

AVAST® SECURE BROWSER

REVIEWER'S GUIDE 2020

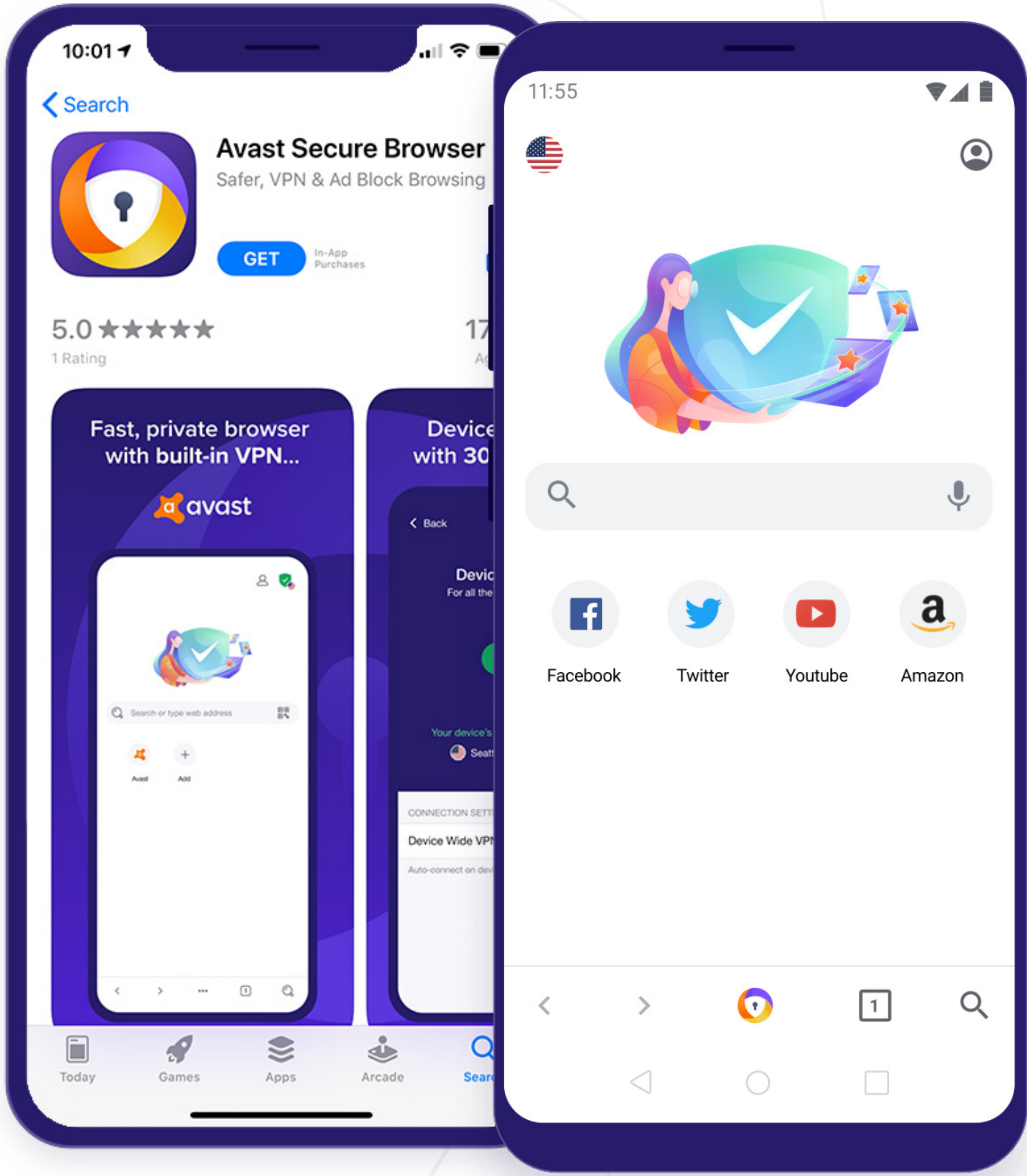


TABLE OF CONTENTS

A	Introduction	4	E	Avast Secure Browser for iOS.....	25
	Avast Sync	6		Security	26
B	Avast Secure Browser for PC.....	7		Privacy.....	27-28
	Security	8		Performance	29
	Privacy.....	9-10		Avast Secure Browser PRO for iOS	30
	Performance	11		Product comparisons	31
	Product comparisons	12	F	Feature to Feature	32
C	Avast Secure Browser for Mac	13		Product comparisons	33
	Security	14	G	Connect & Download the Product.....	34
	Privacy.....	15		Download a review copy	35
	Performance	16		Avast PR & Technical	36
	Product comparisons	17			
D	Avast Secure Browser for Android.....	18			
	Security	19			
	Privacy.....	20-21			
	Performance	22			
	Avast Secure Browser PRO for Android.....	23			
	Product comparisons.....	24			

The background features a series of concentric circles in various shades of purple and blue. In the center, there is a stylized keyhole shape, also in a darker shade of purple. The overall design is modern and minimalist.

INTRODUCTION **A**

A MAKING THE WEB FAST, SECURE, AND PRIVATE

Introduction

As experienced engineers of consumer security products, at Avast, we believe the web browser of tomorrow is a single platform that curates and simplifies today's fragmented security and privacy services to enable a safer and faster browsing experience — across all devices.

Consumers are connected 24/7 and expect to get online whenever and wherever they want — as fast as they can. We aim to make the online experience as safe and convenient as possible with Avast Secure Browser. That means protection against cyberthieves, invasive advertisers, and intruders invading user privacy by following their lives online.

The browser is essentially the OS of the internet. It is where users commune, collaborate, work, research, shop, bank, sign important documents, communicate, consume entertainment, and live their digital lives. Unfortunately, all this potential for connecting, working, and playing, also leads to a high level of potential risk.

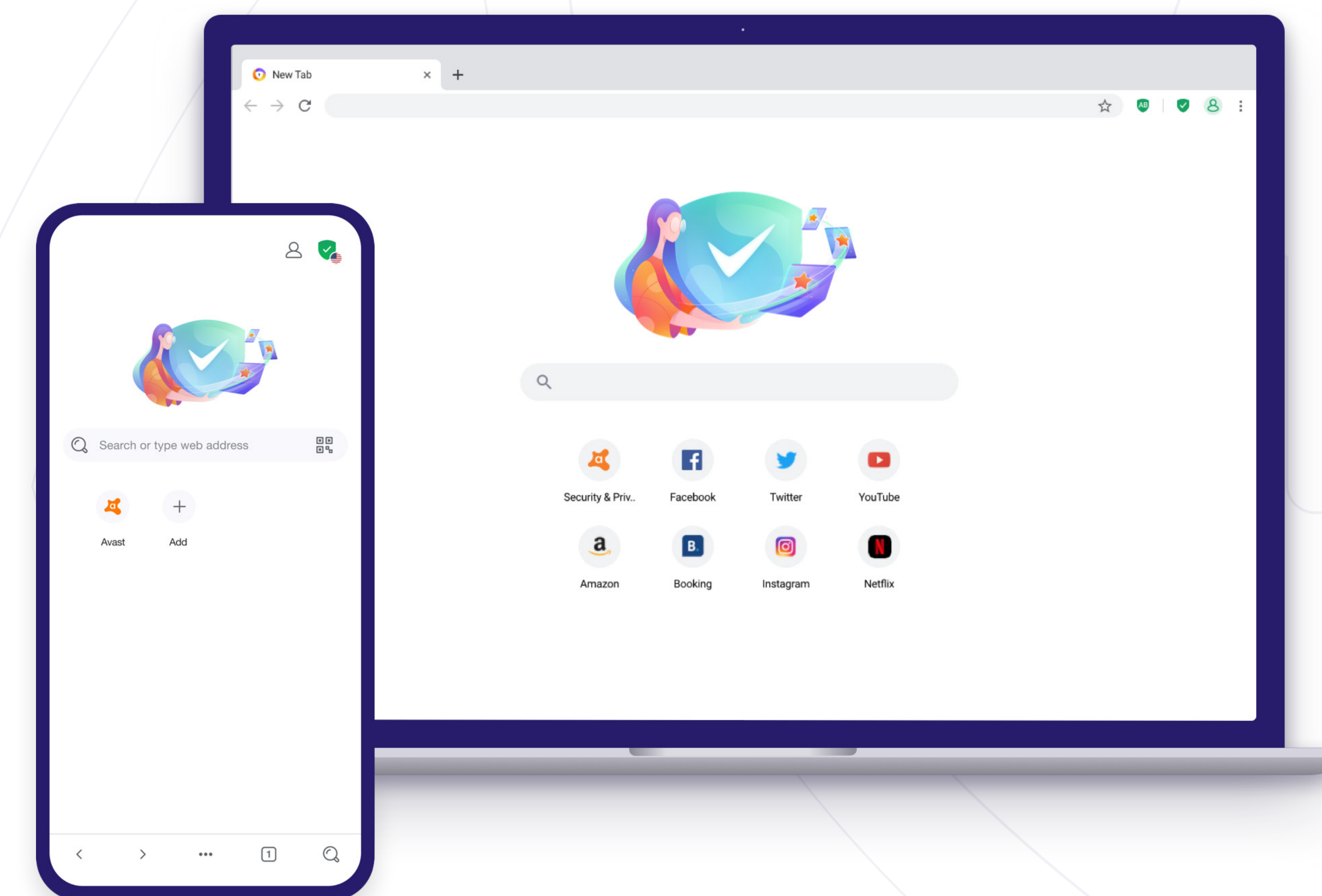
When we browse without any security features, or unknowingly don't have them engaged (which is often the case due to the default

settings in leading browsers), we open ourselves up to hackers. Thieves can steal identities, 'borrow' our credit card information to make purchases from others accounts, or simply pass on browsing habits to others — making a profit exploiting our privacy.

This is why the security and privacy of the browser is — and will be — at the top of the priority list for consumers in coming years. The more users browse, the more likely they are to be targeted by crooks and criminals looking to exploit them.

Those who do offer security features treat it secondary to performance, or bury those features deep within settings which many users don't access. The Avast Secure Browser offers a high level of performance, while introducing a dedicated user console to better manage their online security and privacy needs.

The best part? It includes added protection from the world's foremost cybersecurity experts, including expert banking and password security. In short, it's everything a user needs to stay more secure online — without having to do anything out of the ordinary to get it.



A MAKING THE WEB FAST, SECURE, AND PRIVATE

Introduction

A user can access all these features from the Security & Privacy Center to suit their everyday browsing needs.

Since most individuals either adopt whatever browser that comes with their desktop and mobile, or spend less time looking at the settings for security features, they are at risk of computer hackers, identity theft, spying, malware and more — every time they go online.

In offering Avast Secure Browser, we hope to deliver the security and privacy users need, while still respecting the performance and ease of use that consumers have come to demand from a browsing experience.

SECURITY

Phishing scams, devices getting hacked, attacks on personal banking accounts, and a growing interest in cryptocurrencies means browsers are becoming more vulnerable than ever before. It's important to make sure that you are safe and secure online and to keep your browser up to date. Click only on links you trust and make sure you are using a strong password, with the help of a Password Manager.

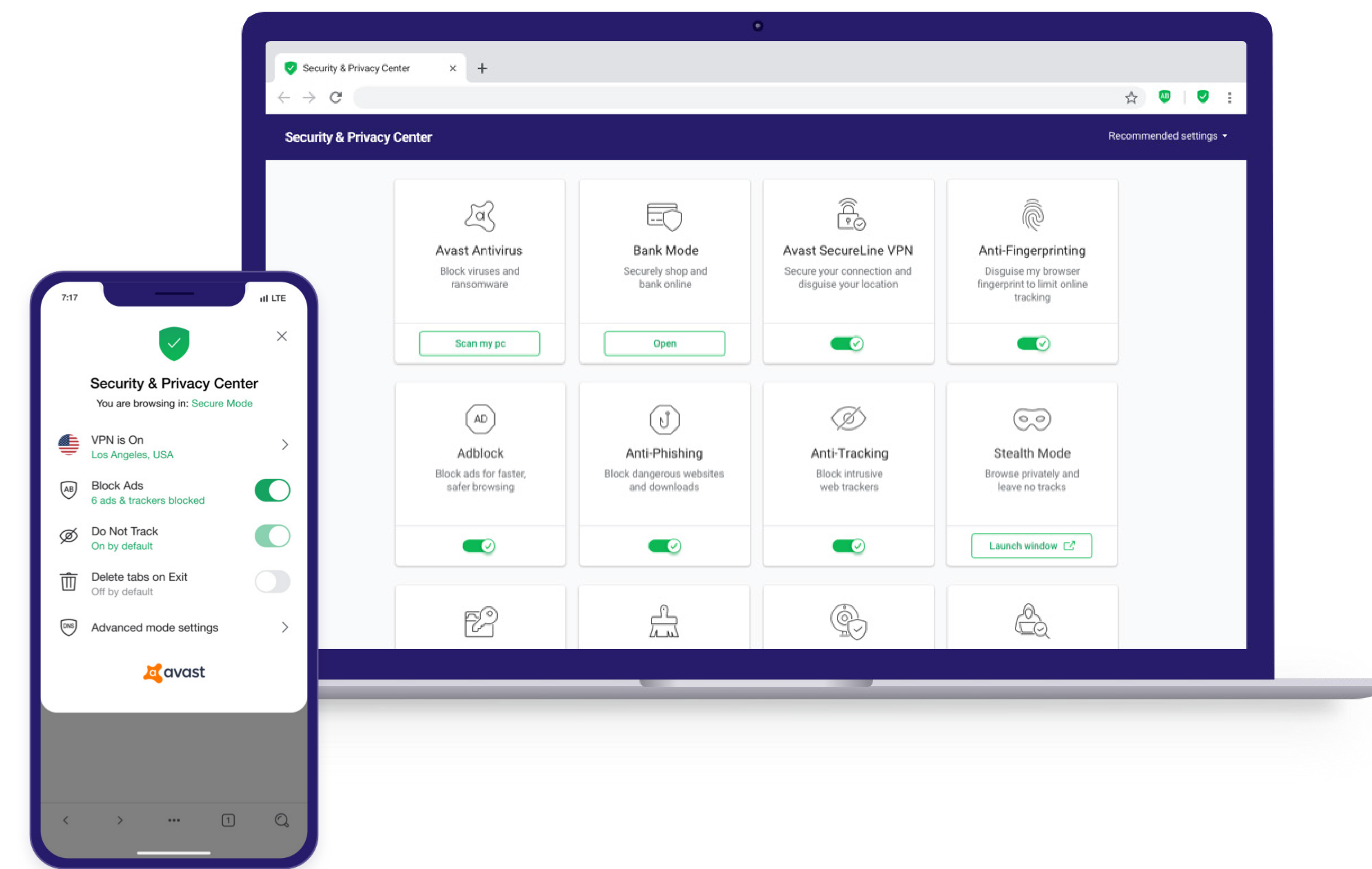
PRIVACY

Staying private while browsing online is almost impossible with ad networks and ad tracking companies finding ever more sophisticated ways to track your digital and personal life. Tracking and behavioral monitoring technology has become a trend. Content and ad blockers are in demand. When you try to block everything, you might have privacy, but risk websites breaking — which can in turn lead to an interrupted browsing experience. Our browser gives users a seamless browsing experience, while maintaining user privacy.

PERFORMANCE

Ads are more than an annoying eyesore: they can slow your browsing down, and may even contain malicious content. But without ads, we wouldn't be able to view our favorite products, access on-demand services, or make our dream vacation a reality. On top of that, whether you like to have multiple tabs open while you browse, or you're a tab minimalist, tabs can use a lot of your CPU and RAM — which affects performance.

A user can access all these features from the Security & Privacy Center to suit their everyday browsing needs.



Since most individuals adopt whatever browser that comes with their desktop and mobile, and spend less time looking at the settings for security features, they are at risk of computer hackers, identity theft, spying, malware, and more — every time they go online.

In offering Avast Secure Browser, we hope to deliver the security and privacy users need, while still respecting the performance and ease of use that consumers have come to demand from a browsing experience.

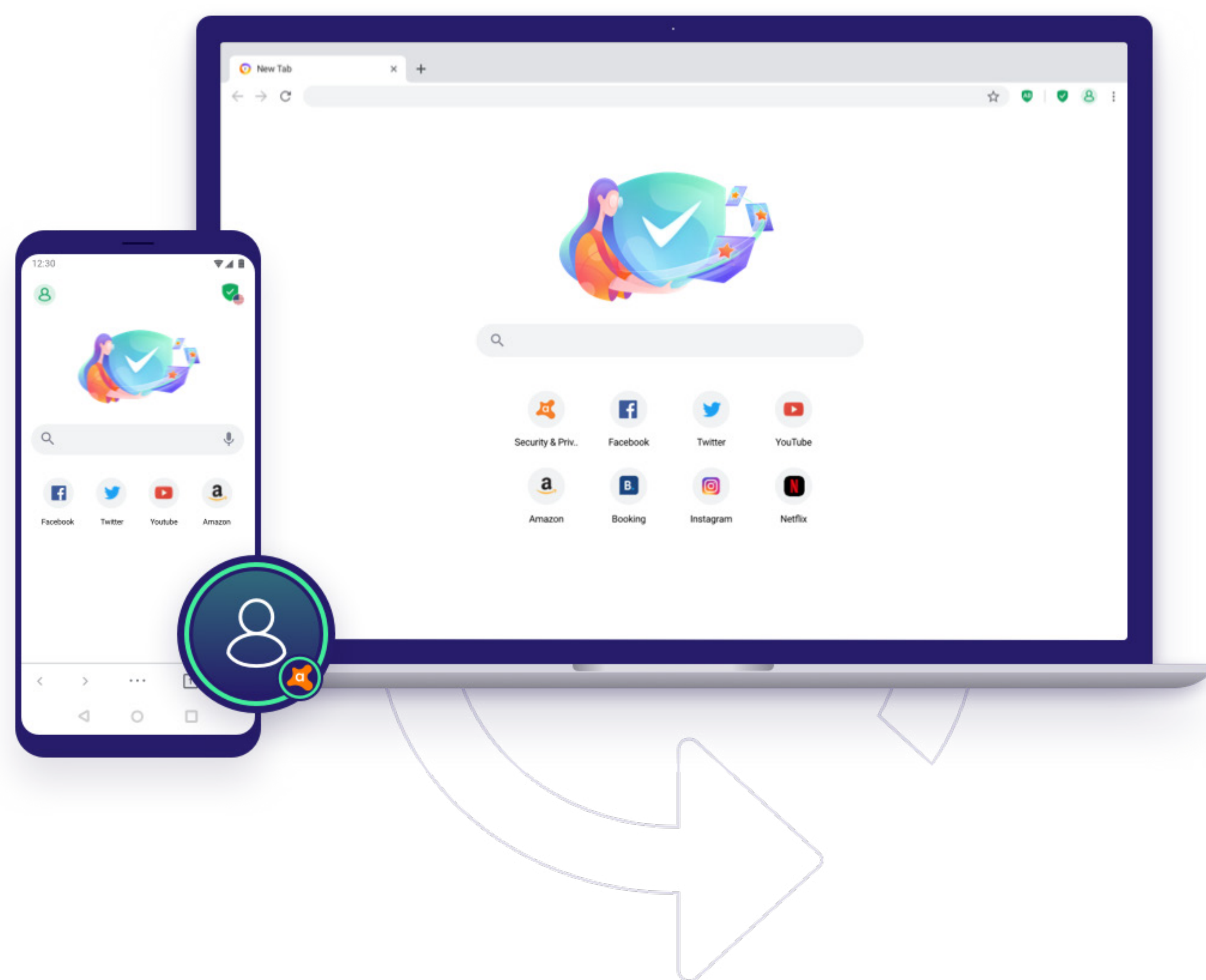
A AVAST SYNC

Introduction



Avast Sync NEW

Avast Sync gives the user the ability to sync their bookmarks and history across all their devices using the Avast Secure Browser. When a user signs into the browser with their Avast Account they are able to sync from their desktop to mobile, and vice versa. It's fully encrypted, end-to-end.



WHY

It's convenient for users to sync their bookmarks and history across multiple devices (Windows PC, macOS, Android, and iOS), while keeping everything up to date at the same time. It's also fully encrypted, both locally and remotely, which is important for our users' privacy and security.

HOW

When users open their Avast Secure Browser and click the top-right person icon (next to Security & Privacy Center shield), they can sign in using their Avast Account info and turn on what they wish to sync across their devices, then simply click 'I'm in'.

Avast Sync is multiplatform and works on Windows, macOS, Android, and iOS devices.

IT'S FULLY END-TO-END ENCRYPTED

End-to-end encryption is the most secure way to communicate privately and securely online. By encrypting data directly on the user's device, it prevents anyone in the middle from reading this data. Nobody is able to see this data, not hackers, not the government, not the user's employer, and not even Avast. The data has been changed to random characters which can only be decrypted by the user, as they are the sole owner of their data.

The user's encryption key is stored on a Hardware Security Module (HSM) located in the Avast datacenter but still prevents Avast from accessing

their data. Even when a user resets their login password they can still access the data as it's connected to their account.

PASSPHRASE

The Passphrase option also offers full end-to-end encryption. The user enters a password (passphrase) which in the end is used to encrypt the data directly on the users device. It prevents absolutely anyone in the middle from reading this data. No one is able to see this data, not hackers, not the government, not the user's employer, even Avast has no way to access it

Note: As the passphrase is only available on a user's local computer, Avast can not reset it. If the user forgets or loses their passphrase, the data on the Avast servers is lost and the user has to re-establish the sync from scratch.

WHAT WE DO, AND WHAT DON'T DO, WITH THE DATA

As the data is end-to-end encrypted, Avast cannot view, modify, or update the data. All we do is make sure that users' browser settings are synchronized to their other devices. In order to achieve that, there's metadata (timestamps, referrers) added to the encryption which is used to compute to which device the data has been sent, and in which form.

AVAST SECURE BROWSER **FOR PC** **B**

B SECURITY

Avast Secure Browser for PC



Bank Mode

Prevents hackers from seeing what users type so they cannot steal passwords, credit card numbers, or other personal data by creating an isolated Windows desktop session.

WHY

Creating an isolated Windows desktop session ensures that no keyloggers are recording user keystrokes, and no prying eyes are observing their transaction. It can be used for online banking, online shopping, managing investments, managing cryptocurrencies, and more.

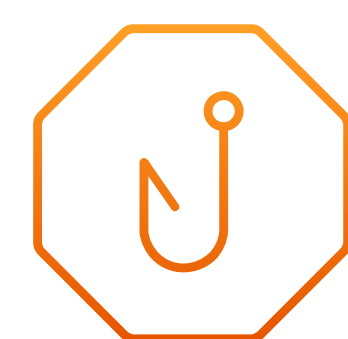
HOW

By opening the browser in an isolated desktop environment, it creates a safe space that's out of reach even from a user's own apps. The high-security 'walls' keep malware and anything remotely suspicious out, even from requests within their own system.

(Note: Bank Mode requires Avast Antivirus)

DIFFERENTIATORS VS COMPETITORS

No other browser offers an isolated desktop environment that gives users more security to do their online banking, shopping, and more.



Anti-Phishing

Blocks malicious websites and downloads to prevent a user's PC from becoming infected with viruses, spyware, and ransomware.

WHY

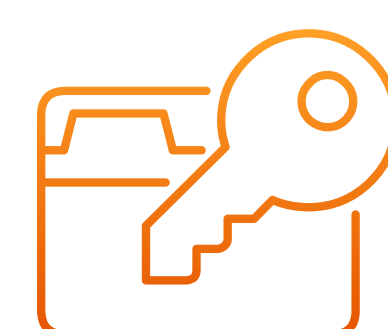
Websites consist of different scripts, iframes, trackers, and more which can harm your computer.

HOW

Everytime a user visits a page, we don't just scan the URL in the address bar, we take it one step further and use our Anti-Phishing AI technology which utilizes our leading threat intelligence network to scan every single URL that's loaded by that page — blocking scripts, iframes, trackers, and more to keep users even more secure.

DIFFERENTIATORS VS COMPETITORS

Using AI technology led by Avast's threat intelligence network is unique in that no other browser on the market is offering this.




Password Manager

Safely stores, creates, and autofills users' login credentials for their favorite sites. Users are able to install any password extension from the Chrome Web Store for their inconvenience, including LastPass, 1Passwords, Bitwarden, Dashlane, and RoboForm.



Hack Check

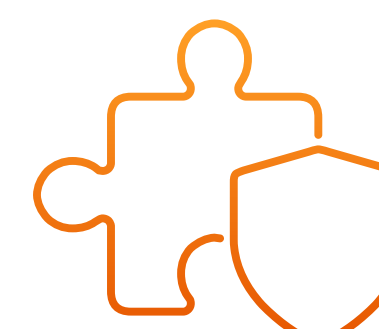
Hack Check is directly integrated into the browser. Now, whenever users enter login credentials to any site, Hack Check automatically checks those credentials against the Avast database of data breaches. If a user is ever involved in a breach, or if their passwords are too weak, they'll be notified immediately.



Hack Check
Keep your digital life safe

CHECK

☒ Show Hack Check warning notifications when logging into accounts



Extension Guard

Extension Guard is yet another layer of security between you and the bad guys. It prevents untrusted extensions (a.k.a., 'add-ons' or 'plug-ins') from being installed onto a user's web browser, while allowing them to freely install safe, trusted extensions from the Chrome Web Store.

B PRIVACY

Avast Secure Browser for PC



Anti-Fingerprinting

Websites and ad networks are getting smarter. Instead of relying only on cookies and a user's IP address to identify them, they're also using their unique browser configuration to keep tabs on them. The Anti-Fingerprinting solution in the browser modifies a user's browser information from sites to help protect their privacy and limit online tracking.

WHY

Browser Fingerprinting is a way to identify devices or individual users. When you open a new website, a piece of code is injected in order to look at your different hardware and software information from the device you're using — such as your browser and PC type, version, operating system, active plugins, timezone, language, screen resolution, and other active settings.

HOW

It modifies the results of the appropriate browser API, and makes sure nothing breaks. To ensure that users don't stand out and get lost in the crowd, the following fingerprinting techniques are covered; AudioContext, Device, WebGL, Canvas, Rendering, Fontlist fingerprinting, and many more.

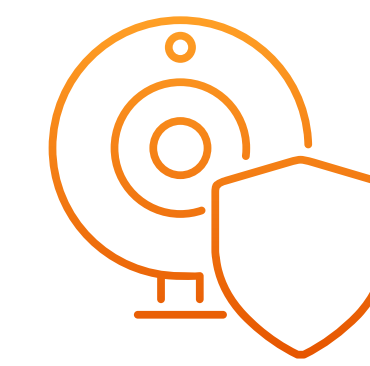
DIFFERENTIATORS VS COMPETITORS

Our Anti-Fingerprinting solution is different from Tor in that the results are being modified to limit online tracking and protect user privacy, and the Avast Secure Browser makes sure websites work as they should.



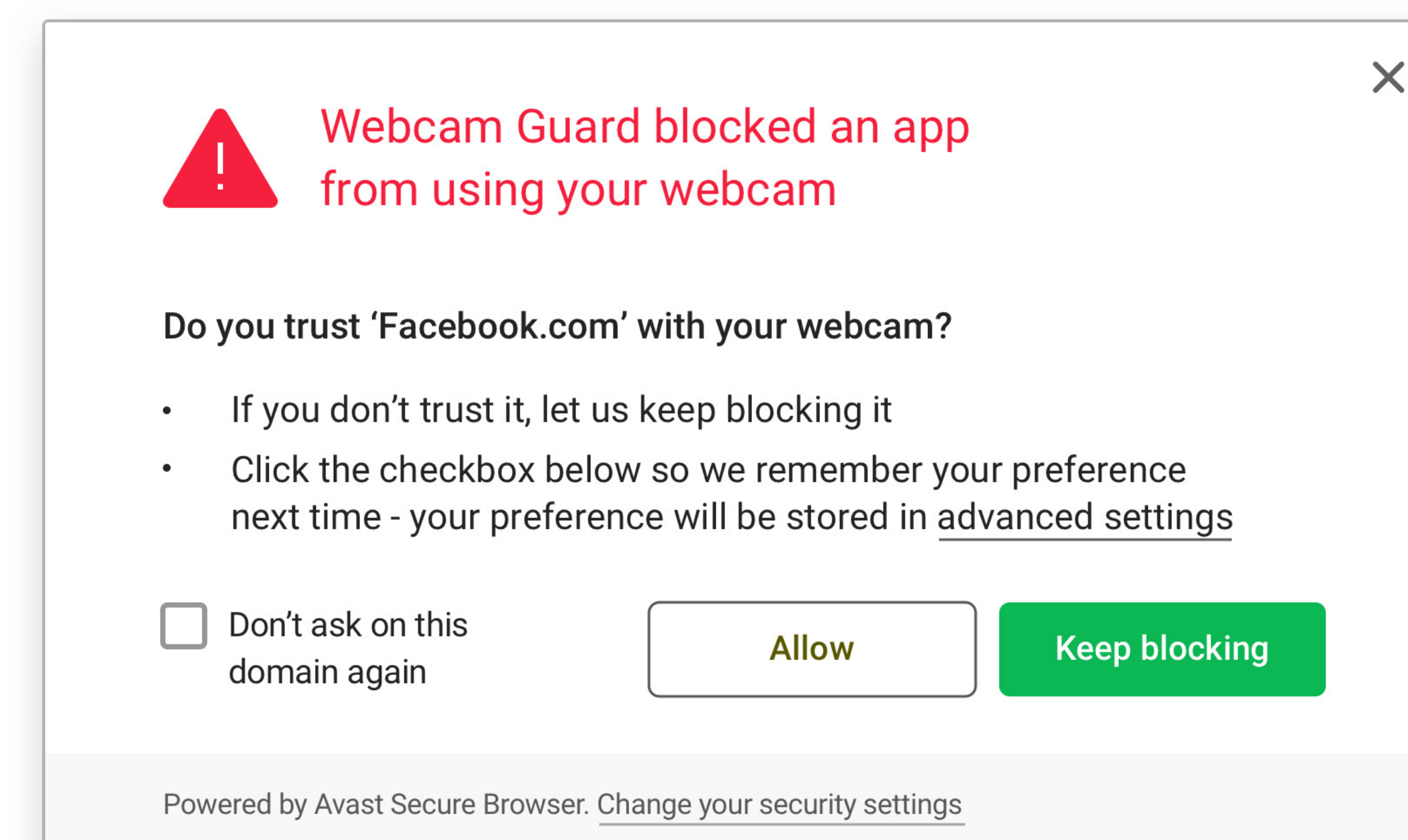
Anti-Tracking

Protects users' privacy by blocking external requests for their browser to send on to 3rd party platforms which allow cookies to be downloaded onto their device. It removes web bugs, tracking scripts, and other types of information that companies download into their device to monitor a user's online activity. On top of that, the browser has an automated script called 'Do Not Track' that adds an additional layer of protection by requesting websites, analytics companies, advertising networks, and other web services to stop their tracking.



Webcam Guard

Giving a website permission to access your camera is putting a significant amount of trust in that website — as they could theoretically use that privilege to spy on you. Webcam Guard lets users decide if they want to give a site the right to access their computer camera, either permanently or only temporarily, and ensures they'll never be watched without the user's consent.



B PRIVACY

Avast Secure Browser for PC



VPN

Integrates with Avast SecureLine VPN. From the Security & Privacy Center users are able to easily turn on and manage their SecureLine VPN connection.

WHY

Everyone deserves a safe and encrypted connection when they browse online. Therefore, Avast Secure Browser has a dedicated integration with Avast SecureLine VPN.

HOW

As it is an integration with Avast SecureLine VPN, which is a paid solution, users need to purchase a SecureLine VPN license. (There is an optional 60-day free trial.)

DIFFERENTIATORS VS COMPETITORS

Opera also has a VPN solution in their browser but it is just a VPN proxy, not a full fledged VPN solution.



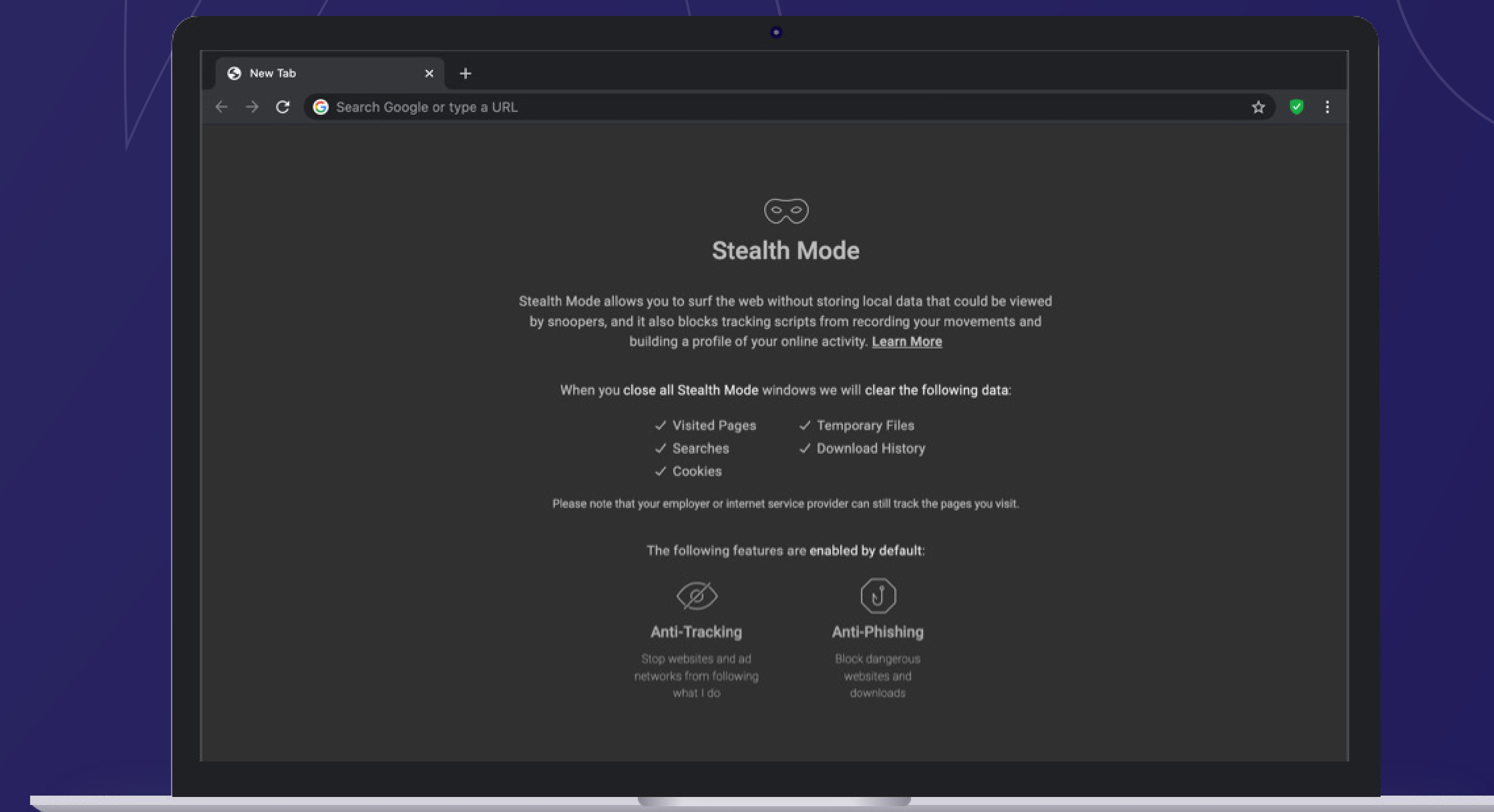
Stealth Mode

While activated, users' browsing histories are not saved and any tracking cookies or web caches picked up during their browsing session are removed. In addition, it automatically activates Anti-Tracking, HTTPS Encryption, and Anti-Phishing.



Privacy Cleaner

Blocks malicious websites and downloads to prevent a user's PC from becoming infected with viruses, spyware, and ransomware.



B PERFORMANCE

Avast Secure Browser for PC



Adblock

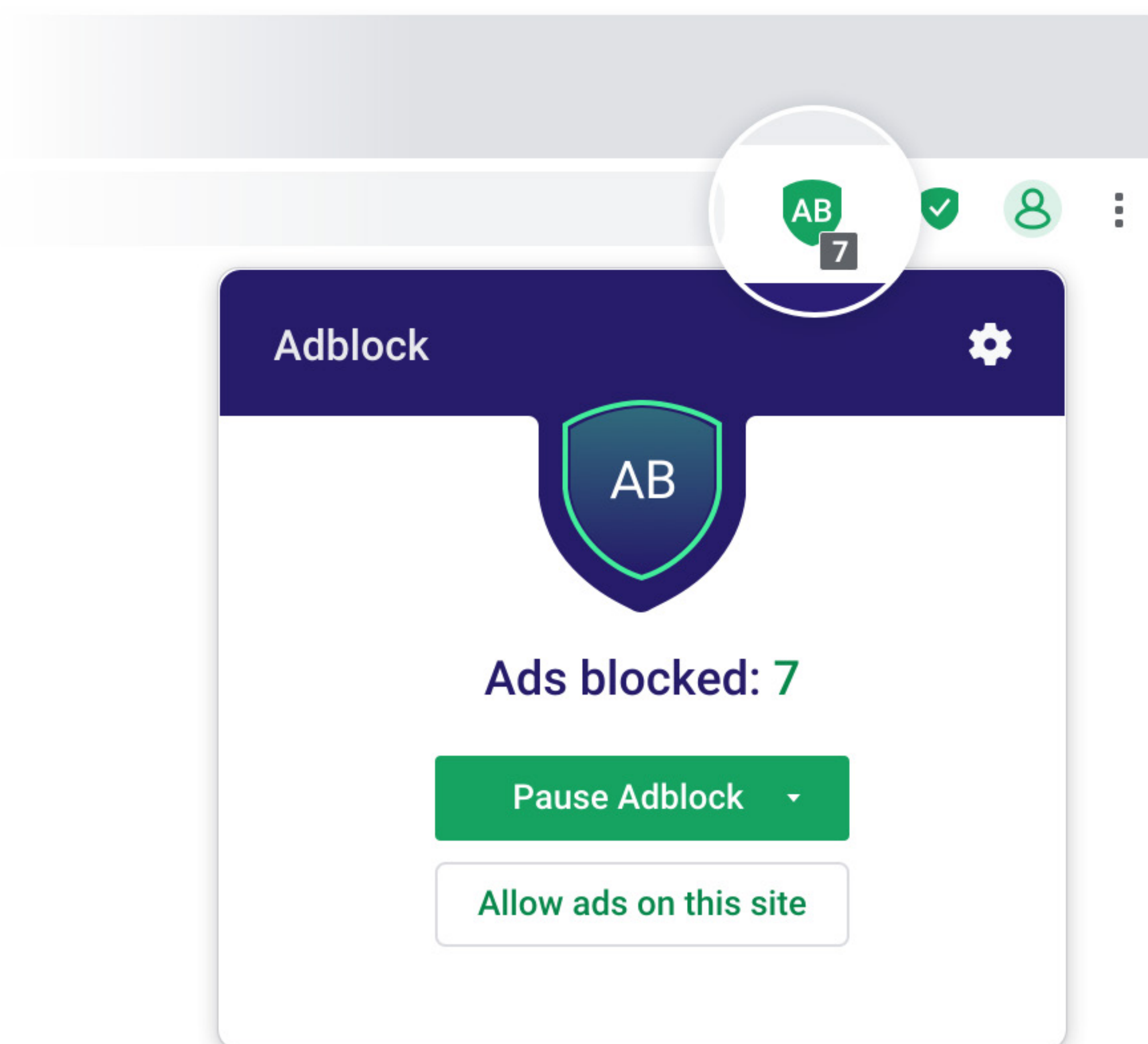
Stops ads from downloading on a user's browser to help web pages load faster while giving them the flexibility to pause the adblock at any time. With Avast Adblock the user is in control.

WHY

Ads on websites can clutter and disrupt your browsing experience. Plus, they could be harmful to your computer and contain malicious content. That's why we have a built-in adblock in our browser as a default functionality.

HOW

Ad blockers exist for different types of devices — desktops, laptops, tablets, and smartphones. For users to be able to use it, all they need to do is install Avast Secure Browser and use our built-in Adblock solution.



DIFFERENTIATORS VS COMPETITORS

There are a variety of ad blocker extensions available nowadays making it hard to choose the right one. With our browser it's already built-in and available across all platforms and devices (Windows, Mac, Android and iOS) making it more convenient, easy to use, and more secure for our users.



Performance Manager

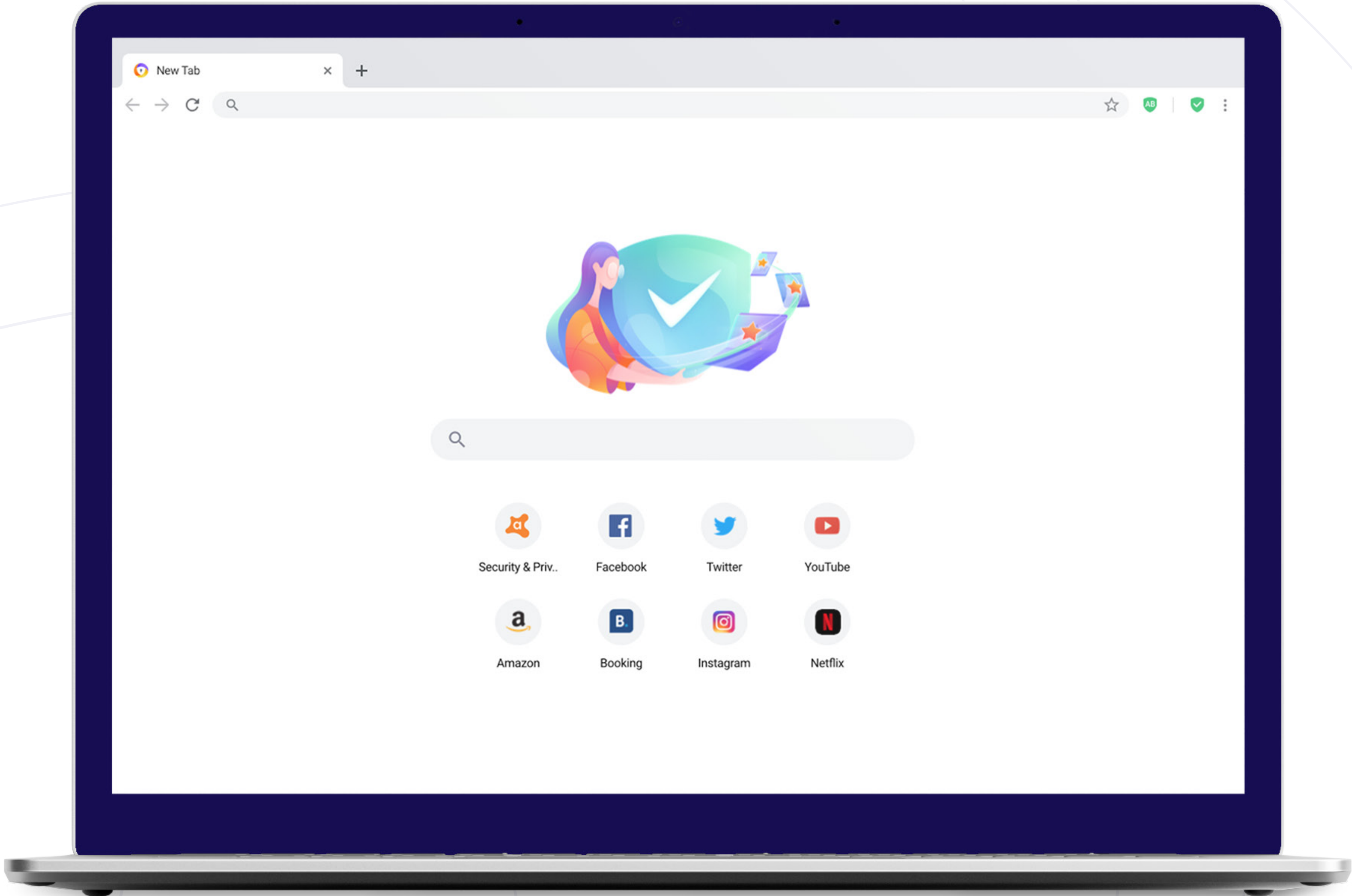
The best performance focused way to browse the web for users on their computer. Users' CPU and RAM get automatically optimized by suspending inactive tabs which results in a boost of performance. In the settings users are able to set the timings.



Battery Saver

With the new Battery Saver function users can suspend inactive tabs, allowing them to stream more videos and browse the web up to one hour longer.

B **PRODUCT COMPARISONS**
Avast Secure Browser for PC

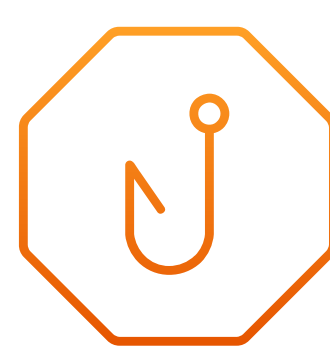


	 Avast Secure Browser	 Google Chrome	 Mozilla Firefox	 Microsoft Edge
Adblock	●	—	—	—
Anti-Phishing	●	●	—	●
Anti-Tracking	●	—	●	●
VPN	(Intergration with SecureLine)	—	●	—
Bank Mode	●	—	—	—
Anti-Fingerprinting	●	—	●	●
Webcam Guard	●	—	—	—
Hack Check	●	—	●	—
Performance Manager	●	—	—	●
Battery Saver	●	—	—	—
Privacy Cleaner	●	●	●	●
Private Window	●	●	●	●
Extension Guard	●	—	—	—
Available for macOS	●	●	●	●
Available for Android	●	●	●	●
Available for iOS	●	●	●	●
Supports extensions/add-ons	●	●	●	●

AVAST SECURE BROWSER **FOR MAC** 

B SECURITY

Avast Secure Browser for Mac



Anti-Phishing

Blocks malicious websites and downloads to prevent a user’s Mac and PC from becoming infected with viruses, spyware, and ransomware.

WHY

Websites consist of different scripts, iframes, trackers, and more which can harm your computer.

HOW

Everytime a user visits a page, we don't just scan the URL in the address bar, we take it one step further and use our Anti-Phishing AI technology which utilizes our leading threat intelligence network to scan every single URL that's loaded by that page — blocking scripts, iframes, trackers, and more to keep users even more secure.

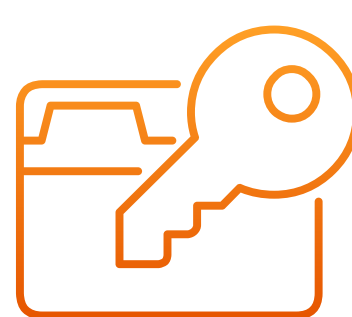
DIFFERENTIATORS VS COMPETITORS

Using AI technology led by Avast’s threat intelligence network is unique in that no other browser on the market is offering this.



Hack Check

We’ve integrated Hack Check directly into the browser. Now, whenever users enter login credentials to any site, Hack Check automatically checks those credentials against the Avast database of data breaches. If a user is ever involved in a breach or if their passwords are too weak, they’ll be notified.



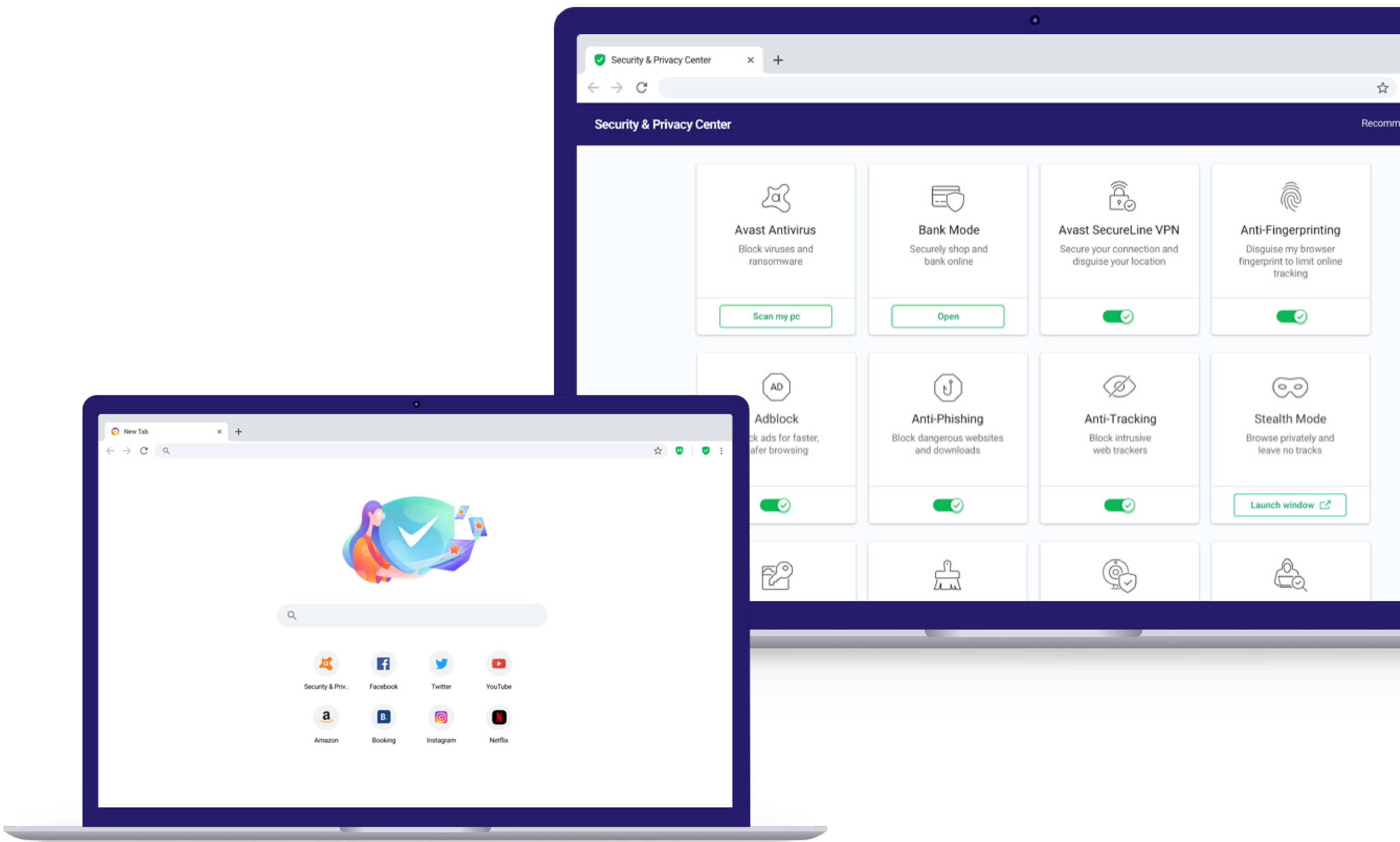
Password Manager

Safely store, create, and autofill user login credentials for their favorite sites.



Extension Guard

Extension Guard is yet another layer of security between a user and the bad guys. It prevents untrusted extensions (a.k.a., ‘add-ons’ or ‘plug-ins’) from being installed onto their web browser, while allowing them to freely install safe, trusted extensions.



C PRIVACY

Avast Secure Browser for Mac

Anti-Fingerprinting

Websites and ad networks are getting smarter. Instead of relying only on cookies and your IP address to identify you, they're also using your unique browser configuration to keep tabs on you. Anti-Fingerprinting hides users' browser information from sites to help protect their privacy and limit online tracking.

Privacy Cleaner

Cleans users' browser history, cached images, cookies, and other junk with just one click, to keep their activity private and free up disk space.

Anti-Tracking

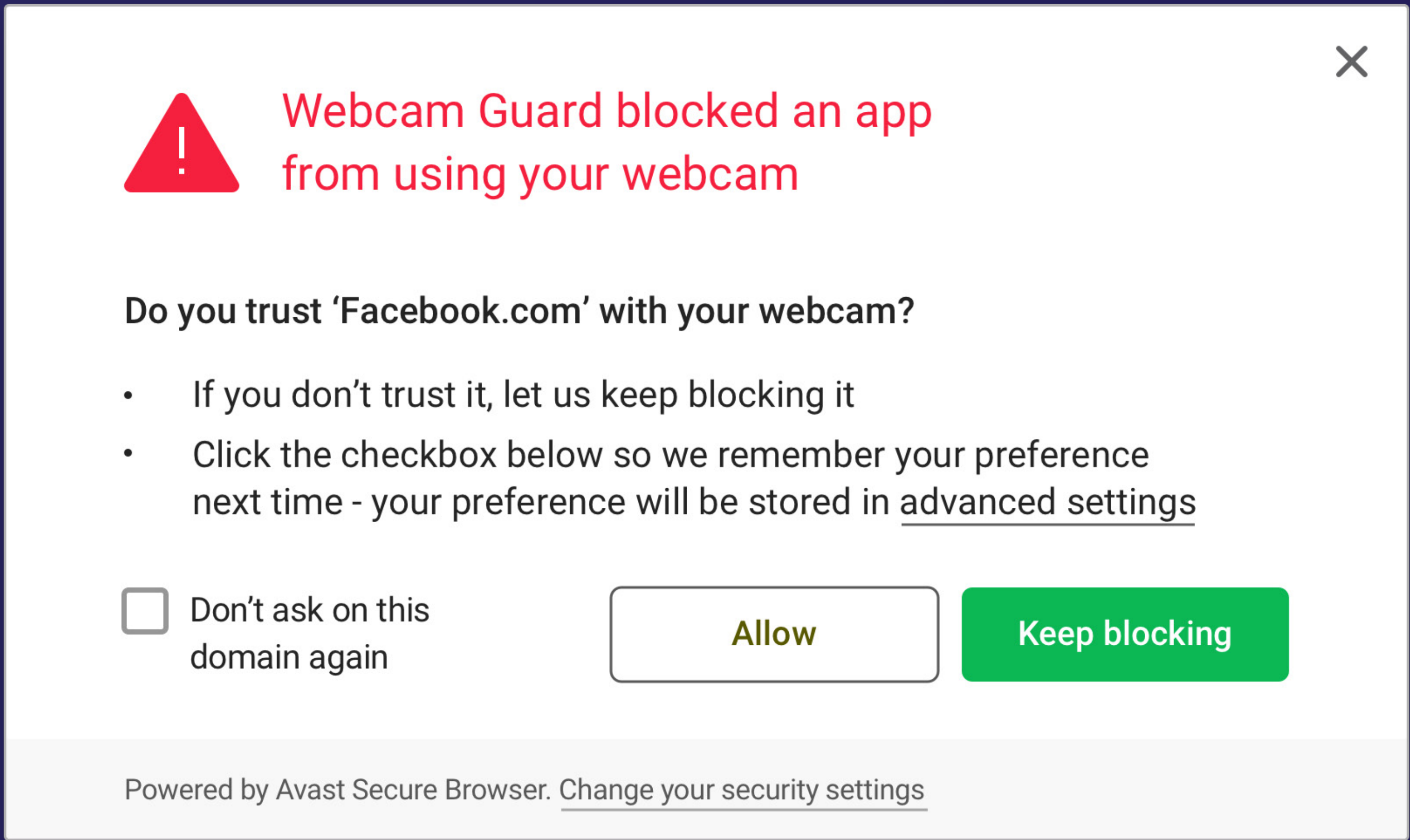
Protects users' privacy by preventing websites, advertisers, and other web services from tracking their online activity.

Stealth Mode

While activated, users' browsing histories are not saved and any tracking cookies or web caches picked up during their browsing session are removed. In addition, it automatically activates Anti-Tracking, HTTPS Encryption, and Anti-Phishing.

Webcam Guard

Giving a website permission to access your camera is putting a significant amount of trust in that website, as they could theoretically use that privilege to spy on you. Webcam Guard lets users decide if they want to give a site the right to access their computer camera, either permanently or only temporarily, and ensures they'll never be watched without their consent.



B PERFORMANCE

Avast Secure Browser for Mac



Adblock

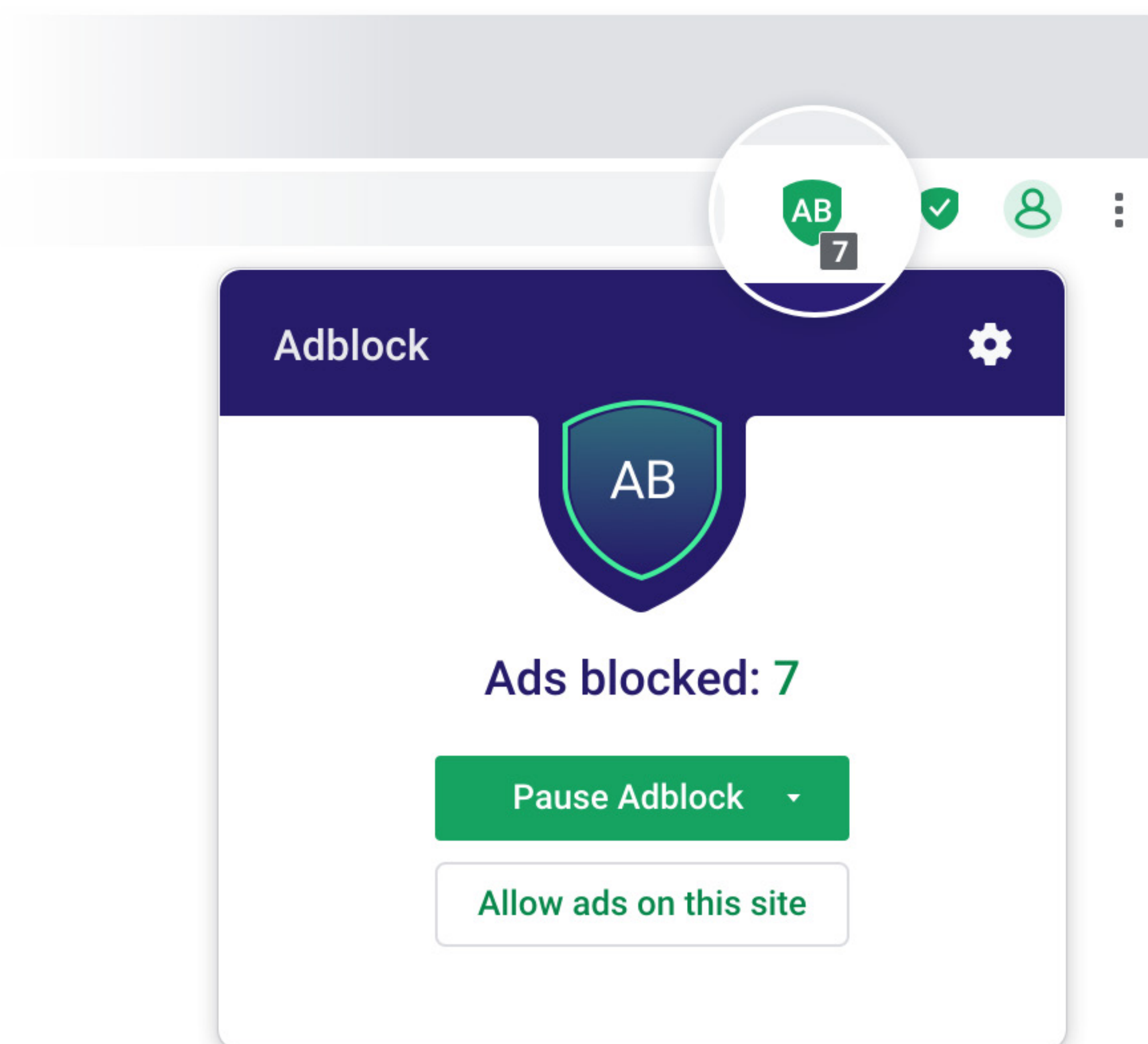
Stops ads from downloading on a user's browser to help web pages load faster while giving them the flexibility to pause the adblock at any time. With Avast Adblock the user is in control.

WHY

Ads on websites can clutter and disrupt your browsing experience, plus they could be harmful to your computer and contain malicious content. That's why we have a built-in adblock in our browser as a default functionality.

HOW

Ad blockers exist for different types of devices: desktops, laptops, tablets, and smartphones. For users to be able to use it, all they need to do is install Avast Secure Browser and use our built-in Adblock solution.



DIFFERENTIATORS VS COMPETITORS

There are a variety of ad blocker extensions available nowadays making it hard to choose the right one. With our browser, it's already built-in and available across all platforms and devices (Windows, Mac, Android and iOS), making it more convenient, easy to use, and more secure for users and their loved ones.



Performance Manager

The best performance focused way to browse the web on a user's computer. Users' CPU and RAM get automatically optimized by suspending inactive tabs which results in a boost of performance. In the settings, users are able to set the timings.

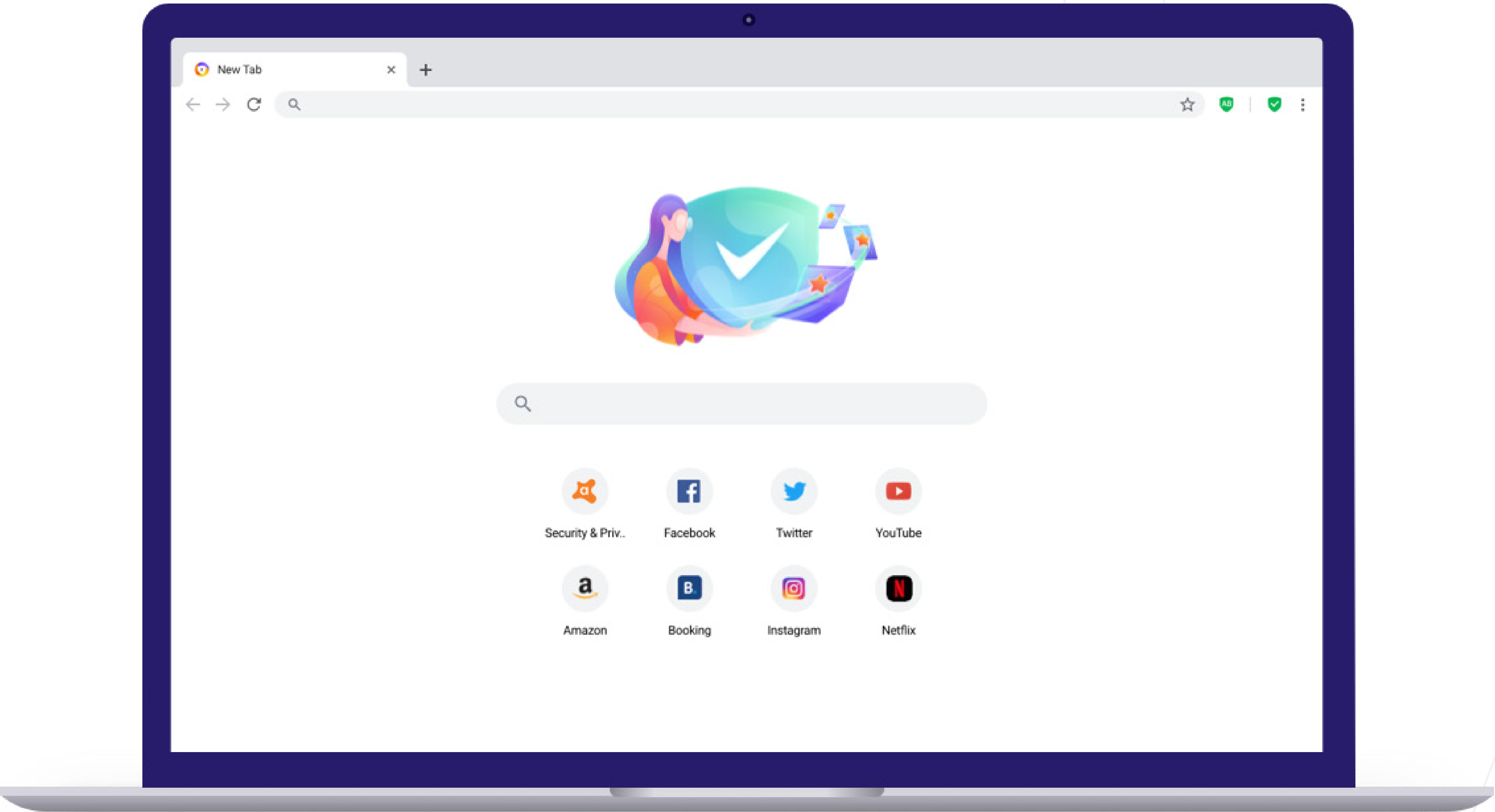






Battery Saver

With the new Battery Saver function users can suspend inactive tabs, allowing them to stream more videos and browse the web up to one hour longer.

C PRODUCT COMPARISONS

Avast Secure Browser for Mac



	 Avast Secure Browser	 Google Chrome	 Mozilla Firefox	 Apple Safari
Adblock	•	—	—	—
Anti-Phishing	•	•	—	•
Anti-Tracking	•	—	•	•
Anti-Fingerprinting	•	—	•	•
Webcam Guard	•	—	—	—
Hack Check	•	—	•	—
Performance Manager	•	—	—	—
Battery Saver	•	—	—	—
Privacy Cleaner	•	•	•	•
Private Window	•	•	•	•
Extension Guard	•	—	—	—
Available for Mac	•	•	•	•
Available for Android	•	•	•	—
Available for iOS	•	•	•	•
Supports extensions/add-ons	•	•	•	•

AVAST SECURE BROWSER **FOR ANDROID** 

D SECURITY

Avast Secure Browser for Android



Encryption

No other mobile browser encrypts as much as Avast Secure Browser. We encrypt everything - users' browsing data, cookies, tabs, bookmarks, history; downloaded files; connection to the internet; DNS queries; and PIN code.

WHY

Encryption is the single most important tool you have to protect your digital identity.

HOW

- **Built-in VPN** creates an encrypted connection between a user's device & the internet — protecting their data against eavesdroppers.
- **DNS over TLS** encrypts a user's DNS queries, adding another layer of security to their browsing session.
- Users' downloaded files are automatically encrypted and accessible through their **Media Vault**.
- Built-in **Private Media Players** so users don't need to decrypt their files to view them on third-party players.
- **HTTPS Encryption** automatically forces websites to use encryption.
- Limits access to the browser with a unique **PIN Code** only the user knows. A user's PIN is never stored on any servers.

ENCRYPTION OVERVIEW

- Latest TLS/SSL for data transport Layer.
- AES-256 bit encryption for stationary browser data stored on the device.
- Built-in VPN encrypts all inbound and outbound connections to the VPN location, in VPN ON mode.
- Service APIs: TLS 1.2 Elliptic Curve DH key exchange, AES-256 with SHA-384 authentication. 384bit EC keys.
- The unique user PIN is never stored on any server or the device, rather it is used to derive the user specific encryption key, which is also not stored on any server.
- DNS over TLS and DNSSEC to keep users' DNS requests private and secure.

DIFFERENTIATORS VS COMPETITORS

There is a handful of Android browsers that offer built-in proxy solutions. Avast Secure Browser for Android instead offers a full-fledged VPN solution to encrypt your entire browsing experience.



PIN Lock & Fingerprint Lock

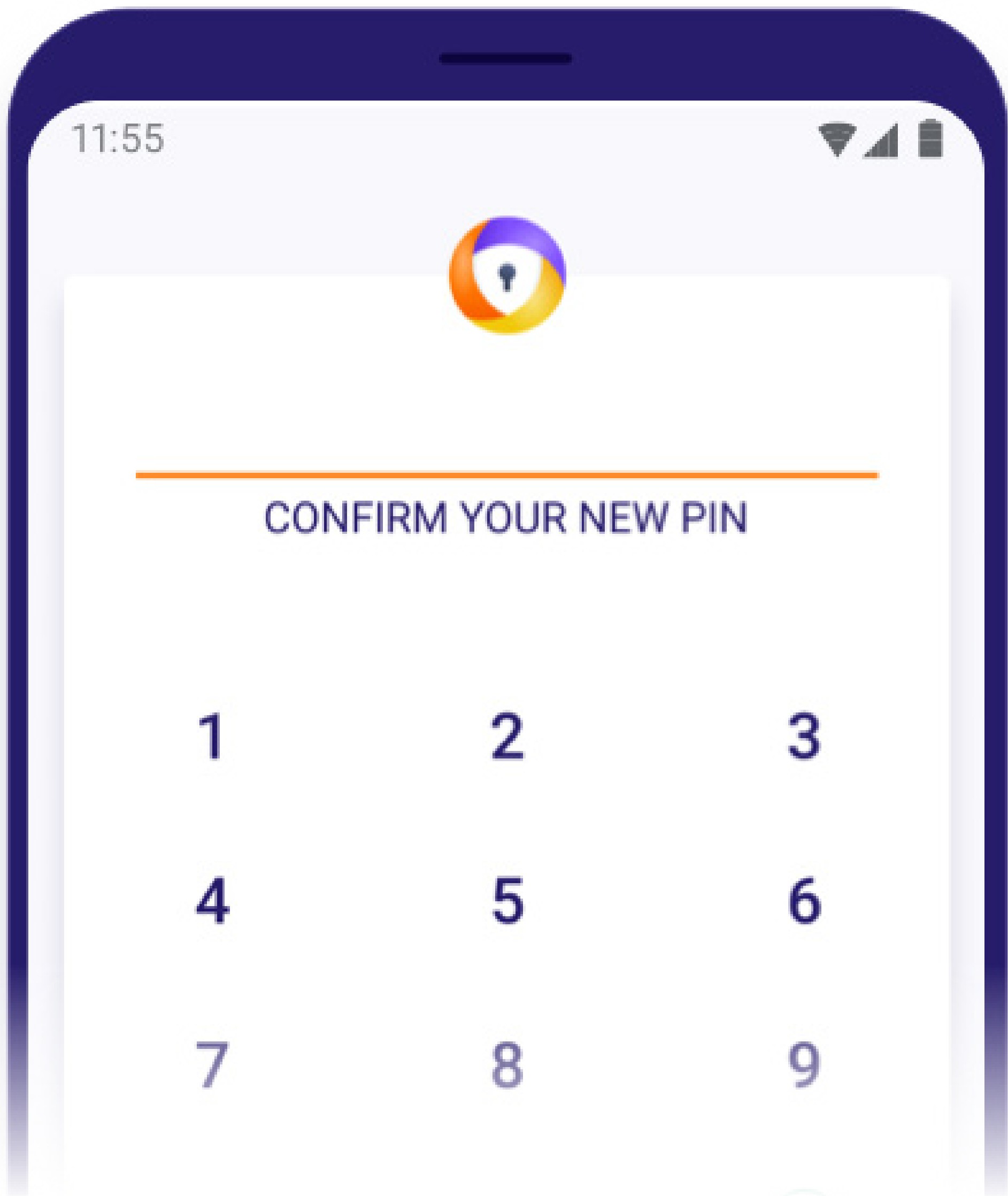
In addition to protecting users against online threats, Avast Secure Browser offers PIN lock to secure users against real-world threats. With a PIN enabled, a user's browsing history and data is safely locked behind a code that only the user knows.

WHY

Devices are susceptible to real-world threats and local attacks. PIN lock protects a user's browsing data in the event someone gains unauthorized physical access to their device.

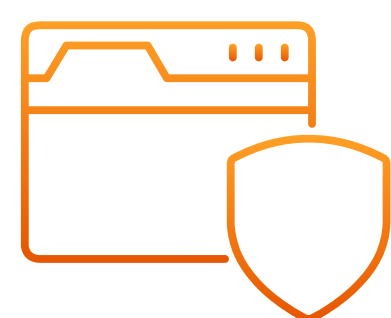
HOW

The unique user PIN is never stored on any server or the device, rather it is used to derive the user-specific encryption key, which is also not stored on any server.



D PRIVACY

Avast Secure Browser for Android



Modes

Customizable browsing modes can be used for different browsing needs. We have three modes:

- **Secure Mode** (which is default) encrypts a user’s DNS queries, stops ads being shown in a user’s browser, prevents their browsing history from being stored, and removes any tracking cookies (both first-party cookies and third-party cookies) or web cache they pick up during that browsing session.
- **Secure & Private Mode** creates an encrypted tunnel between a user’s device and the internet, encrypts their DNS queries, stops ads being shown in their browser, prevents a user’s browsing history from being stored, and removes any tracking cookies (both first-party cookies and third-party cookies) or web cache they pick up during that browsing session.
- **Custom Mode** is a mode users create with their own custom privacy and security settings.

Each mode is a sandbox environment, isolating all browsing data (history, tabs, bookmarks) to the encrypted mode the data was generated in.

WHY

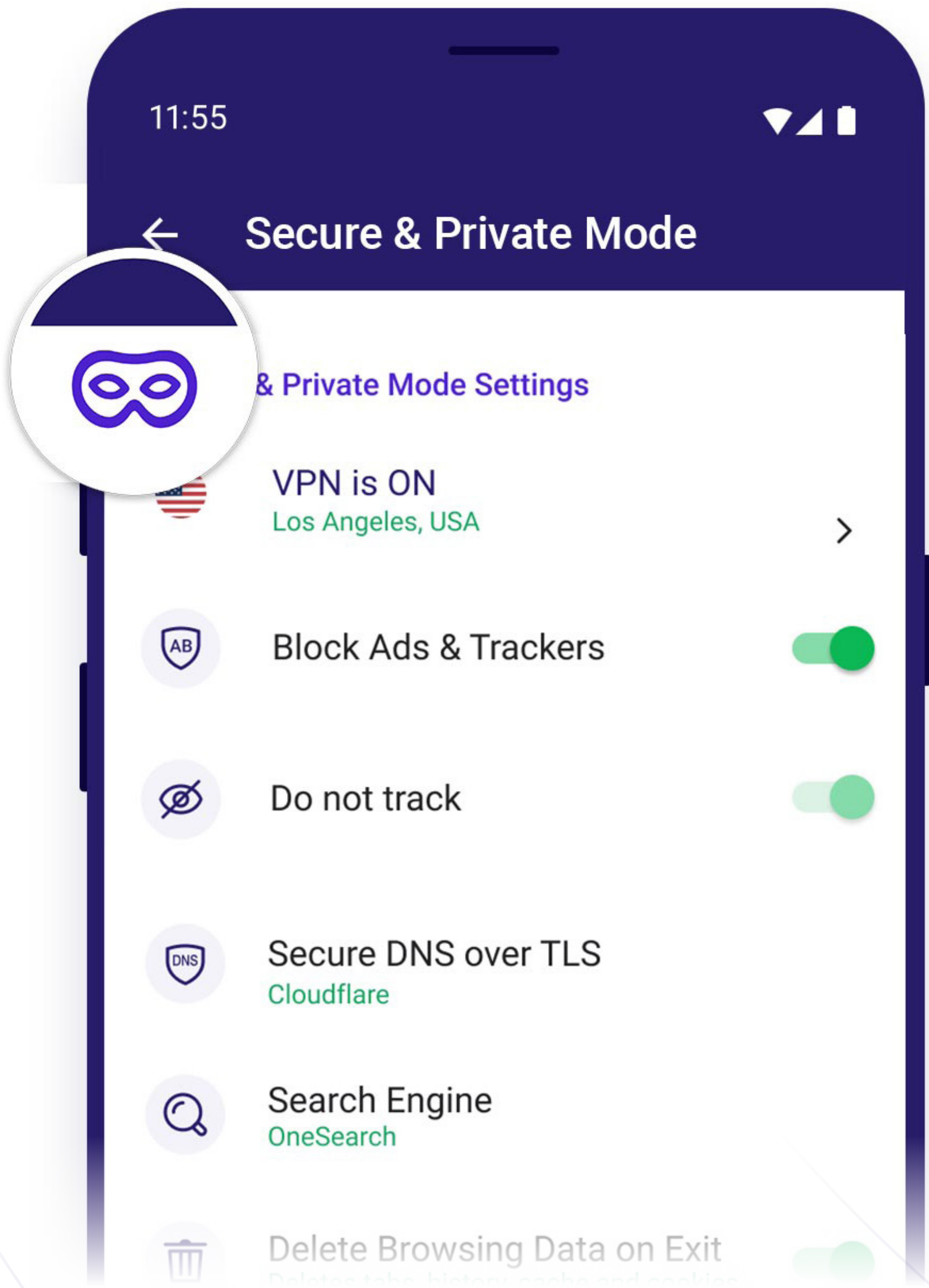
We all use the internet in many different ways, to access many different types of information, in many different situations. Our browsing modes reflects and supports the ways users navigate the internet, allowing users to customize the browser to fit their privacy and security needs on the go.

HOW

Each mode allows users to group tabs and browser data (cookies, history, cache) in a sandbox environment according to preset security and privacy defaults or customized settings, such as ad blocker, VPN, secure DNS, delete tabs on exit, and more. The browser ships with three modes by default. Users can create as many custom modes as they like, for unparalleled control over their browsing experience every time they go online.

DIFFERENTIATORS VS COMPETITORS

Other browsers offer basic solutions to group tabs but these are not available on mobile and do not offer users customizable privacy and security settings. No other browser offers sandbox environments which gives users more security to do their online banking, shopping, and more.



D PRIVACY

Avast Secure Browser for Android



VPN

A free built-in VPN solution which works in the browser only through the fastest location to make sure a user's connection is safer. It has unlimited bandwidth.

WHY

Every user deserves a safe and encrypted connection when they browse online. Therefore, Avast Secure Browser for Android offers free and unlimited VPN protection for users' browsing traffic.

HOW

Protecting a user's browsing traffic is easy and fast with our built-in VPN solution for mobile devices. Depending on a user's mode settings, we automatically start a VPN connection when they open the browser. Users can control when to turn on the VPN connection, when to disconnect, and when to reconnect in their settings.

DIFFERENTIATORS VS COMPETITORS

There is a handful of Android browsers that offer built-in proxy solutions. Avast Secure Browser for Android instead offers a full-fledged VPN solution to encrypt your entire browsing experience.



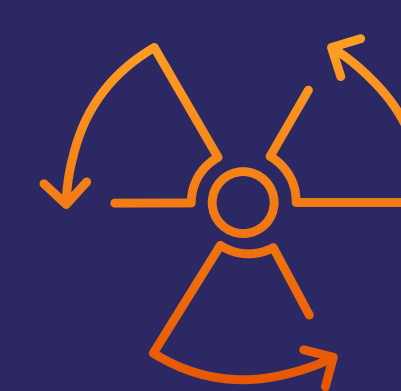
Encrypted Media Vault

Avast Secure Browser automatically encrypts the files users download. Those encrypted files are accessible in the Media Vault.



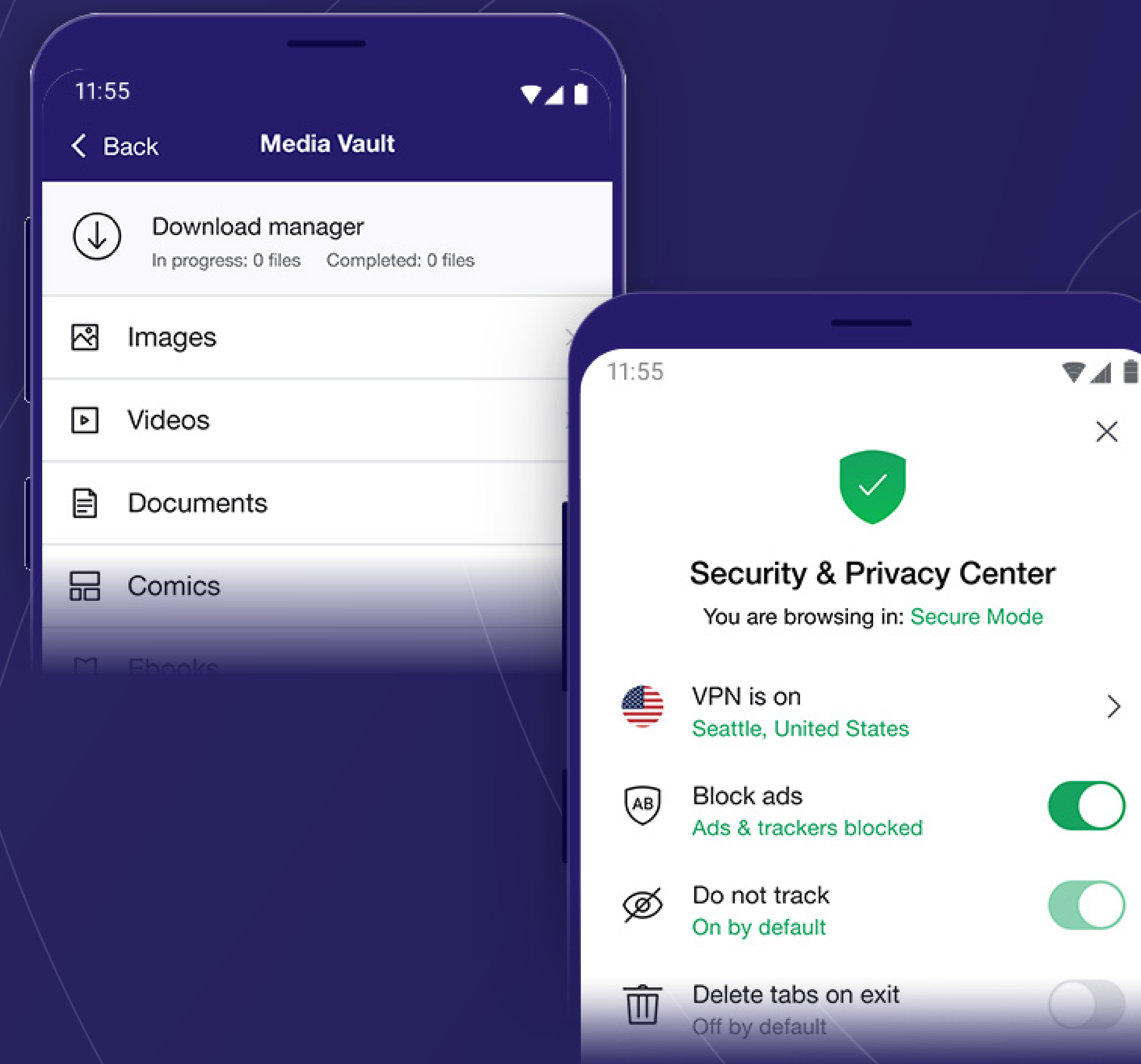
Anti-Tracking

Protects users' privacy by preventing websites, advertisers, and other web services from tracking their online activity.



Nuke History

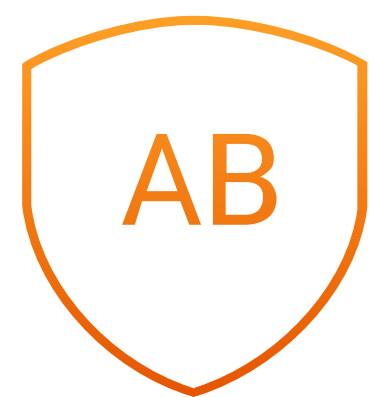
Clears users' browser history, cached images, cookies, and other junk associated with a specified domain with just one click to keep their activity private and free up disk space.



D

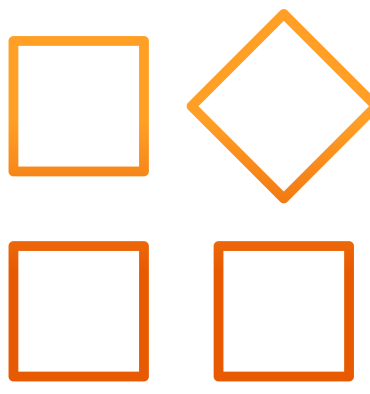
PERFORMANCE

Avast Secure Browser for Android



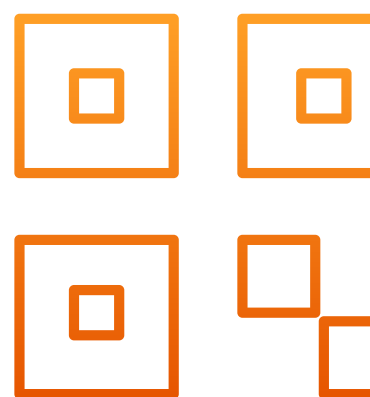
Adblock

Stops ads from downloading on a user’s browser to help web pages load faster while giving them the flexibility to pause the adblock at any time. With Avast Adblock the user is in control.



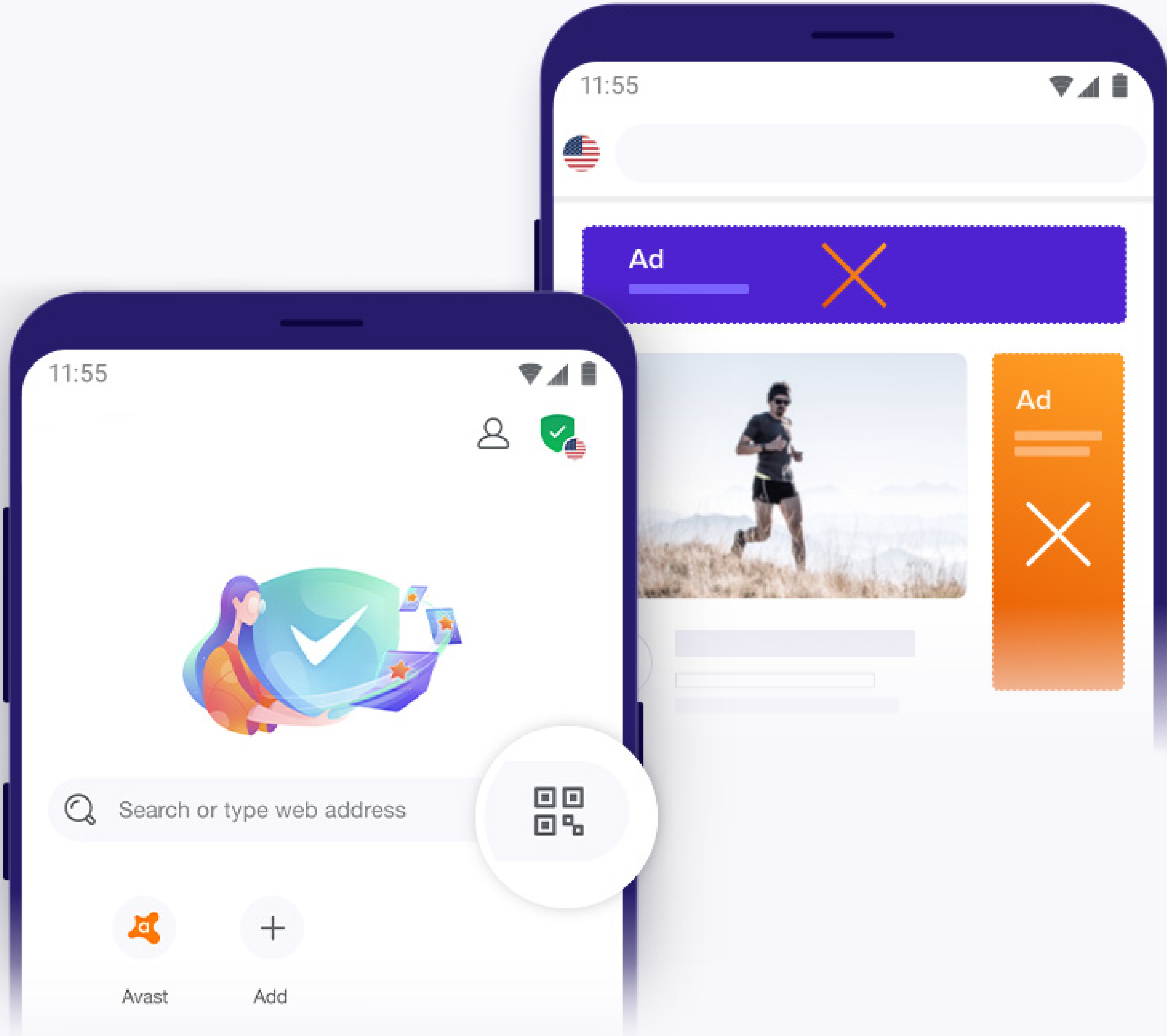
Search Widget

Enables users to quickly manage their VPN connections and perform search queries on their home screen without having to open the browser app.



QR Reader

Quickly and easily scan QR codes with the built-in QR reader.



D PRIVACY

Avast Secure Browser PRO for Android

In addition to all the Avast Secure Browser features, Avast Secure Browser Pro also includes:



VPN

A built-in VPN solution which works device wide, has 30+ server locations to choose from and automatically connects when Avast Secure Browser Pro starts to make sure a user's connection is encrypted and safe. It also has unlimited bandwidth.

WHY

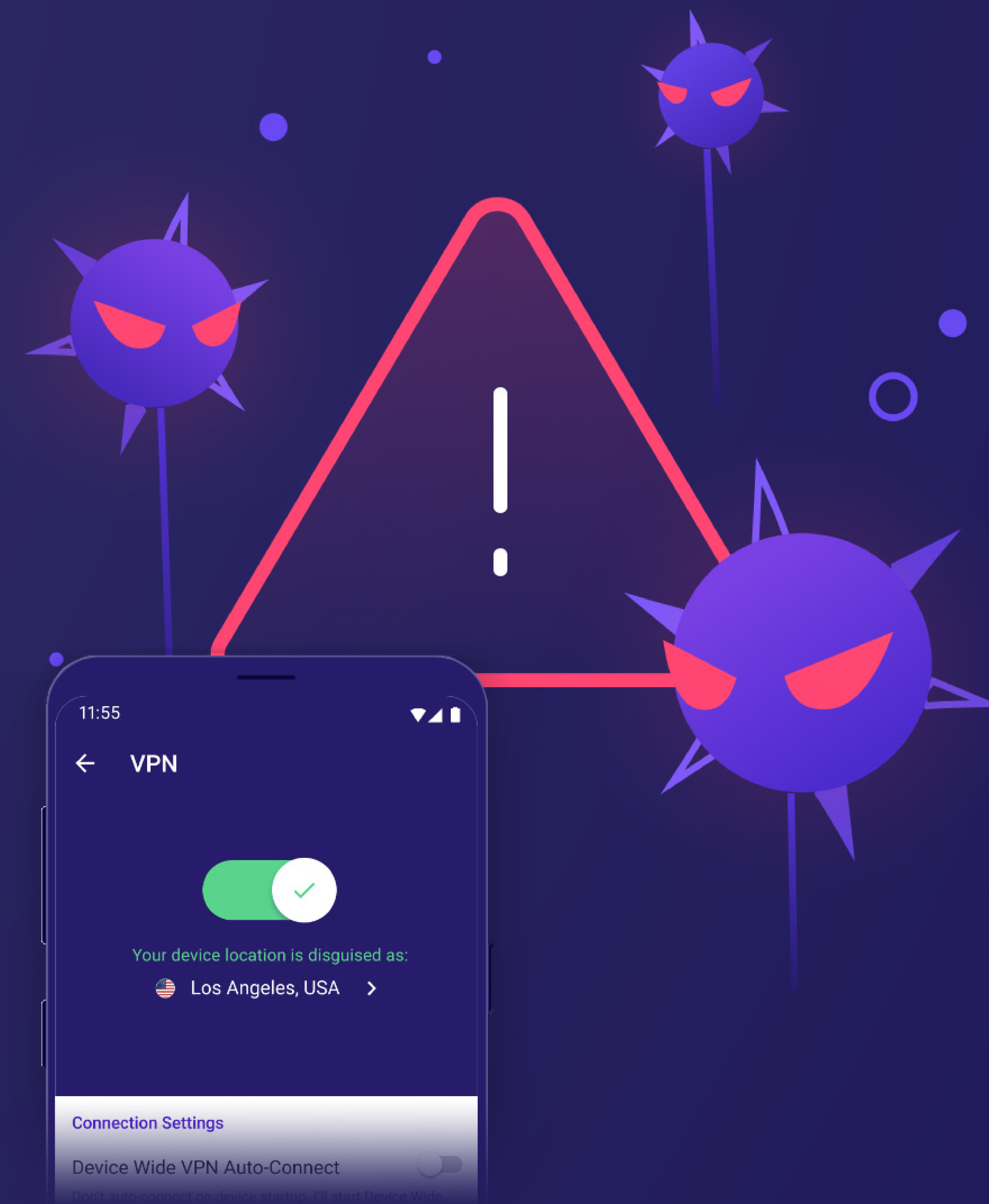
Every user deserves a safe and encrypted connection when they browse online. Therefore, Avast Secure Browser Pro offers device wide VPN to protect the user's entire device and all the apps on it.

HOW

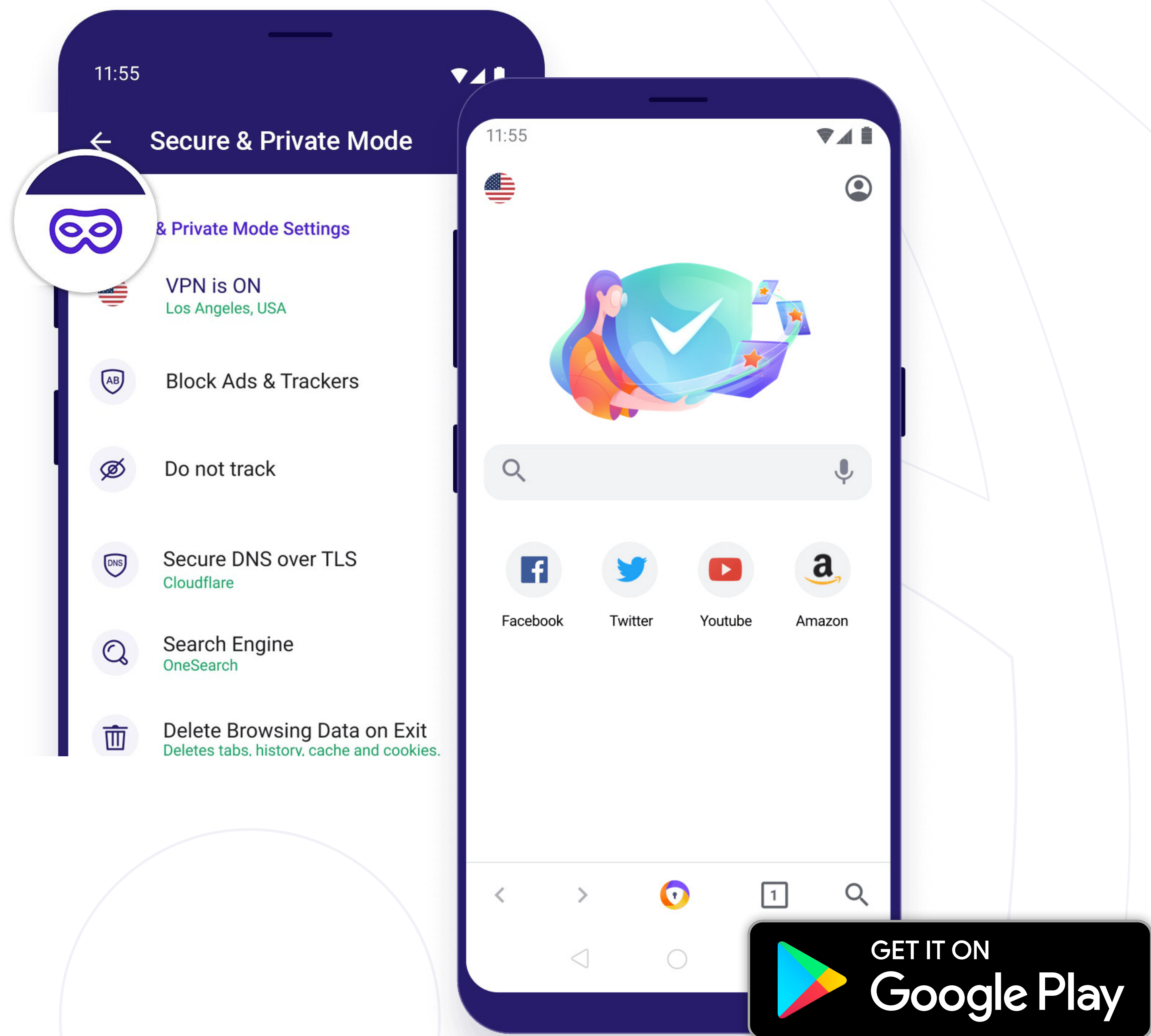
Protecting a user's browsing traffic is easy and fast with our built-in VPN solution for mobile devices. Depending on a user's mode settings, we automatically start a VPN connection when they open the browser. Users can control when to turn on the VPN connection, when to disconnect, and when to reconnect in their settings.

DIFFERENTIATORS VS COMPETITORS

There is a handful of Android browsers that offer built-in proxy solutions. Avast Secure Browser for Android instead offers a full-fledged VPN solution to encrypt your entire browsing experience.



D **PRODUCT COMPARISONS** (FREE VS PRO)
Avast Secure Browser for Android



	Avast Secure Browser	Avast Secure Browser PRO
 Anti-Tracking	•	•
 Encrypted Media Vault	•	•
 Nuke History	•	•
 DNS over TLS	•	•
 PIN lock and fingerprint unlock	•	•
 Modes	•	•
 Adblock	•	•
 Search Widget	•	•
 Video Downloader	•	•
 QR Reader	•	•
 VPN	•	•
 Traffic	Unlimited	Unlimited
 Server Locations	Fastest location only	30+
 Device Wide	Only through Avast Secure Browser	•

AVAST SECURE BROWSER **FOR iOS** **E**

E SECURITY

Avast Secure Browser for iOS



Encryption

No other mobile browser encrypts as much as Avast Secure Browser. We encrypt everything - users' browsing data, cookies, tabs, bookmarks, history; downloaded files; connection to the internet.

WHY

Encryption is the single most important tool you have to protect your digital identity.

HOW

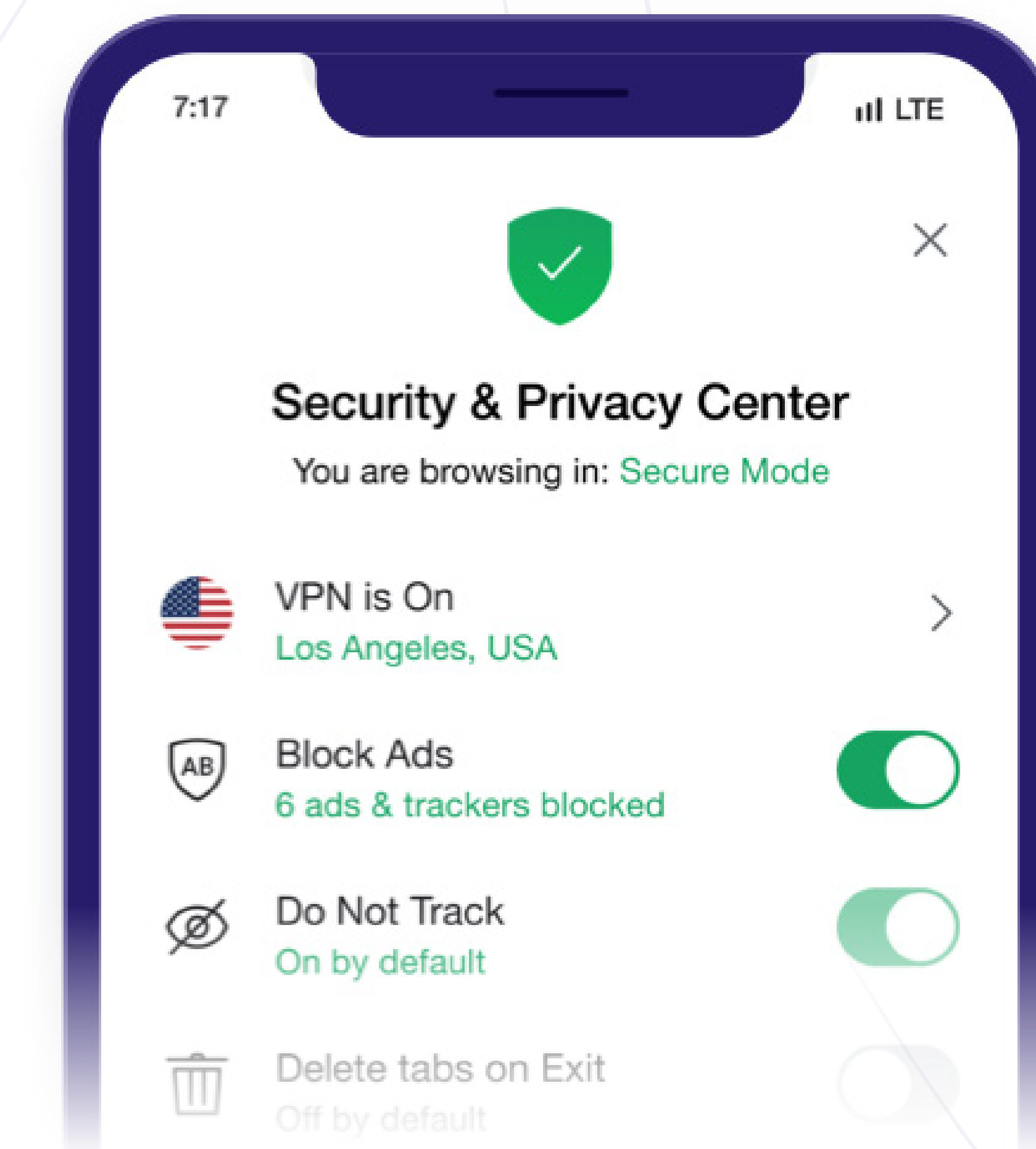
- **Built-in VPN** creates an encrypted connection between a user's device and the internet, protecting their data against eavesdroppers.
- Users' downloaded files are automatically encrypted and accessible through their **Media Vault**.

ENCRYPTION OVERVIEW

- Latest TLS/SSL for data transport Layer.
- Built-in VPN encrypts all inbound and outbound connections to the VPN location, in VPN ON mode.
- Service APIs: TLS 1.2 Elliptic Curve DH key exchange, AES-256 with SHA-384 authentication. 384bit EC keys.

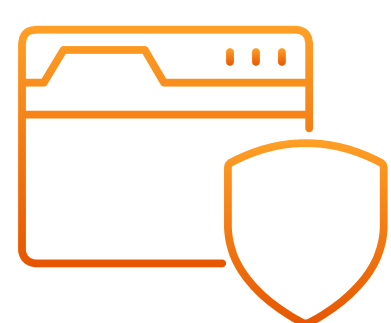
DIFFERENTIATORS VS COMPETITORS

There is a handful of iOS browsers that offer built-in proxy solutions. Avast Secure Browser for iOS instead offers a full-fledged VPN solution to encrypt your entire browsing experience.



E PRIVACY

Avast Secure Browser for iOS



Modes

Customizable browsing modes, which can be used for different browsing needs. We have three modes:

- **Secure Mode** (which is default) encrypts users’ DNS queries, stops ads being shown in their browser, prevents a user’s browsing history from being stored, and removes any tracking cookies (both first-party cookies and third-party cookies) or web cache they pick up during that browsing session.
- **Secure & Private Mode** creates an encrypted tunnel between a user’s device and the internet, encrypts their DNS queries, stops ads being shown in their browser, prevents a user’s browsing history from being stored, and removes any tracking cookies (both first-party cookies and third-party cookies) or web cache they pick up during that browsing session.
- **Custom Mode** is a mode users create with their own custom privacy and security settings.

Each mode is a sandbox environment, isolating all browsing data (history, tabs, bookmarks) to the encrypted mode the data was generated in.

WHY

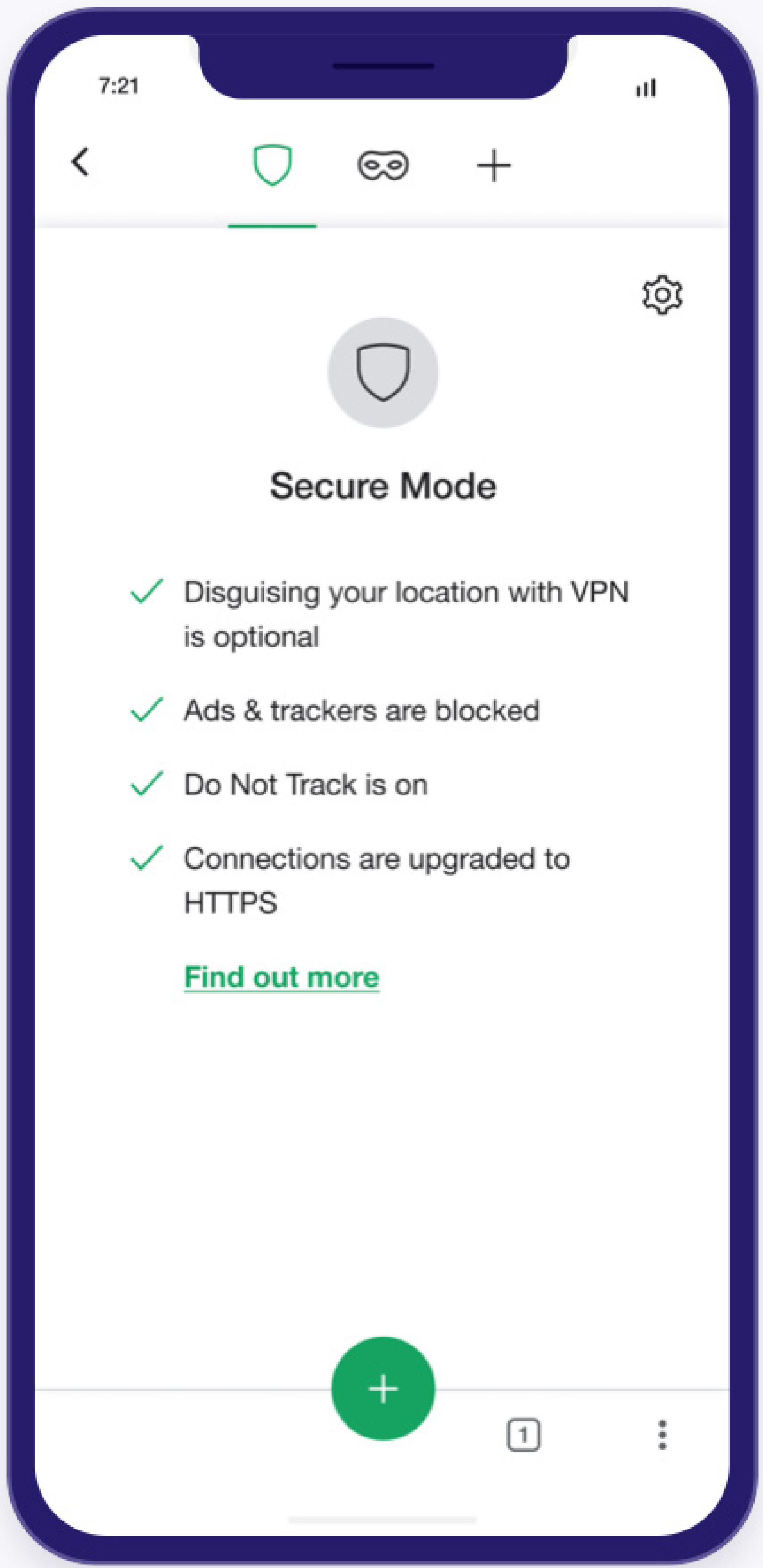
We all use the internet in many different ways, to access many different types of information, in many different situations. Our browsing modes reflect and support the ways users navigate the internet, allowing users to customize the browser to fit their privacy and security needs on the go.

HOW

Each mode allows users to group tabs and browser data (cookies, history, cache) in a sandbox environment according to preset security and privacy defaults or customized settings, such as ad blocker, VPN, delete tabs on exit, and more. The browser is equipped with three modes by default. Users can create as many custom modes as they like, for unparalleled control over their browsing experience every time they go online.

DIFFERENTIATORS VS COMPETITORS

Other browsers offer basic solutions to group tabs but these are not available on mobile and do not offer users customizable privacy and security settings. No other browser offers sandbox environments which gives users more security to do their online banking, shopping, and more.



E PRIVACY

Avast Secure Browser for iOS



Anti-Tracking

Protects users' privacy by preventing websites, advertisers, and other web services from tracking their online activity.



Encrypted Media Vault

Avast Secure Browser automatically encrypts the files users download. Those encrypted files are accessible in the Media Vault.



Remove Site Data

Cleans users' browser history, site cookies, and offline data with the current site with just one click, to keep their activity private and free up disk space.



VPN

The free built-in VPN solution works only in the browser, has unlimited bandwidth, and selects the fastest location to make sure the user's connection is safer.

WHY

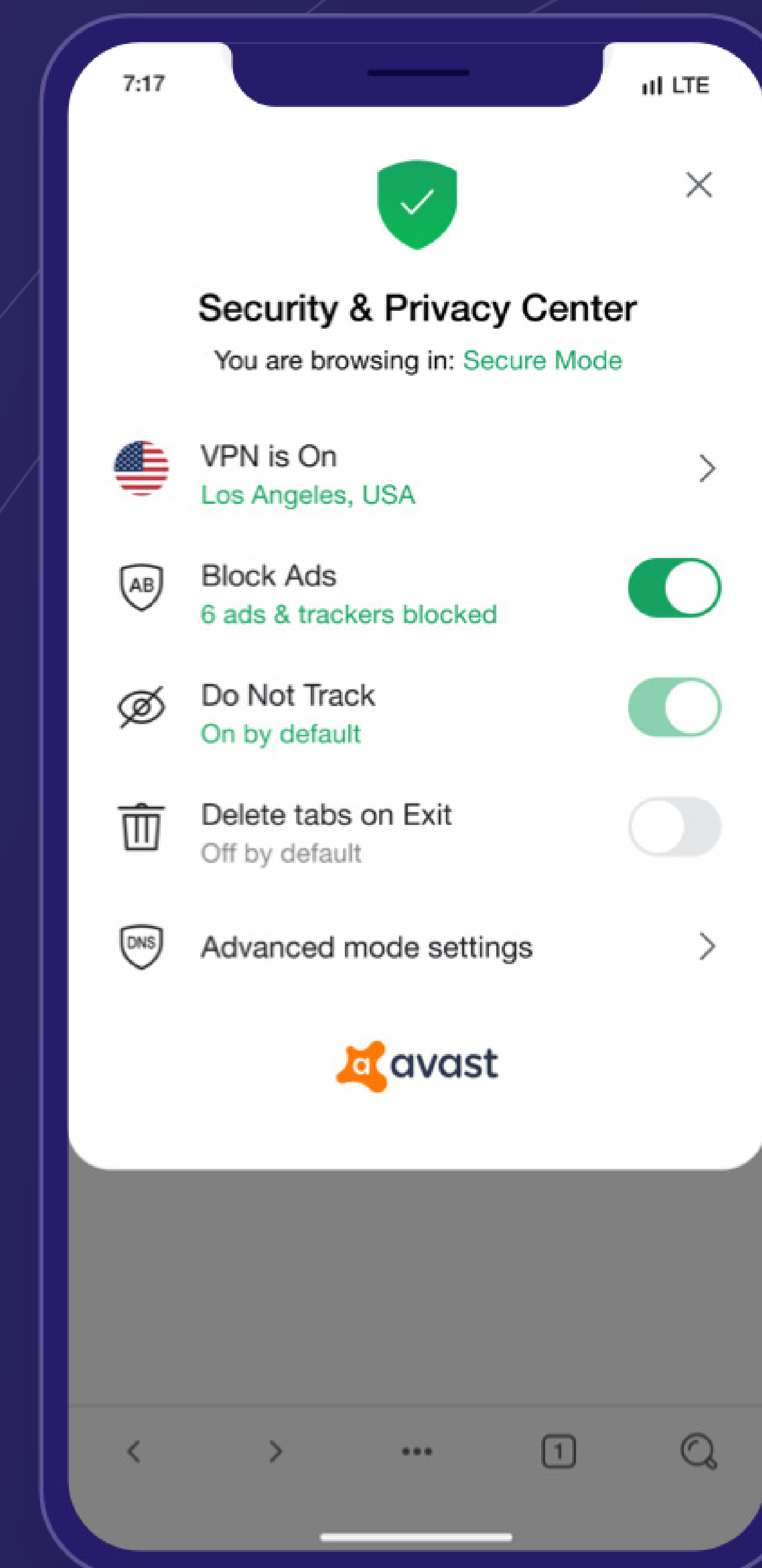
Every user deserves a safe and encrypted connection when they browse online. Therefore Avast Secure Browser for iOS offers free and unlimited VPN protection for their browsing traffic.

HOW

Protecting users' browsing traffic is easy and fast with our built-in VPN solution for mobile devices. Depending on a user's mode settings, we automatically start a VPN connection when they open the browser. A user can control when to turn on the VPN connection, when to disconnect, and when to reconnect in their settings.

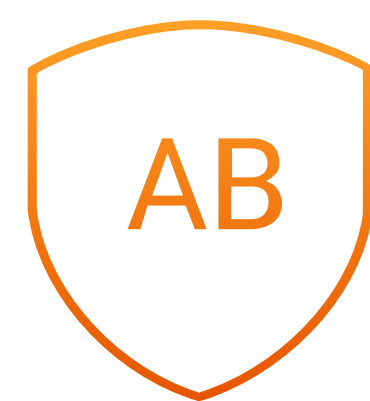
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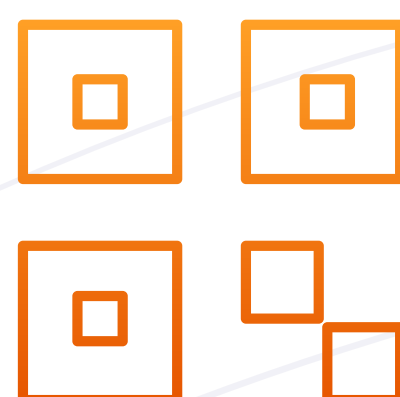
E PERFORMANCE

Avast Secure Browser for iOS



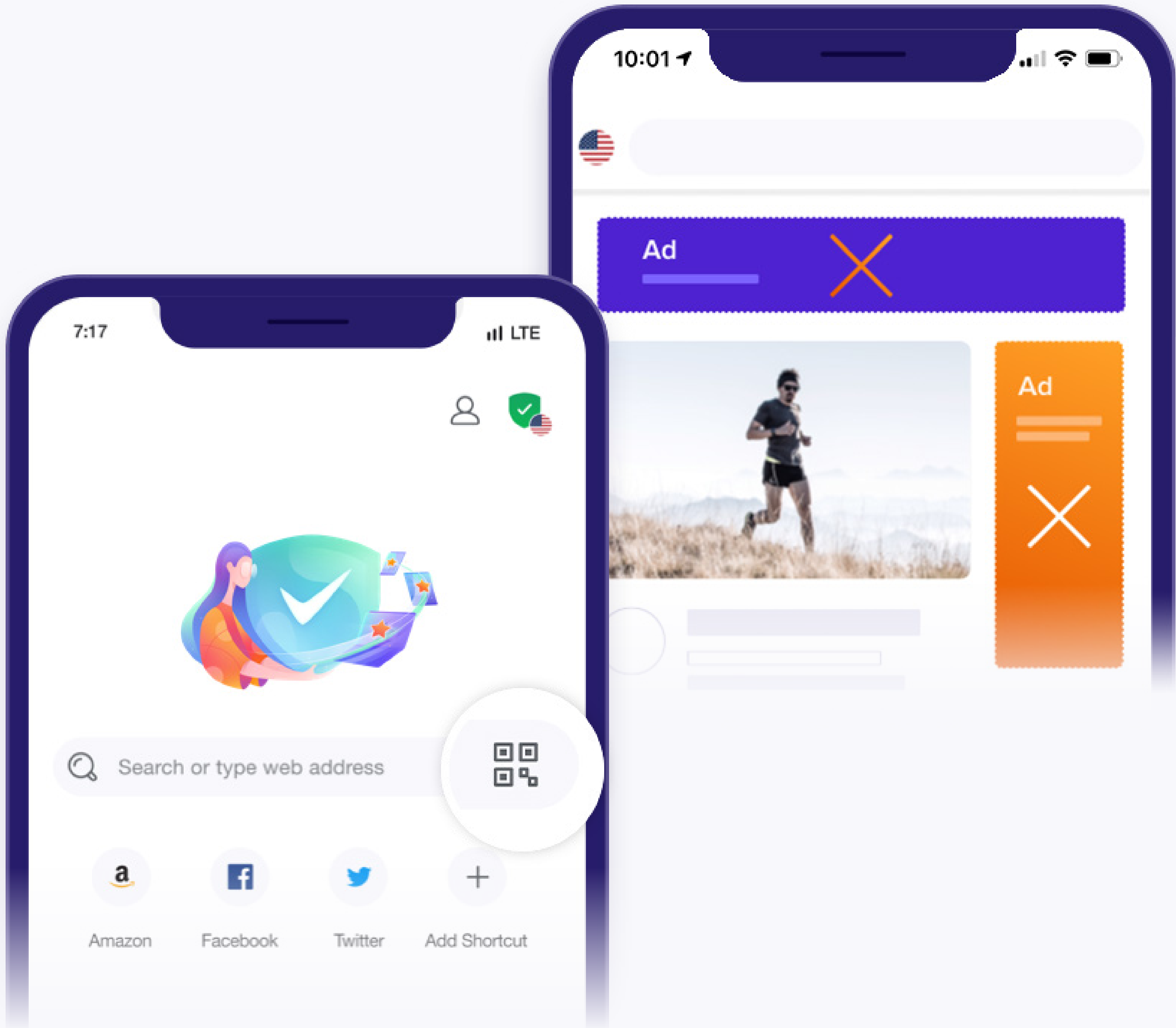
Adblock

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WHY

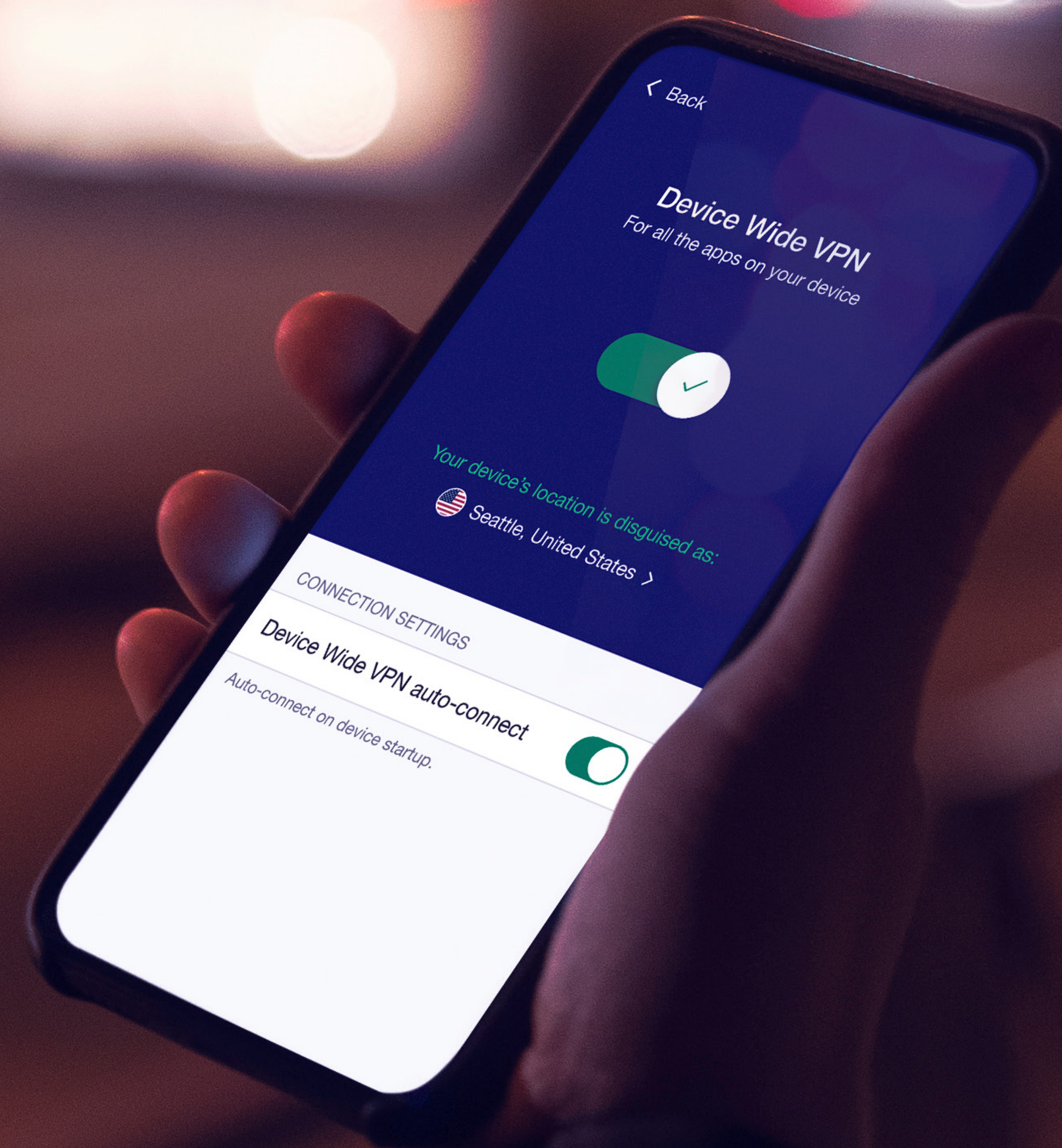
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HOW

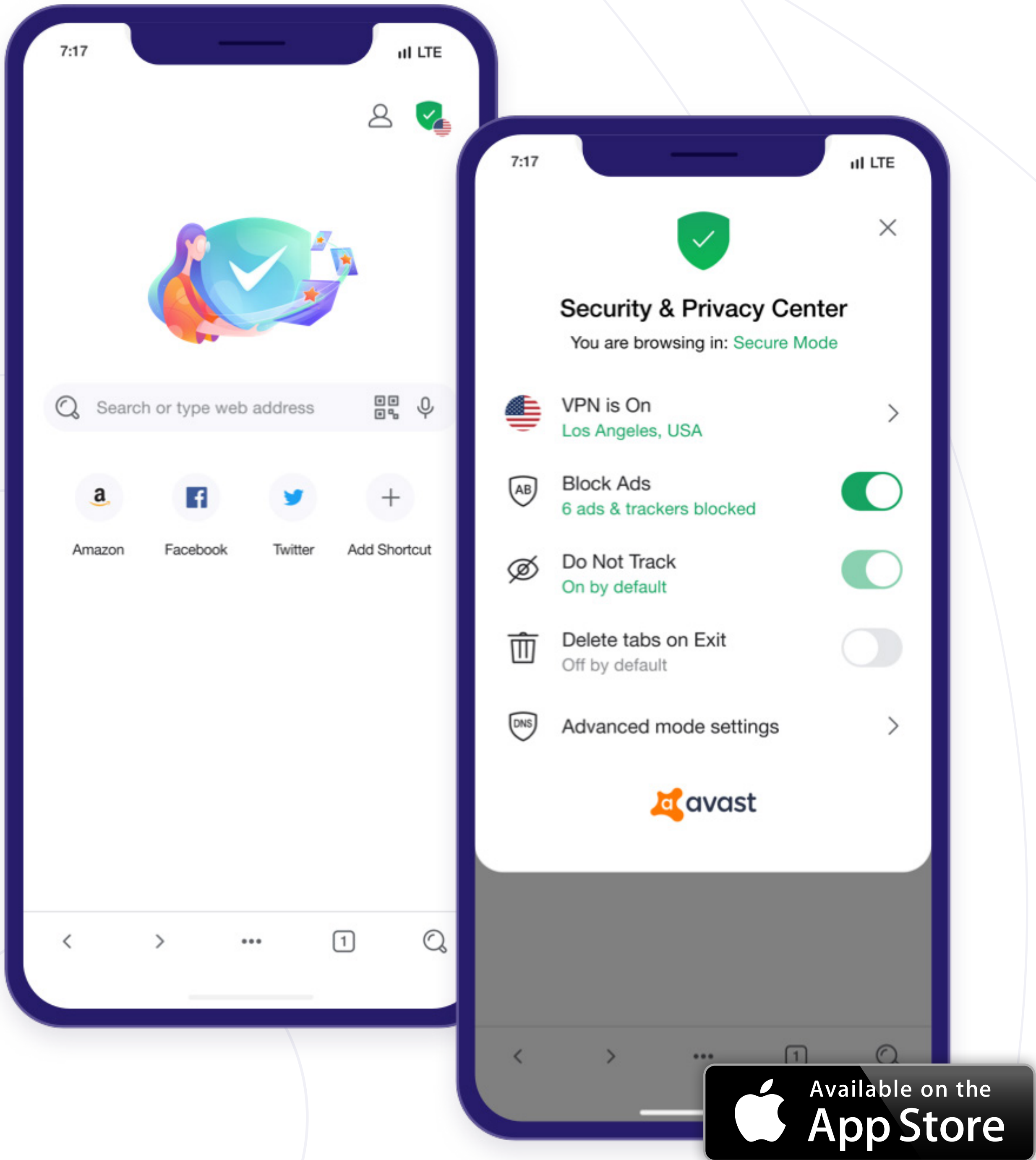
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E **PRODUCT COMPARISONS** (FREE VS PRO)
Avast Secure Browser for iOS



	Avast Secure Browser	Avast Secure Browser PRO
Anti-Tracking	•	•
Encrypted Media Vault	•	•
Remove Site Data	•	•
Modes	•	•
Adblock	•	•
Video Downloader	•	•
QR Reader	•	•
VPN	•	•
Traffic	Unlimited	Unlimited
Server Locations	Fastest location only	30+
Device Wide	Only through Avast Secure Browser	•



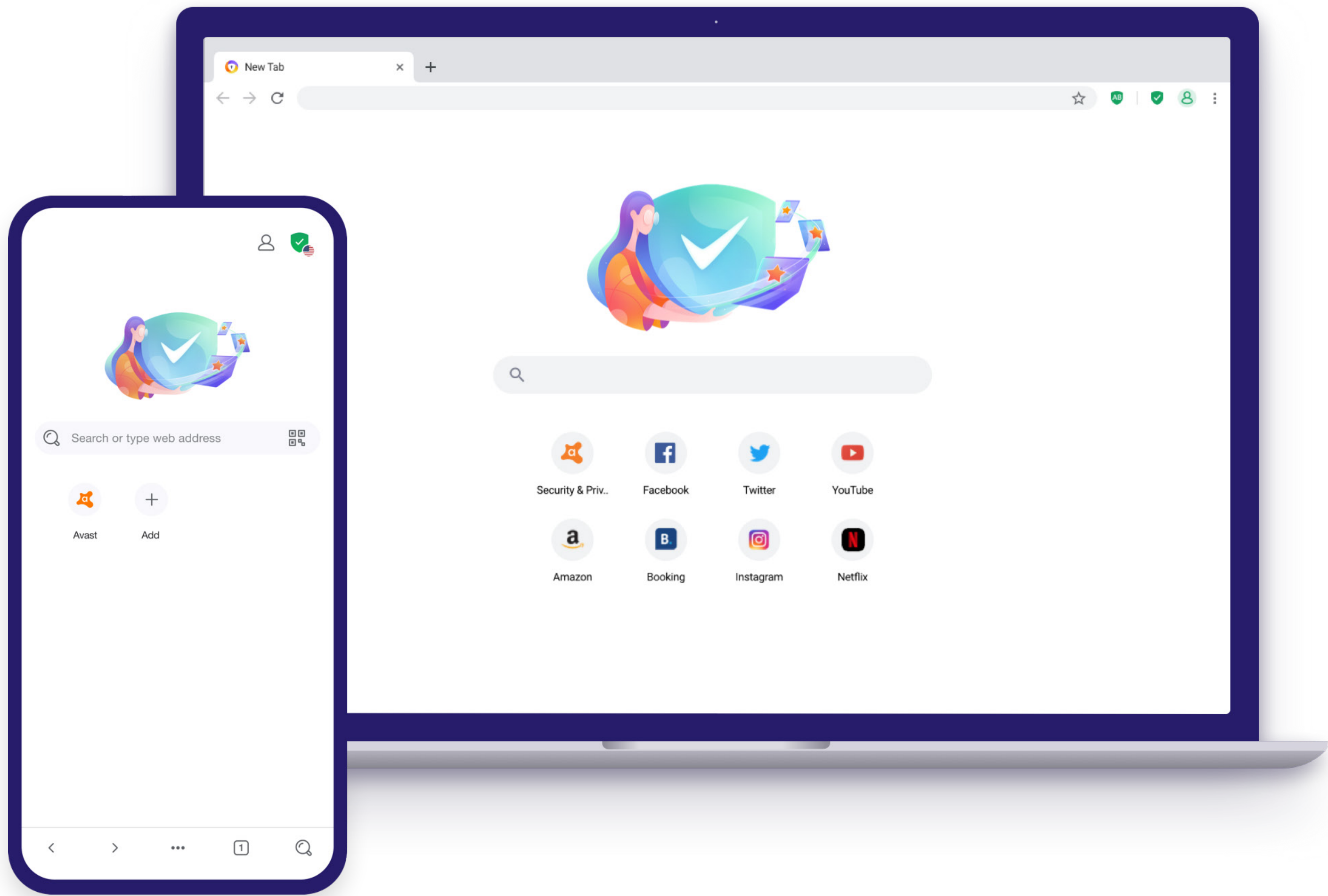
FEATURE TO FEATURE **OVERVIEW** **F**




F PRODUCT COMPARISONS

Avast offers more

How Avast's key features compare alongside other leading browsers.

With a focus on performance, the Security & Privacy Center for security management and education, and an uncluttered browsing experience, the feature set has been customized from the start.



	 Avast Secure Browser	 Google Chrome	 Mozilla Firefox	 Microsoft Edge
Built-in Adblock	●	●	—	—
Anti-Tracking (on by default)	●	—	—	—
True 'Private Browsing' Mode*	●	—	●	●
Bank Mode	●**	—	—	—
Security & Privacy Center	●	—	—	—
Built-in Password Manager	●***	●	●	●
Forced HTTPS Encryption	●	—	—	—
Supports Extensions/Add-ons	●	●	●	●
Built-in Video Downloader	●	—	—	—
Chromecast Support	●	●	—	—
Available for Mac	●	●	●	●
Available for Android	●	●	●	●
Available for iOS	●	●	●	●
Windows Version Support	7+	7+	7+	10

* True private browsing - Anti-Tracking, Anti-Phishing, and HTTPS Encryption are forced on
** Avast Antivirus is needed to use Bank Mode
*** Not on mobile (Android & iOS)

CONNECT & DOWNLOAD **THE PRODUCT** 

G CONNECT & DOWNLOAD THE PRODUCT

Download a review copy

Download the Avast Secure Browser using the link below. To contact a technical product manager or engineer with any questions, please reach out to your local PR contact.

Download

Available to download for free from <https://www.avast.com/secure-browser>

Specifications

- Available for Windows 7+, OS X Yosemite 10.10 or later, Android 5.0 and up, and iOS 13.0 and up.
- Based on Chromium
- Supported languages*:

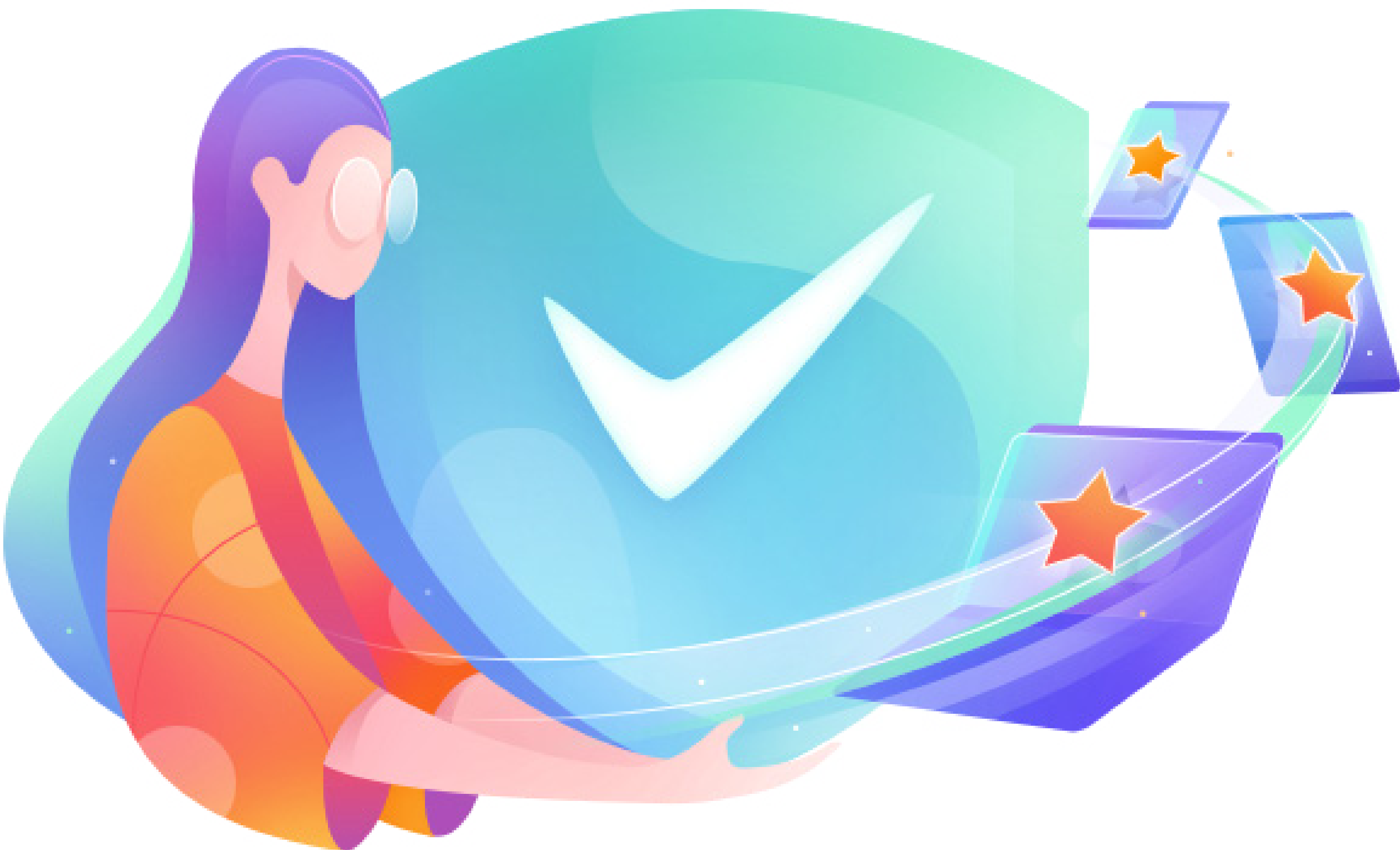
Arabic, Belorussian, Bengali, Bulgarian, Catalan, Chinese (Simplified), Chinese (Traditional), Croatian, Czech, Danish, Dutch, English, Estonian, Farsi (Persian), Finnish, French, German, Greek, Hebrew, Hindi, Hungarian, Italian, Japanese, Korean, Latvian, Lithuanian, Malay, Norwegian, Polish, Portuguese (Brazil), Portuguese (Portugal), Romanian, Russian, Serbian (Latin), Slovak, Slovenian, Spanish, Swedish, Thai, Turkish, Ukrainian, Urdu, Vietnamese

*Languages may vary

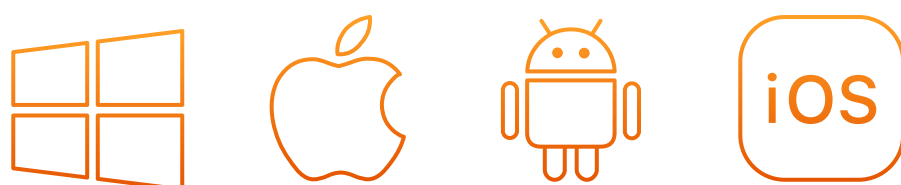
Global leaders in digital security products

Avast www.avast.com protects over 400 million people online using an unrivalled library of security software distributed under the Avast and AVG brands. Using an advanced threat detection network and machine learning algorithms, Avast is able to detect, identify, and stop any and all threats that may try to infect or compromise the data, devices, and digital lives of our users.

Avast digital security products for mobile, PC and Mac are top-ranked and certified by VB100, AVComparatives, AV-TEST, OPSWAT, ICSC Labs, West Coast Labs, and more.



Available for:



AVAST PR & TECHNICAL contact information

If you have any questions about Avast Secure Browser for your review, or would like to request screenshots, graphics, or additional materials, please contact: pr@avast.com. You can find a media kit at [Avast.com](https://www.avast.com). We have technical product experts who can quickly get in touch to help you through any of your product testing scenarios or questions.

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