers to make sure none of them get overloaded, and all of them operate smoothly.

## 256-bit Advanced Encryption

Once the VPN is enabled, all traffic from the user to the server is being encrypted using AES 256 encryption, making it virtually uncrackable. It's the same encryption standard used by banks, credit card companies and governments to protect their data.

## DNS leaks protection

DNS leaks could reveal a user's IP address by accidentally revealing the address to the ISP. A DNS leak refers to a security flaw that allows DNS requests to be revealed to ISP DNS servers, despite the use of a VPN service to attempt to conceal them. In such a case an ISP or other entities can see the apps used and the website a user visits.

Avast's extra layer makes sure that all DNS requests are encrypted again on top. DNS requests are encrypted by Avast and sent to Avast secure DNS servers to protect users from possible DNS leaks that could reveal a real IP address. This ensures user privacy from an ISP and any other on-path eavesdropper.

## Location masking

An IP address is one of the main ways advertisers, internet service providers and others keep track of users across the web. It can also reveal a user's real-world location. Avast servers act as a mask that provides a new IP address, so the geographic location and thus the user's identity stays hidden.

## Single shared IP

Whenever connected to one of the Avast servers, the same IP address is revealed as others connected to it — making it that much harder for the traffic on that server to be associated with anyone. Sharing ones IP address with other people also makes it harder to profile their online behavior.

## Sensitive Content Detection

When enabled, Avast will warn users if they try to access sensitive sites such as online banking, or sites with sensitive content, without proper encryption. It then suggests turning on a VPN connection.

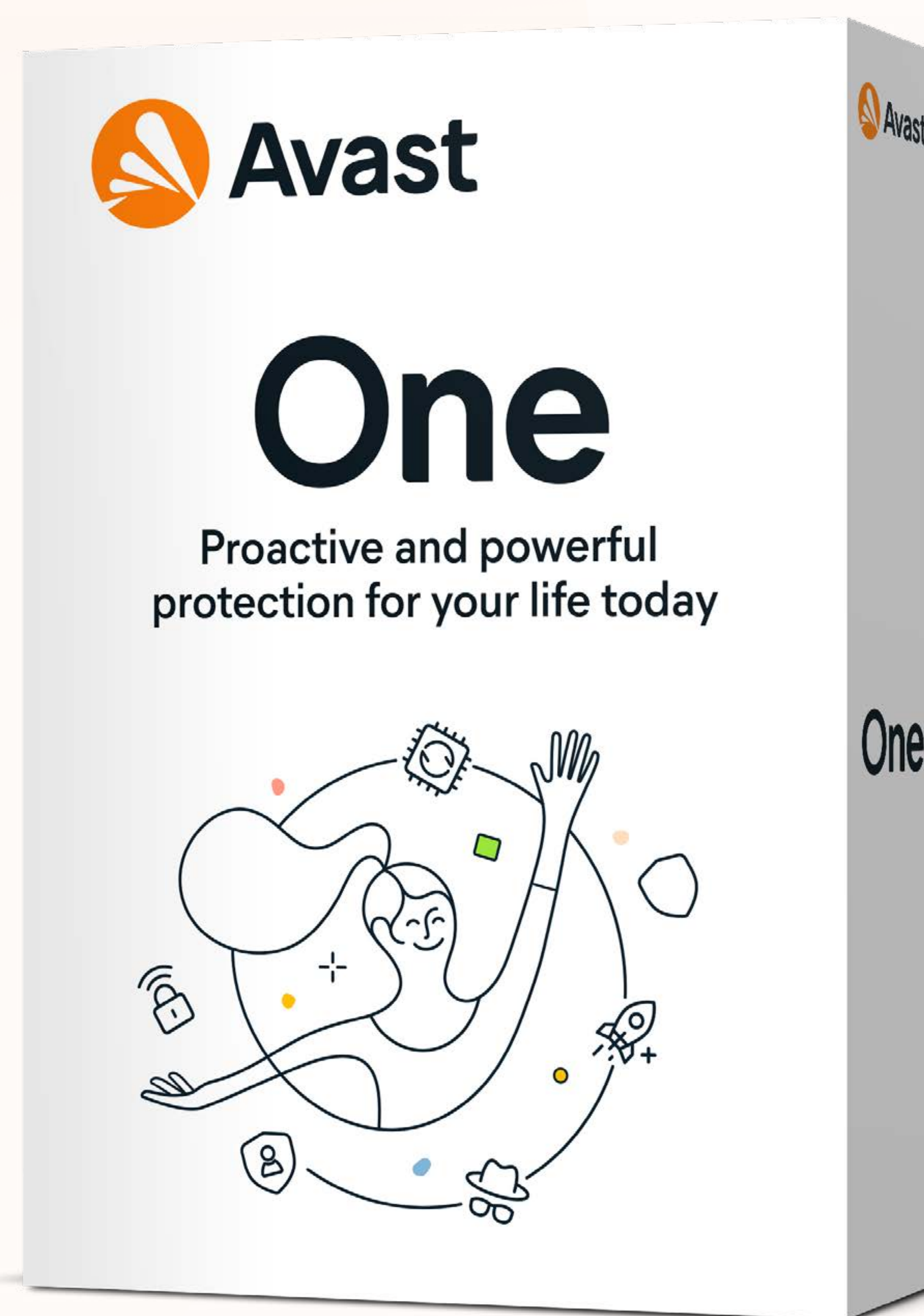




# Privacy | Avast One Essential (FREE)

## Data Breach Monitoring (Limited)

Data Breach Monitoring enables a user to find out if their accounts have been compromised due to a data breach. As a free and paid user, they can scan data lists of data breaches to see if the passwords of their online accounts have been exposed.

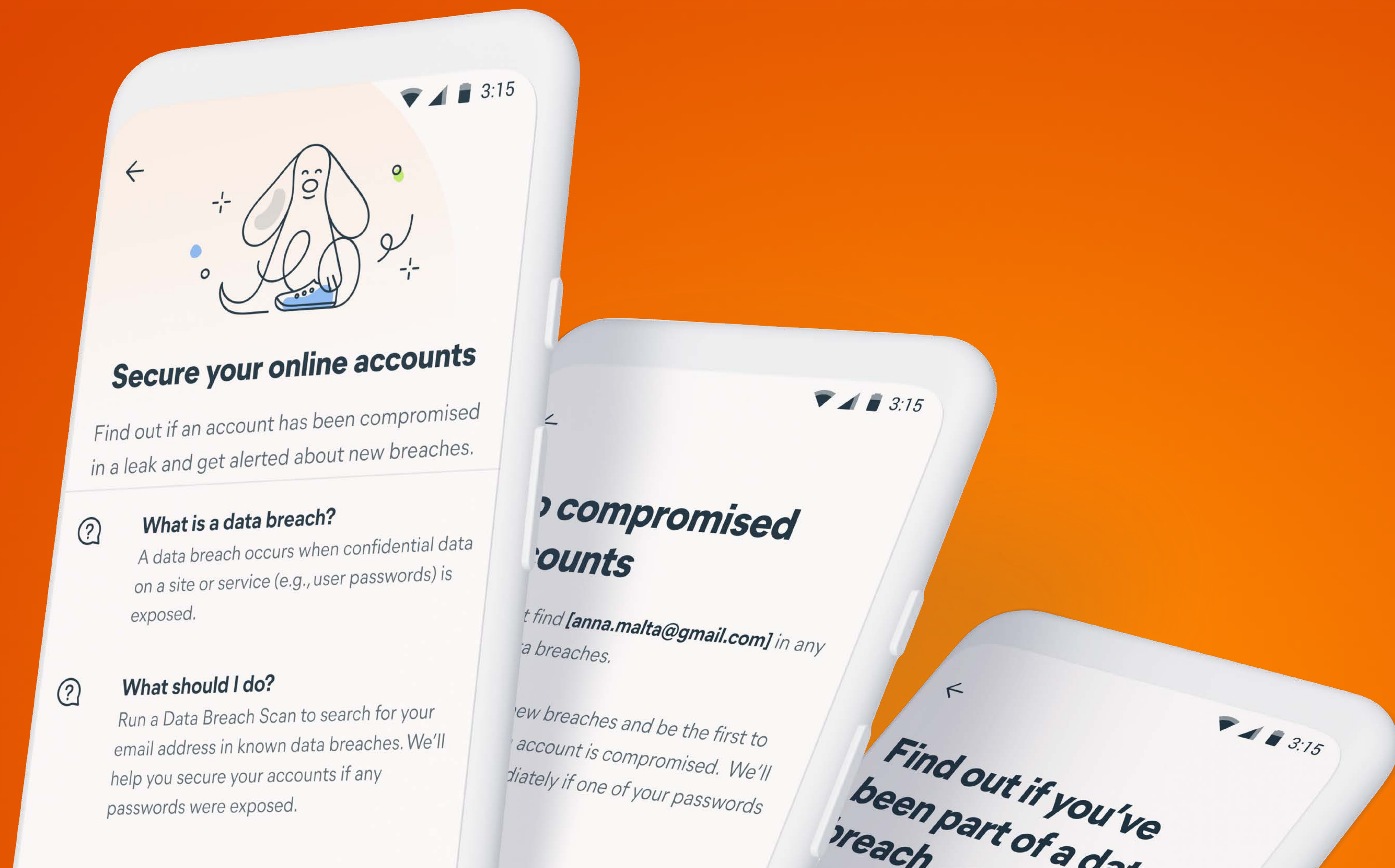




# Privacy | Avast One Individual/Family (PAID)

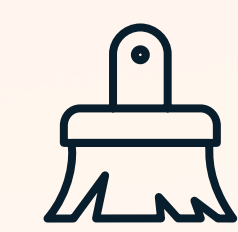
## Data Breach Monitoring

In the paid version, each user can set up monitoring to automatically receive breach alerts when the password to an online account has been compromised in a data breach, helping secure those accounts by changing their passwords. People can automatically monitor five (Individual) or ten (Family) emails via the Data Breach Monitoring feature to observe whether they have been compromised in a data leak.



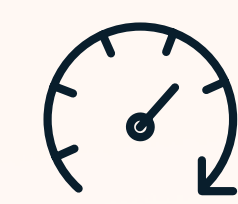


# Performance | Avast One Essential (FREE)



## Junk Cleaner (Manual)

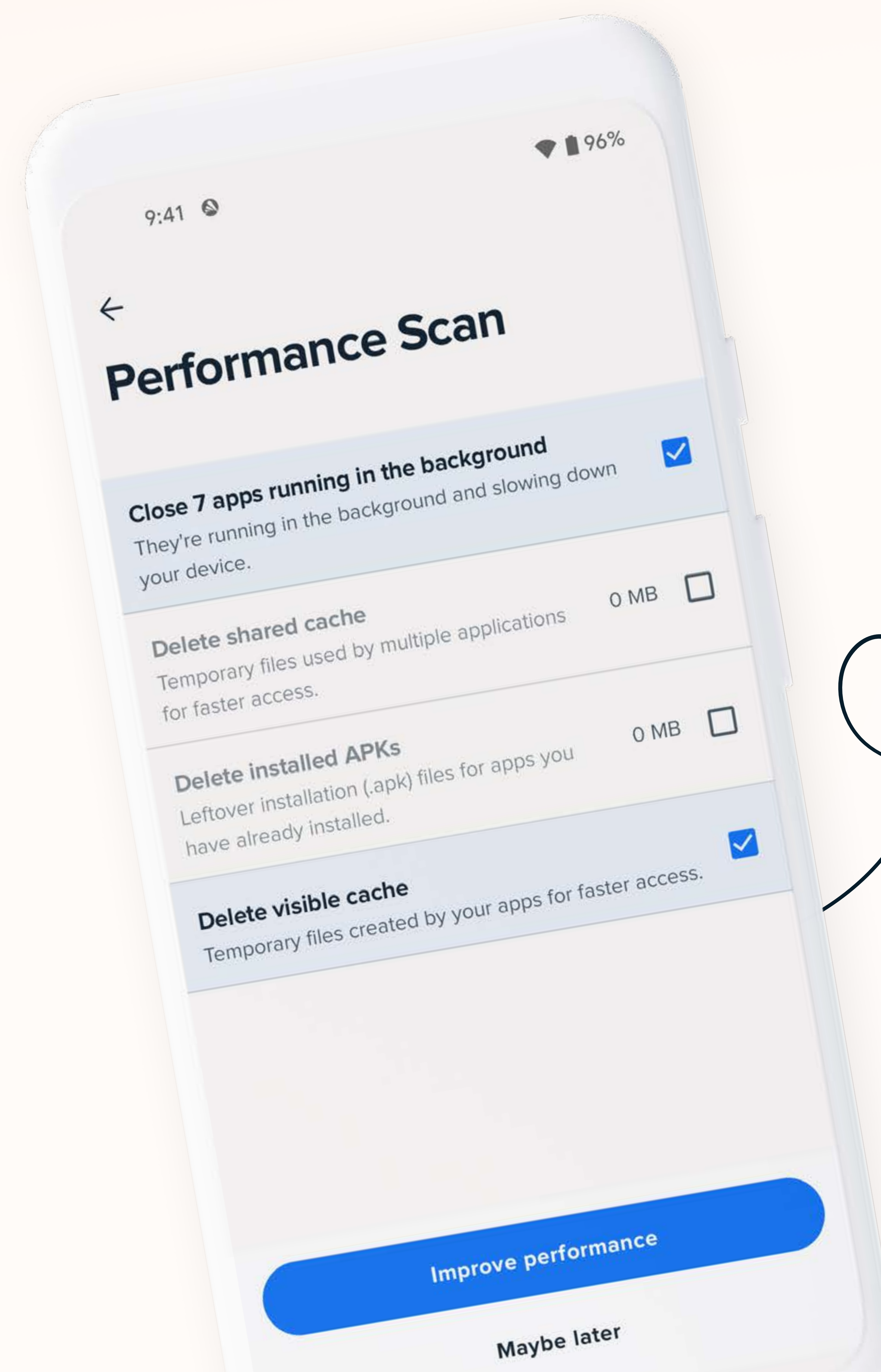
Junk Cleaner scans each Android phone for unnecessary junk files, such as hidden caches, abandoned APK files, log data, and more. None of this data is needed anymore, but gets created by the system on a regular basis.



## App Hibernation

Detects background apps that slow down a phone and drain its battery life —and lets the user turn them off with one tap.

By disabling apps their processes will temporarily stop and can not drain your phone anymore. However, when they are launched manually, they will start and work fine.



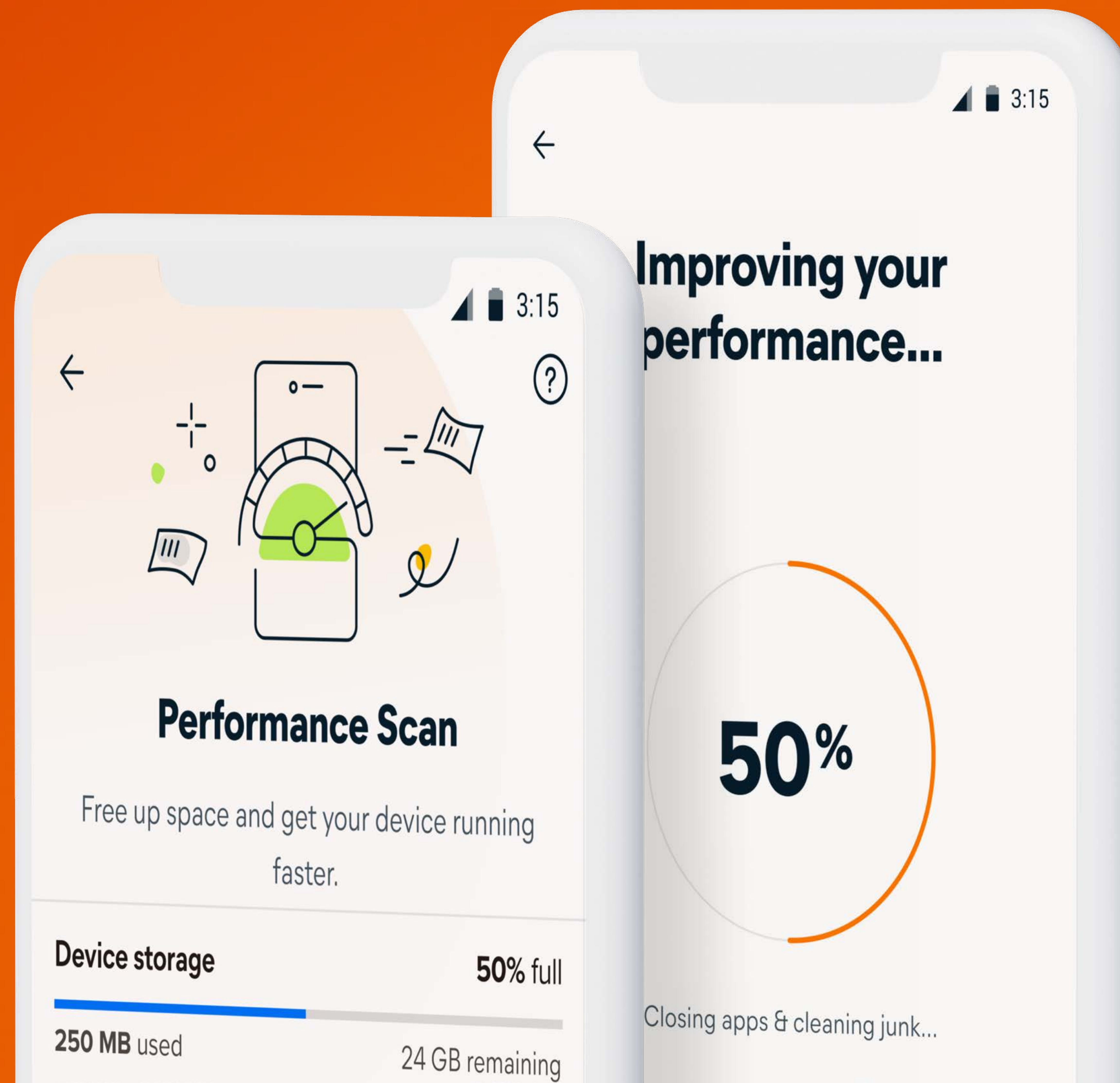


# Performance | Avast One Individual/Family (PAID)



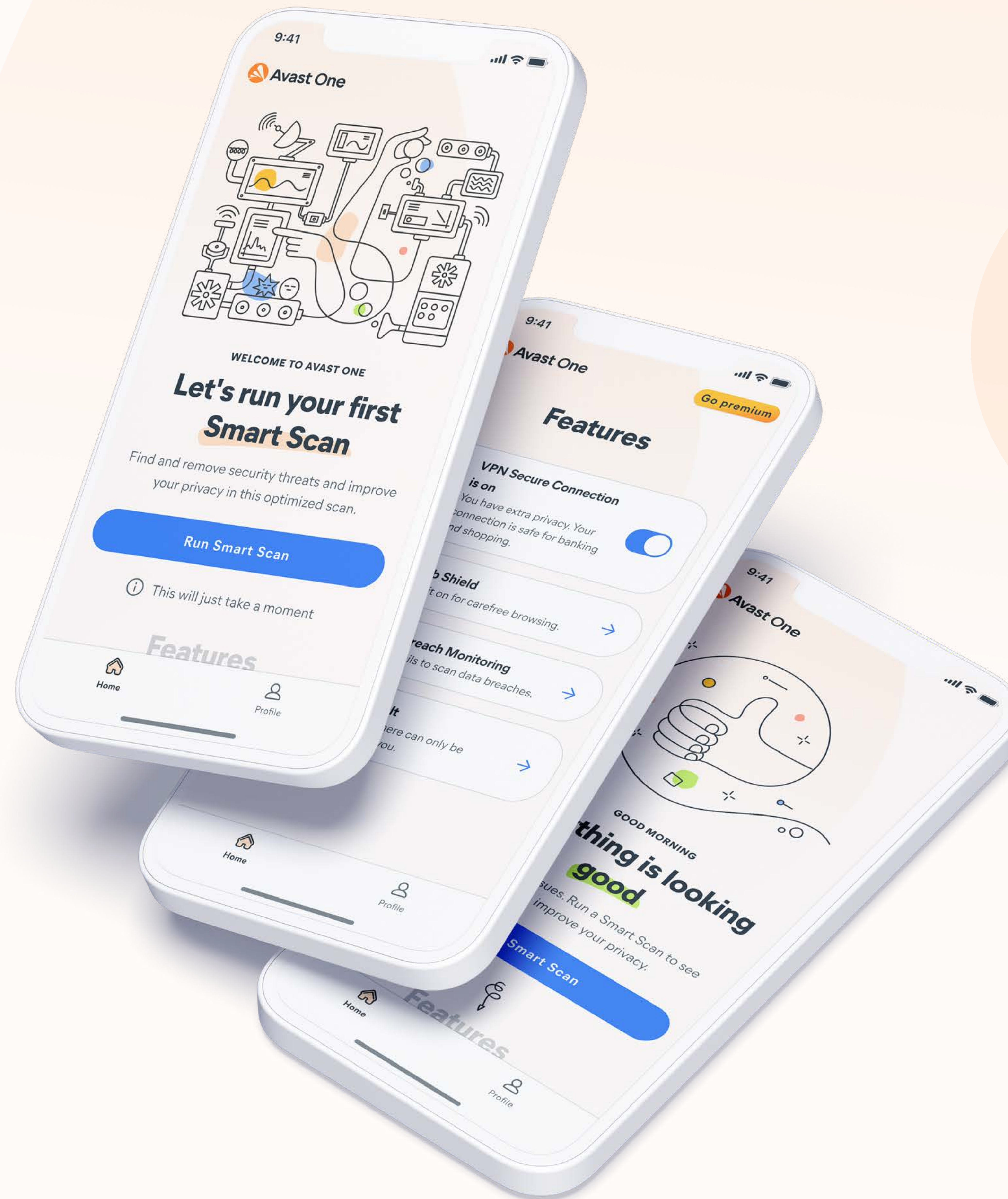
## Junk Cleaner & App Hibernation (automatic)

Performs both junk cleans and hibernates apps (see above) fully automatically or on a regular schedule that you can set.





ios





# iOS | Avast One Essential (FREE)

Despite Apple locking down its iOS, there are plenty of threats waiting for users when browsing the web.

Avast One for iOS app gives users a Web Shield, a fully-featured VPN solution, and Data Leak Monitoring in one package.

## Web Shield

Detects when the user visits a malicious site, for example a phishing site or a site containing malware, and gives a warning.

In addition, it recommends turning on the VPN when a sensitive website is opened, such as a shopping or banking site.

## Photo Vault

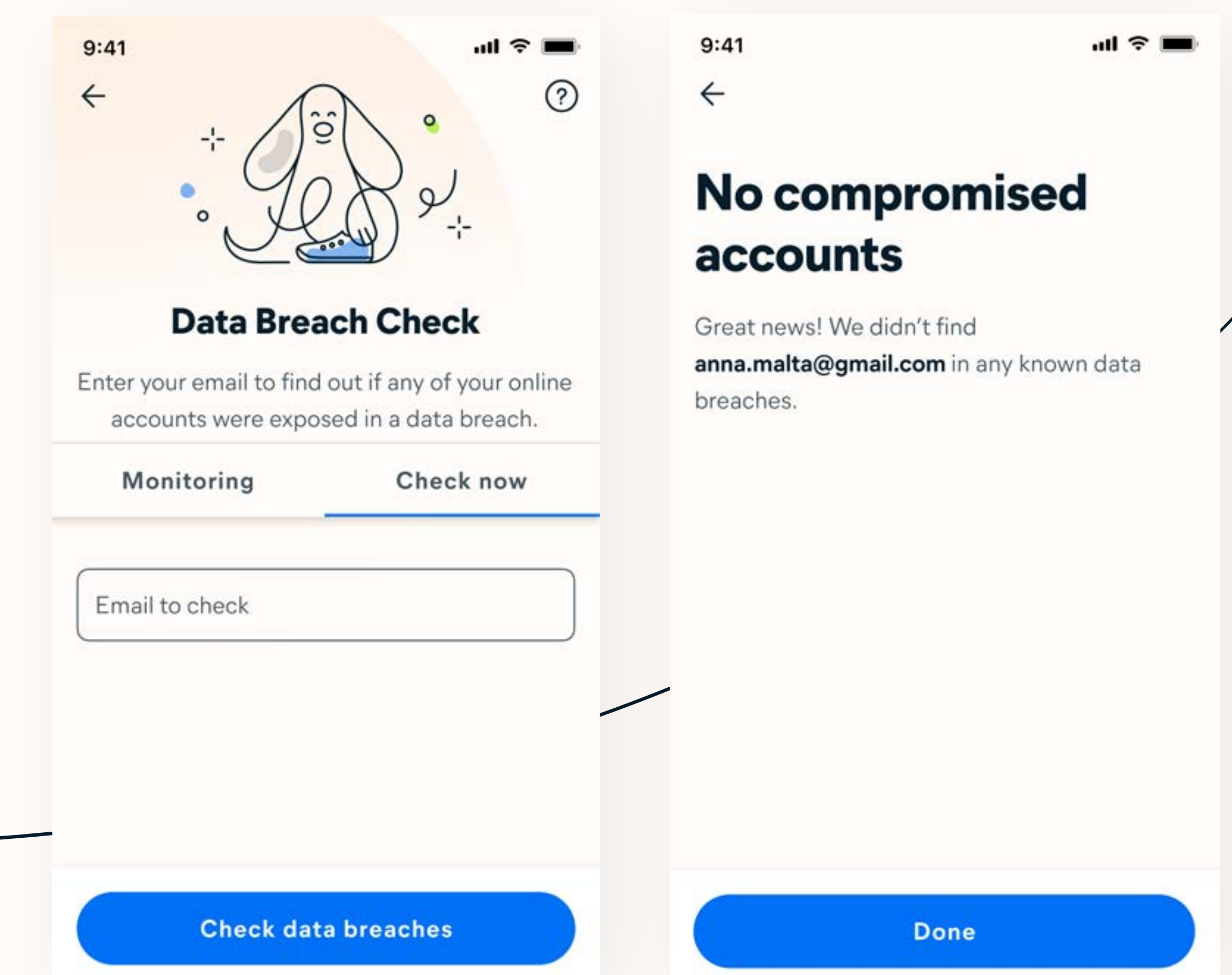
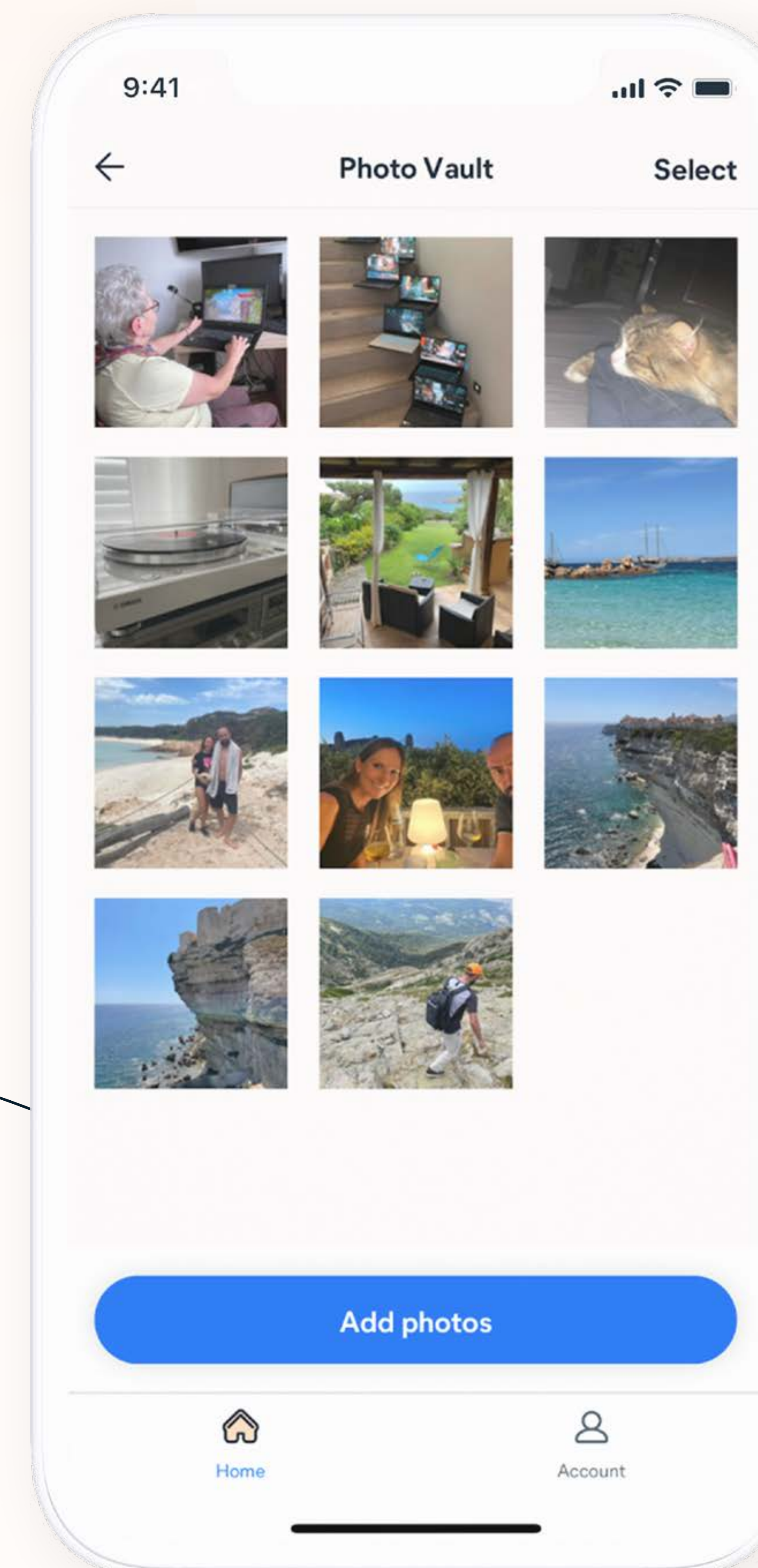
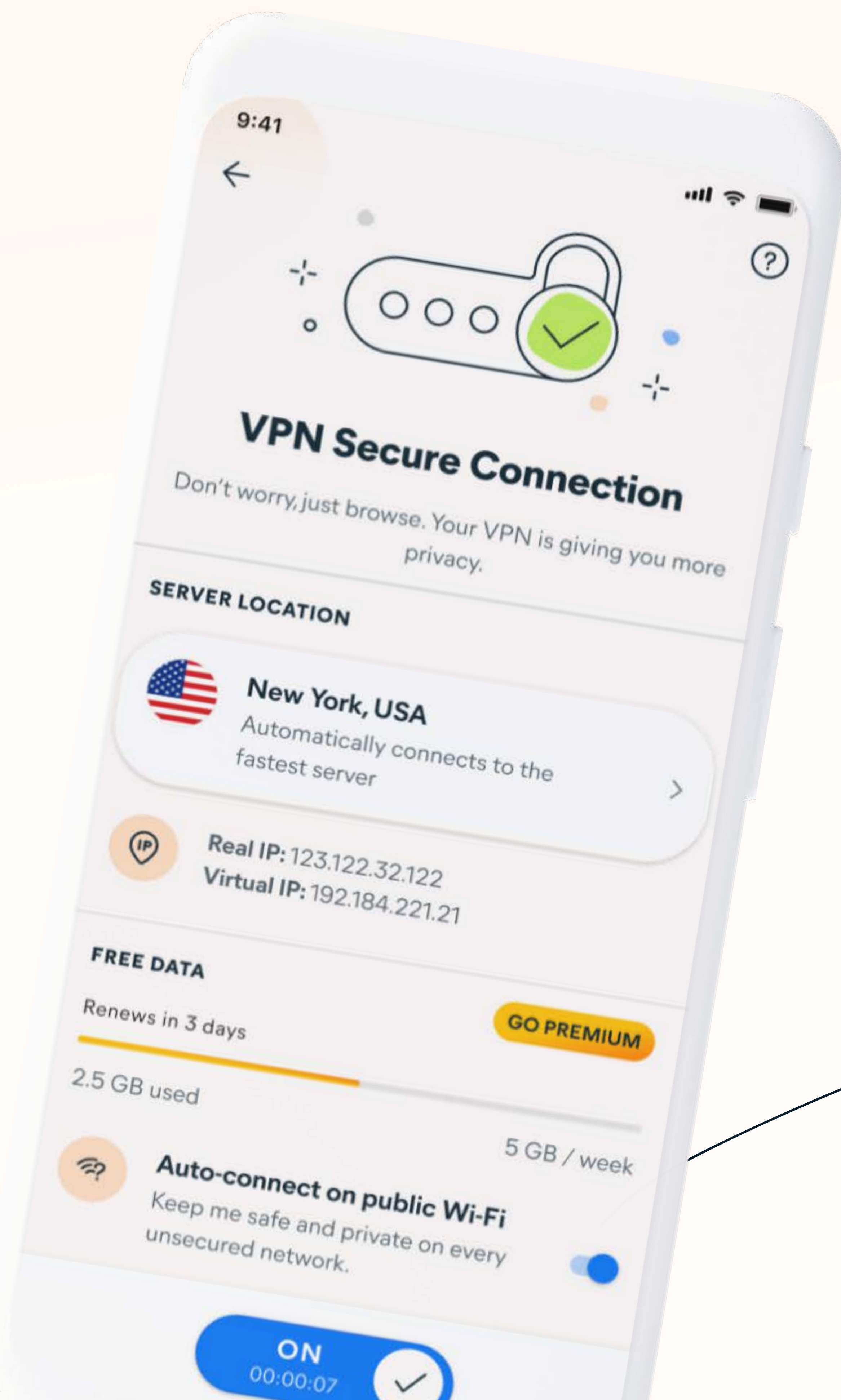
Allows users to put photos in a safe and protected place inside the Avast One app.

These photos can be protected with a passcode so that no one — even with access to the phone can open them.

## Data Breach Monitoring (Limited)

Data Breach Monitoring enables a user to find out if their accounts have been compromised due to a data breach.

As a free and paid user, they can scan data lists of data breaches to see if the passwords of their online accounts have been exposed. In addition, Avast One gives users plenty of recommendations.

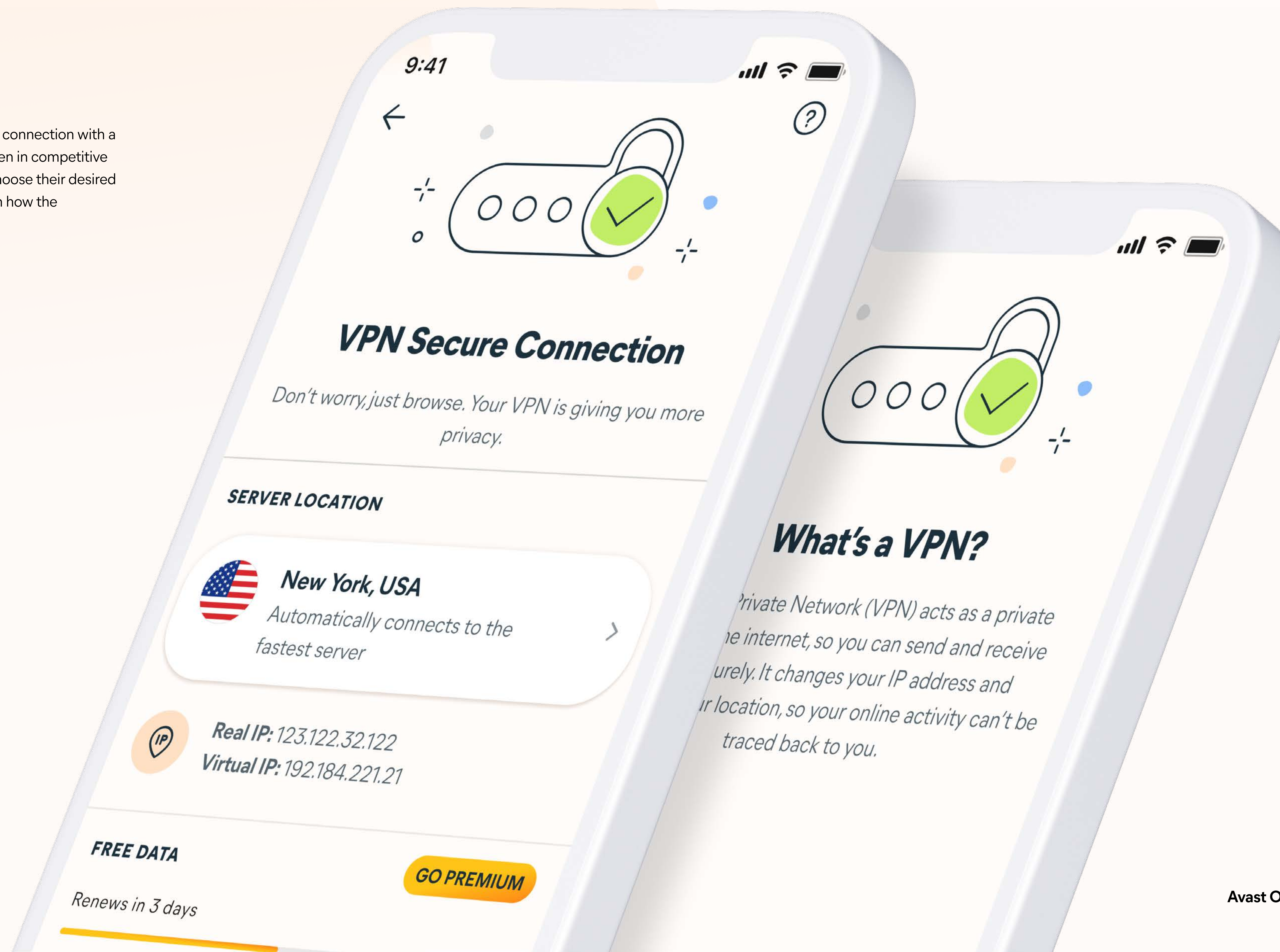






## Built-in VPN

The VPN allows users to establish a secure connection with a 5GB/week traffic limit, a unique offering even in competitive VPN products. In Essential, users cannot choose their desired location to connect to. More information on how the VPN works can be found on page 43.





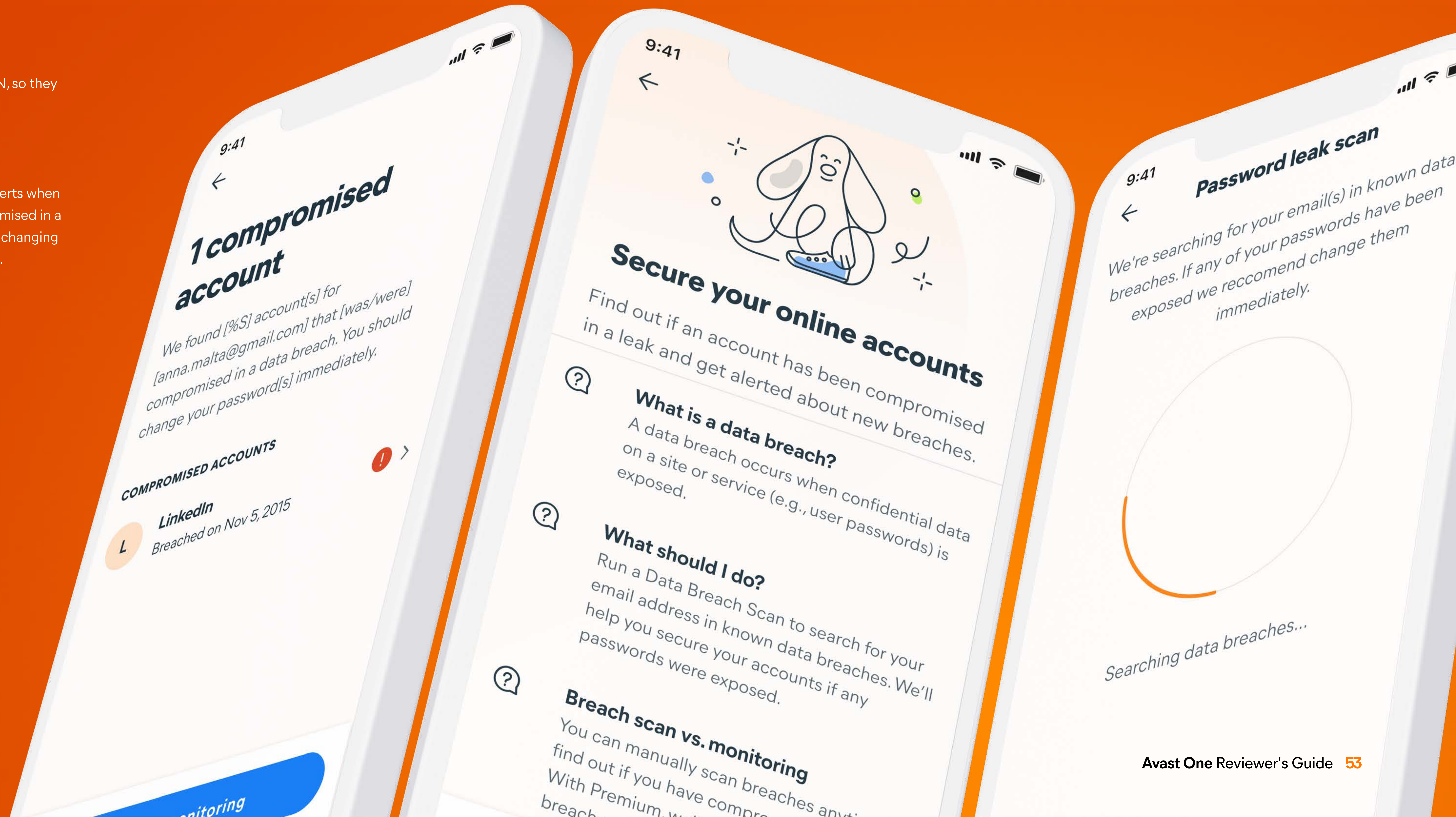
# iOS | Avast One Individual/Family (PAID)

## No VPN limit

In Avast One, users have no traffic limit for their VPN, so they can browse privately.

## Data Leak Monitoring

Each user can set up monitoring to receive breach alerts when the password to an online account has been compromised in a data breach, helping them secure those accounts by changing their passwords. It supports five emails per account.





# Resources

## Avast One for Windows (Essentials & Premium)

- ✓ [Product download URL](#)
- ✓ [Screenshots](#)
- ✓ [Box Shot](#)
- ✓ [Pricing](#)

[Customer support options](#)

## Avast One for Mac (Essentials & Premium)

- ✓ [Product download URL](#)
- ✓ [Screenshots](#)
- ✓ [Box Shot](#)
- ✓ [Pricing](#)

[Customer support options](#)

## Avast One Android (Essentials & Premium)

- ✓ [Product download URL](#)
- ✓ [Screenshots](#)
- ✓ [Box Shot](#)
- ✓ [Pricing](#)

[Customer support options](#)

## Avast One for iOS (Essentials & Premium)

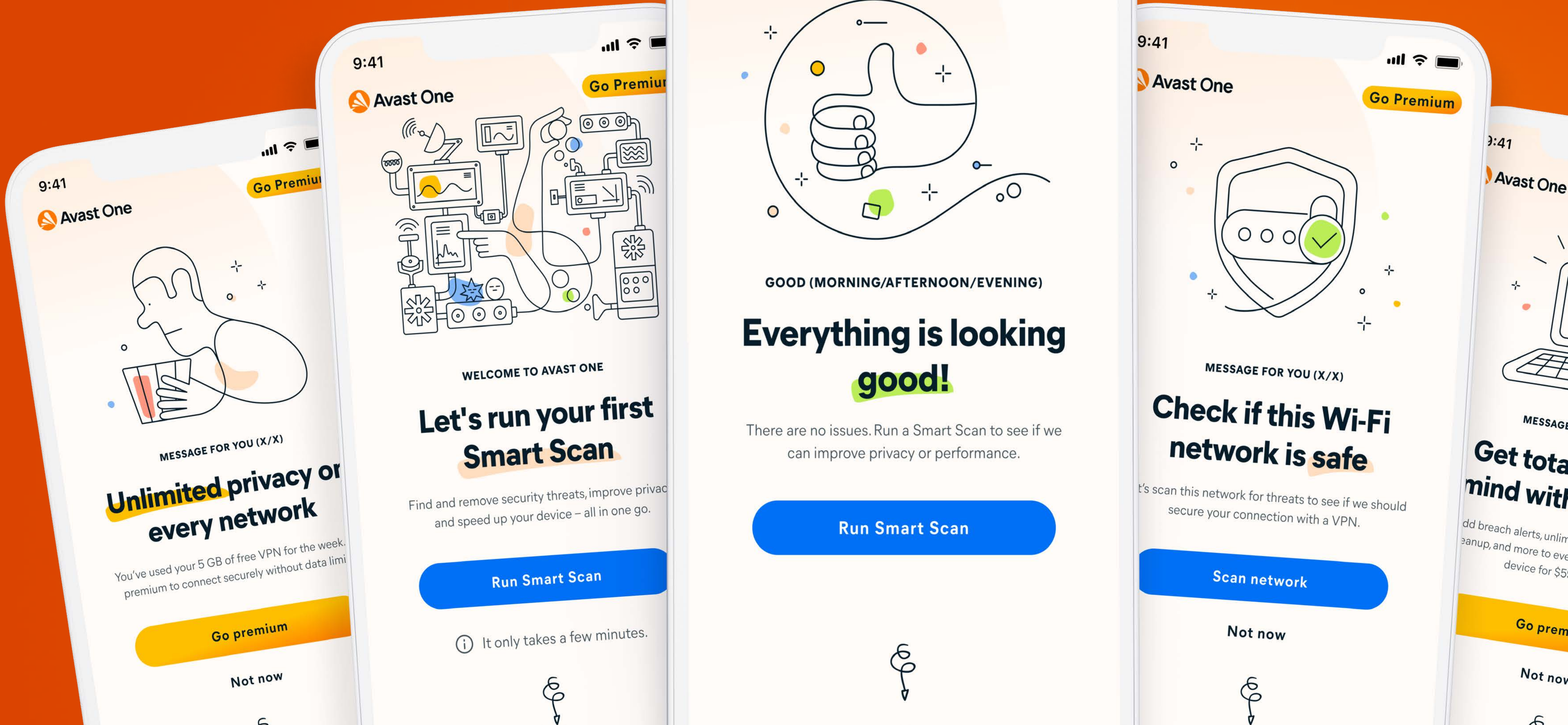
- ✓ [Product download URL](#)
- ✓ [Screenshots](#)
- ✓ [Box Shot](#)
- ✓ [Pricing](#)

Up-to-date pricing and promotions can be found on the [Avast website](#).





...now let's reset your internet relationship





## Privacy Policy

As one of the world's most trusted **antivirus software** companies, we aim to defend our users against threats in cyberspace. To do so, we may have to collect personal data to provide our users with the best weapons and the most up-to-date security.

We have technical product experts who can quickly get in touch to help you through any of your product testing scenarios or questions. All other trademarks are the property of their respective owners.

## Avast PR & Technical | Contact Information

If you are a member of the press, please contact **PR@avast.com** if you have any questions regarding Avast or any of its products. Media materials can be found at **<https://press.avast.com>**.

We do not take this trust for granted so we've developed a Privacy Policy that covers how we collect, use, disclose, transfer, and store your personal data. Our full privacy policy, which includes why and how we process data, and how we disclose and protect our users personal data, can be found [here](#).

