



 Add to saved

Microsoft Defender | Real-time protection

10 MINS | 4.9 (207) ★★★★★

Start Story

Modules in this Story



Microsoft Defender | Real-time protection

10 MINS



Microsoft Defender

Real-time protection from the start

[ACCESSIBILITY](#)

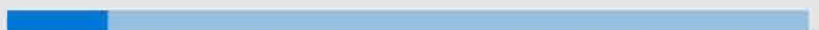
[START >](#)



Real-time protection

Did you know, that in 2019 alone, [Microsoft blocked](#) over **13 billion malicious and suspicious mails**? And of those, over 1 billion were phishing related? With ransomware and phishing schemes more prevalent than ever, it's no surprise that **cybercrime is on the rise**.

This is why **all Windows 10 devices** include **Windows Security** and are secured with **Microsoft Defender Antivirus**. In this story, we'll focus on how Microsoft Defender is delivering comprehensive, ongoing, and real-time protection against software threats.



Protected right from the start



From the first moment you start your new Windows 10 device, it is actively protected.

By default, Windows Security Center is configured with the settings that work best for most customers based on our research.

You can always choose to change your settings—and if we ever have reason to think something may make your device less secure, **the app will let you know.**



Comprehensive protection

Always on defense at no extra cost >

**Files are secured and accessible
across devices** >

You manage your privacy >

Help keep your family safer online >



Comprehensive protection

Always on defense at no extra cost 

No need to download—**Microsoft Defender Antivirus comes standard on Windows 10**, protecting your data and devices in real time with a full suite of advanced security safeguards.*

*For the supported lifetime of the device. Internet access fees may apply.

Files are secured and accessible across devices 

You manage your privacy 

Help keep your family safer online 



Comprehensive protection

Always on defense at no extra cost >

Files are secured and accessible across devices v

Save your files to OneDrive to keep them protected, backed up, and accessible from all your devices, anywhere.

You manage your privacy >

Help keep your family safer online >



Comprehensive protection

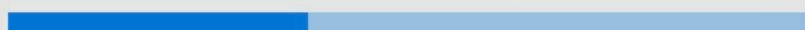
Always on defense at no extra cost >

Files are secured and accessible
across devices >

You manage your privacy <

Set your location, camera, and data usage options in the **easy-to-access account settings panel**.

Help keep your family safer online >



Comprehensive protection

Always on defense at no extra cost >

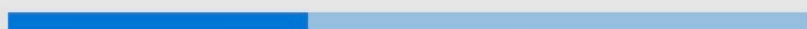
Files are secured and accessible
across devices >

You manage your privacy >

Help keep your family safer online ✓

With family options in Windows 10, you can **schedule screen time, limit access to mature content, and restrict online purchases**—including apps, games, and movies.*

*Requires a Microsoft family account with Device health sharing permissions enabled.



Getting started



Video unavailable

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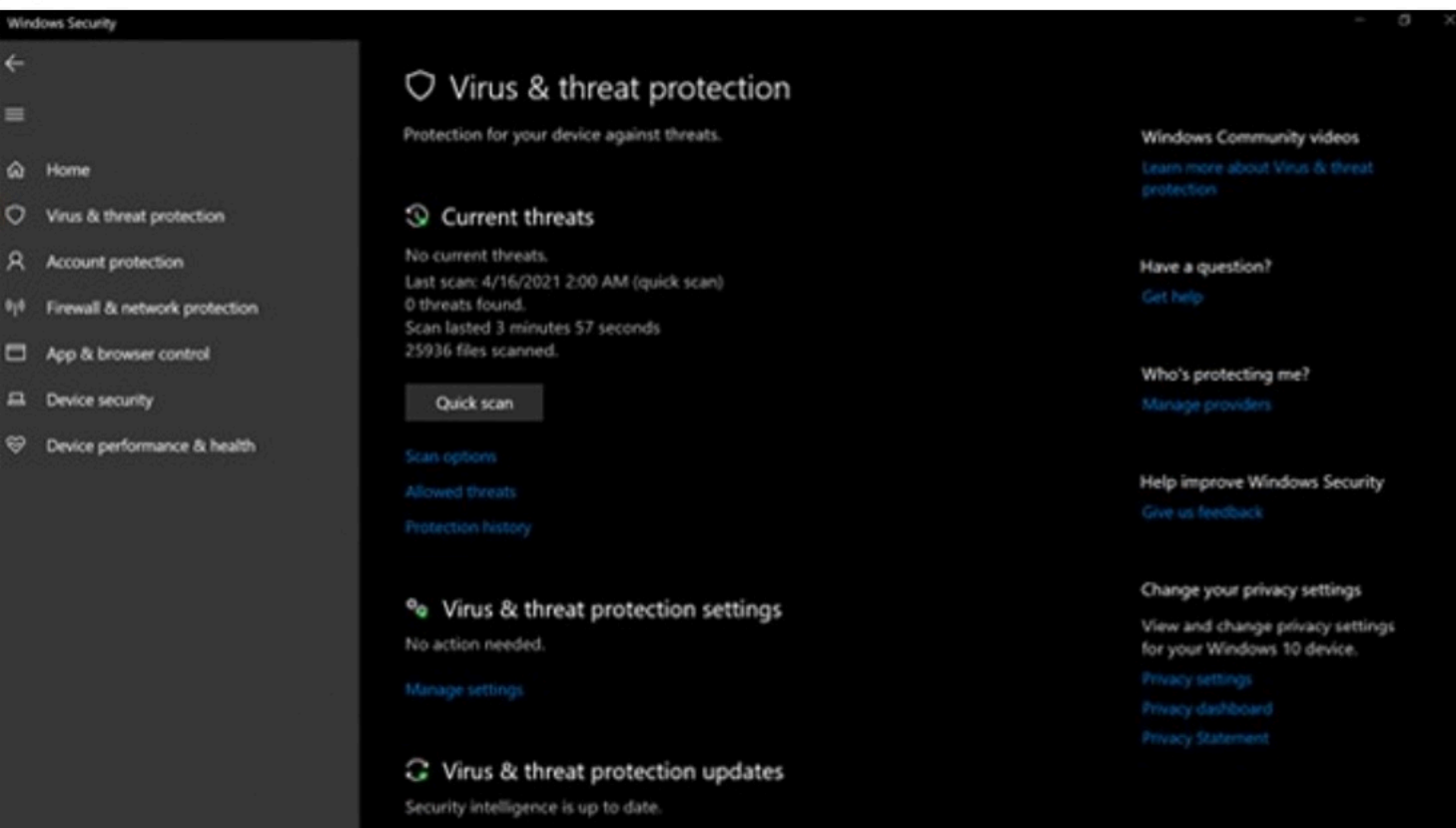
Windows Security is your home to **manage the tools that protect** your device and your data.

You can **customize how your device is protected** with each of these Windows Security features.

To access them select **Start**  > **Settings**  > **Update & Security**  > **Windows Security** 
Then select the feature you want to explore.



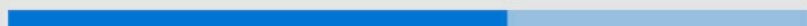
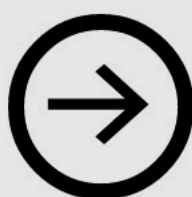
Managing your settings



Virus & threat protection

This area helps you run different types of scans on your device, see the results of your previous virus and threat scans, and get the latest protection offered by Microsoft Defender Antivirus.

LEARN MORE >



Virus and threat detection

Use these settings to customize your level of protection, send sample files to Microsoft, perform additional scans, exclude trusted files and folders from repeated scanning, or temporarily turn off your protection.

- [Exclude items from virus scans.](#)
- Use the [Controlled folder access setting](#) to protect files from unauthorized access.
- [Manage your notifications.](#)
- Use [Tamper Protection](#) to avoid important settings from being accidentally or maliciously turned off.
- [Learn more](#) about Virus & threat protection settings.

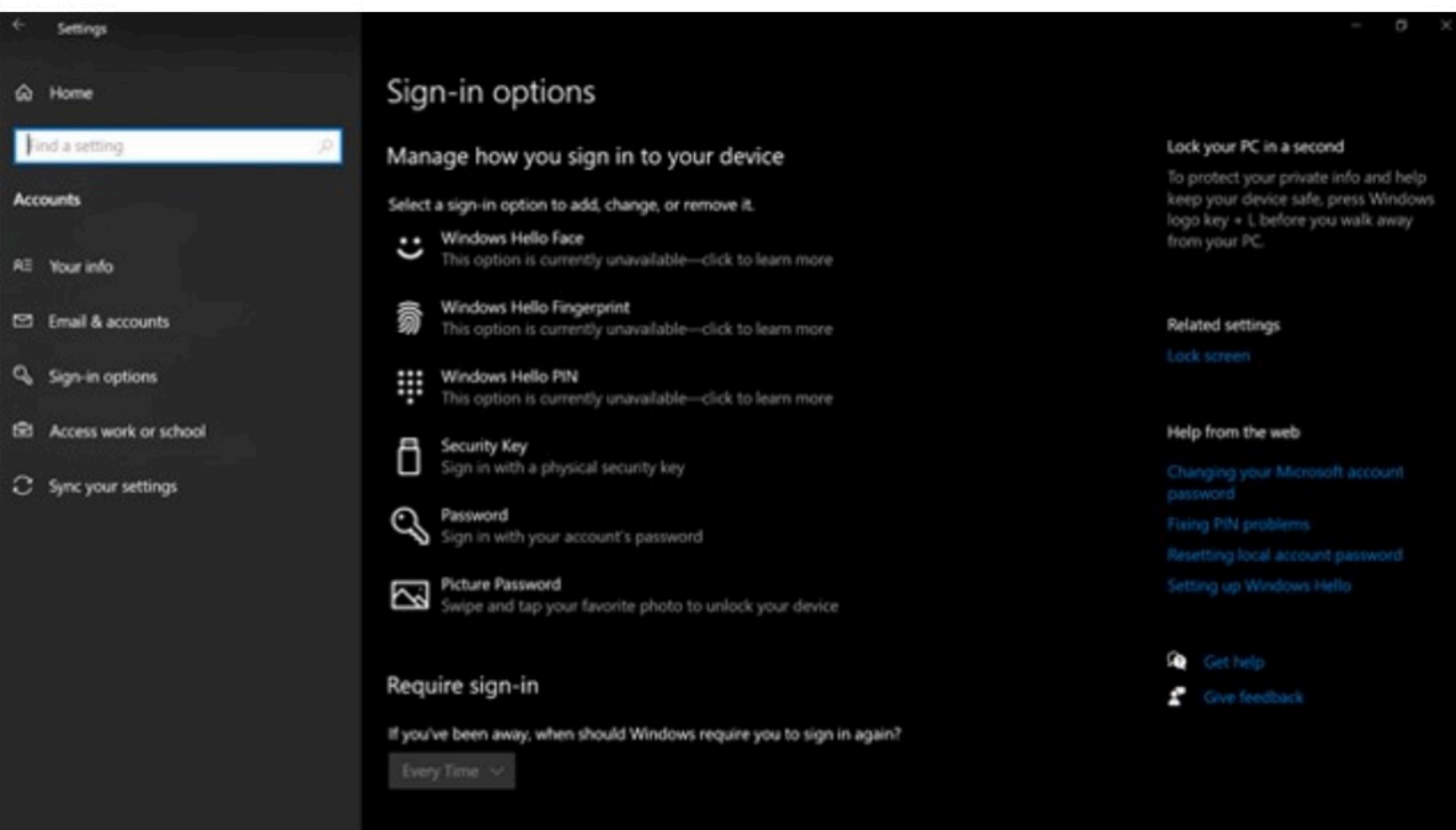
Tip: If you're running Windows 10 in S mode, some of the features of the Windows Security interface will be different.



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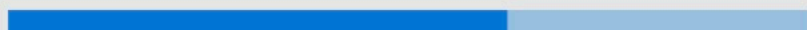


Managing your settings

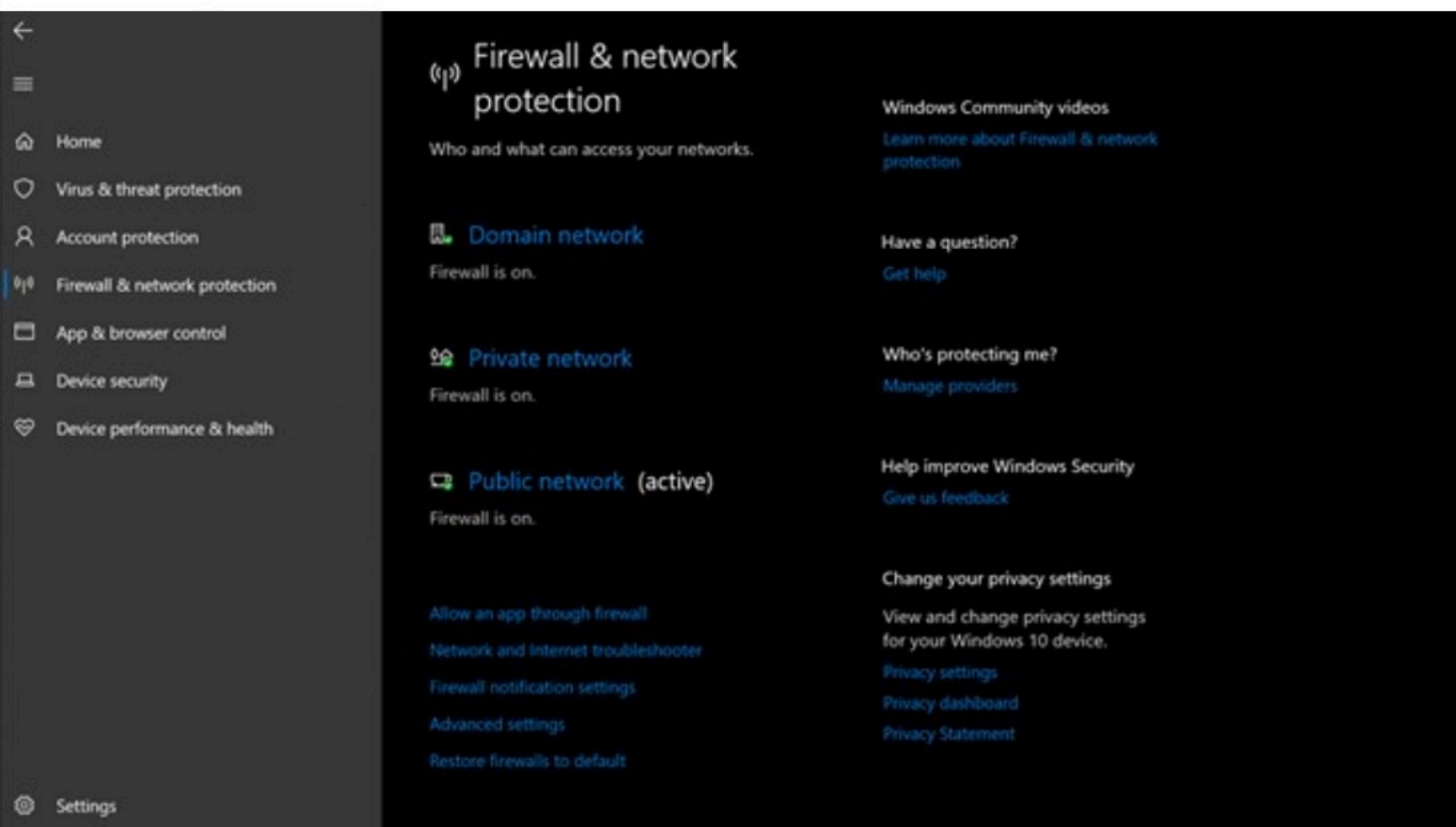


Account protection

Access sign-in options and account settings, including Windows Hello and Dynamic Lock.



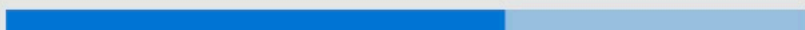
Managing your settings



Firewall & network protection

Manage firewall settings and monitor what's happening with your networks and internet connections.

LEARN MORE >



Firewall & network settings

When you select one of the three network types you'll get the settings page. You'll also find a slider for managing the firewall as well as settings to:

- **Allow an app through firewall**—if the firewall is blocking an app you really need, you can add an exception for that app, or open a specific port.
- **Network and Internet troubleshooter**—for general network connectivity issues use this to troubleshoot and try to automatically diagnose and fix them.
- **Firewall notification settings.**
- **Advanced settings**—create inbound or outbound rules, connection security rules, and see monitoring logs for the firewall.
- **Restore firewalls to default.**

[Learn more about these settings.](#)

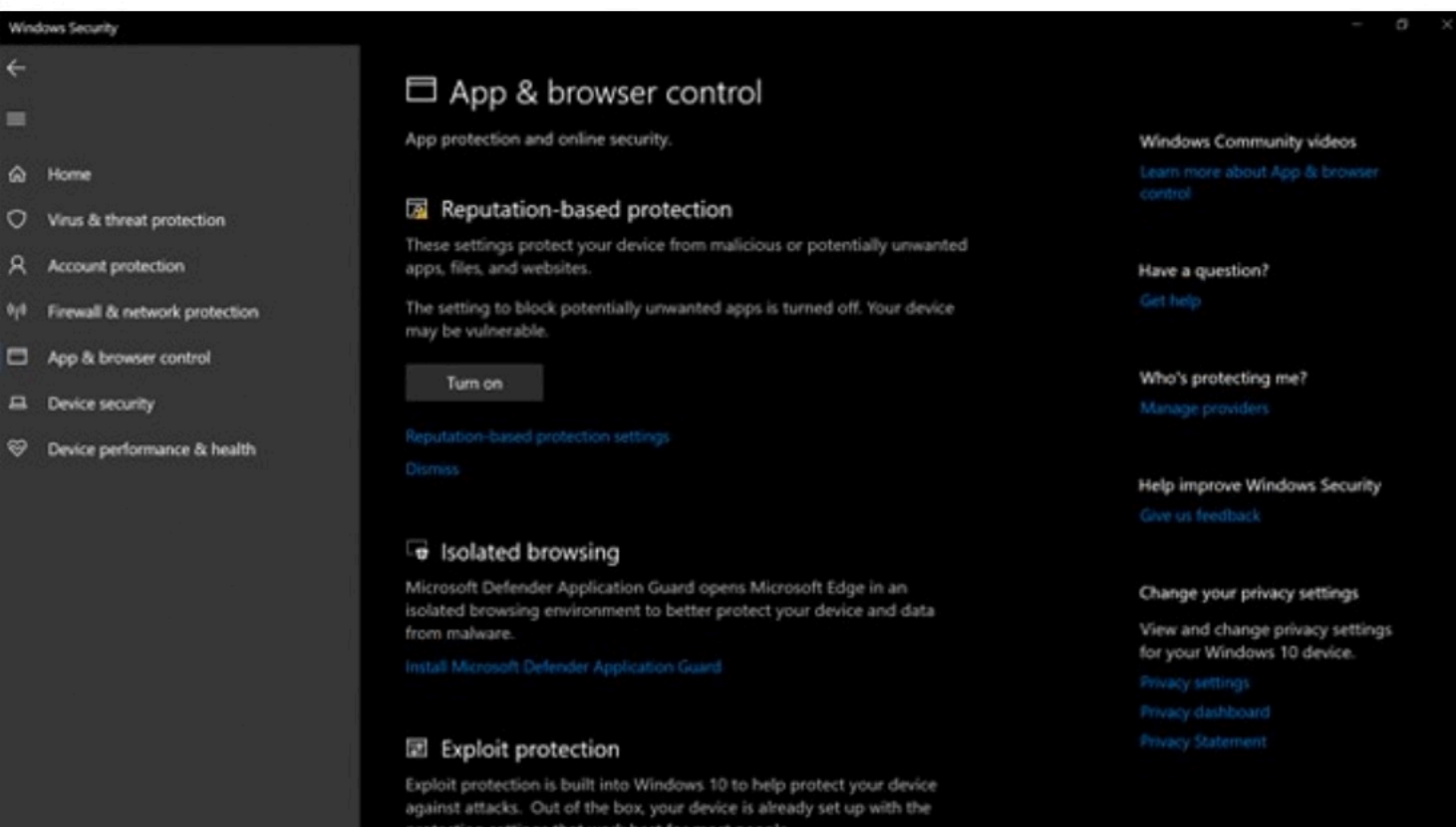
**Security features may look different in Windows 10 in S mode.*



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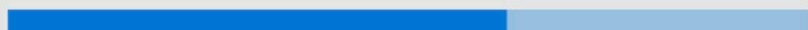
Managing your settings



App & browser control

Updating settings for Microsoft Defender SmartScreen helps protect your device against potentially dangerous apps, files, sites, and downloads. You'll have exploit protection and you can customize protection settings.

LEARN MORE >



App and browser control

App & browser control in Windows Security provides the settings for Microsoft Defender SmartScreen that protects your device with:

- **Reputation based protection**—leverages what Microsoft knows about various sites, services, publishers, and threats to help protect you from malicious apps, files, or websites.
- **Microsoft Defender Application Guard** for Edge can help protect against untrusted and potentially dangerous sites by opening them in a virtualized container, isolated from your important files and folders.
- **Exploit protection** is already configured and running on your device, however you can always customize it to your preferences.

Learn more about app and browser control.

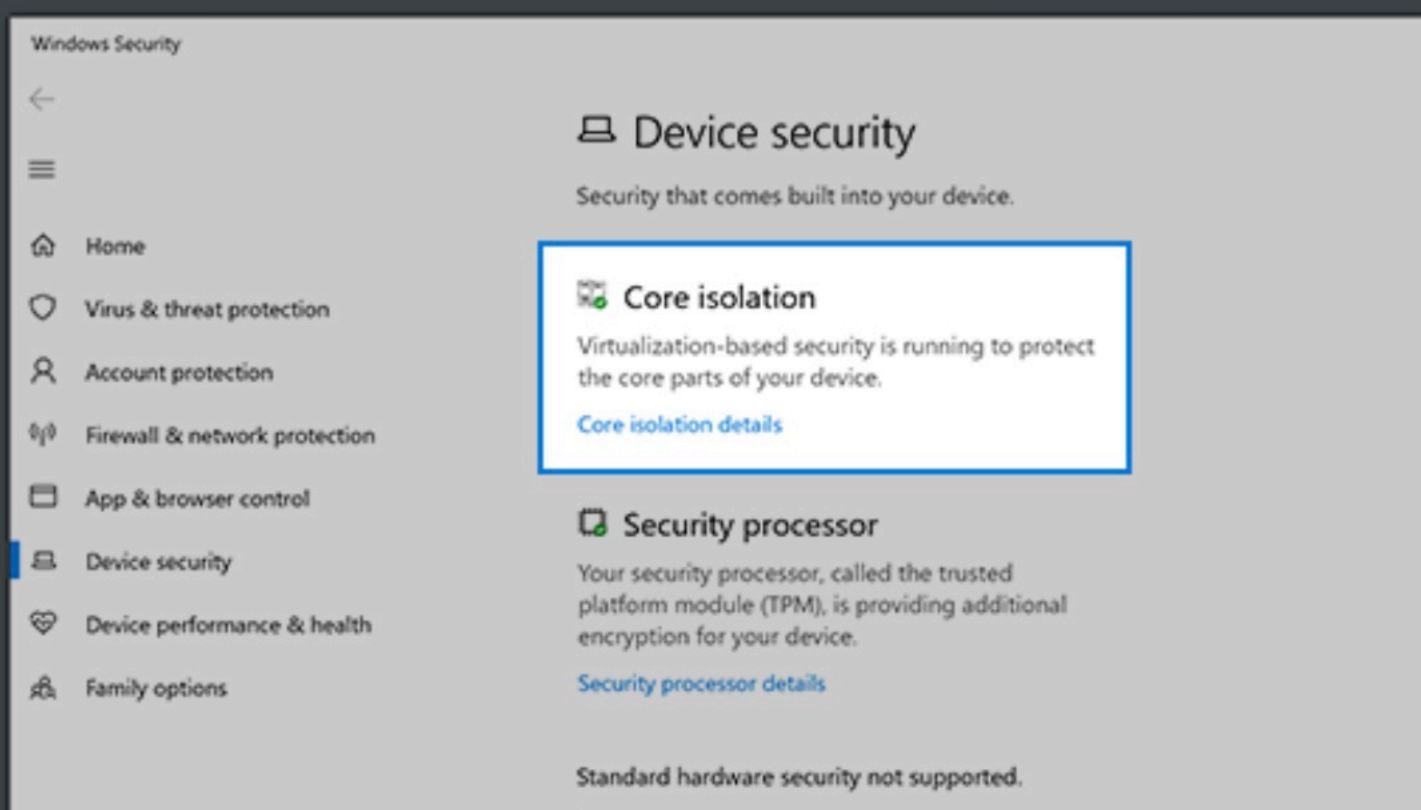
**Security features may look different in Windows 10 in S mode.*



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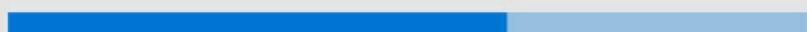
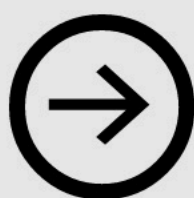
Managing your settings



Device security

Review built-in security options to help protect your device from attacks by malicious software. To access the features in the search box on the taskbar, type **Windows security**, select it from the results, and then select **Device security**.

LEARN MORE >



Device protection

Windows Security provides built-in security options to help protect your device from malicious software attacks:

- **Core isolation**—provides added protection against malware and other attacks by isolating computer processes from your operating system and device. Select **Core isolation details** to enable, disable, and change the settings.
- **Memory integrity**—Helps prevent malicious code from accessing high-security processes.
- **Security processor**—provides additional encryption for your device and information about the security process, manufacturer and version numbers, and the security processor's status. **Select Security processor details** for additional info and options. [Learn more.](#)

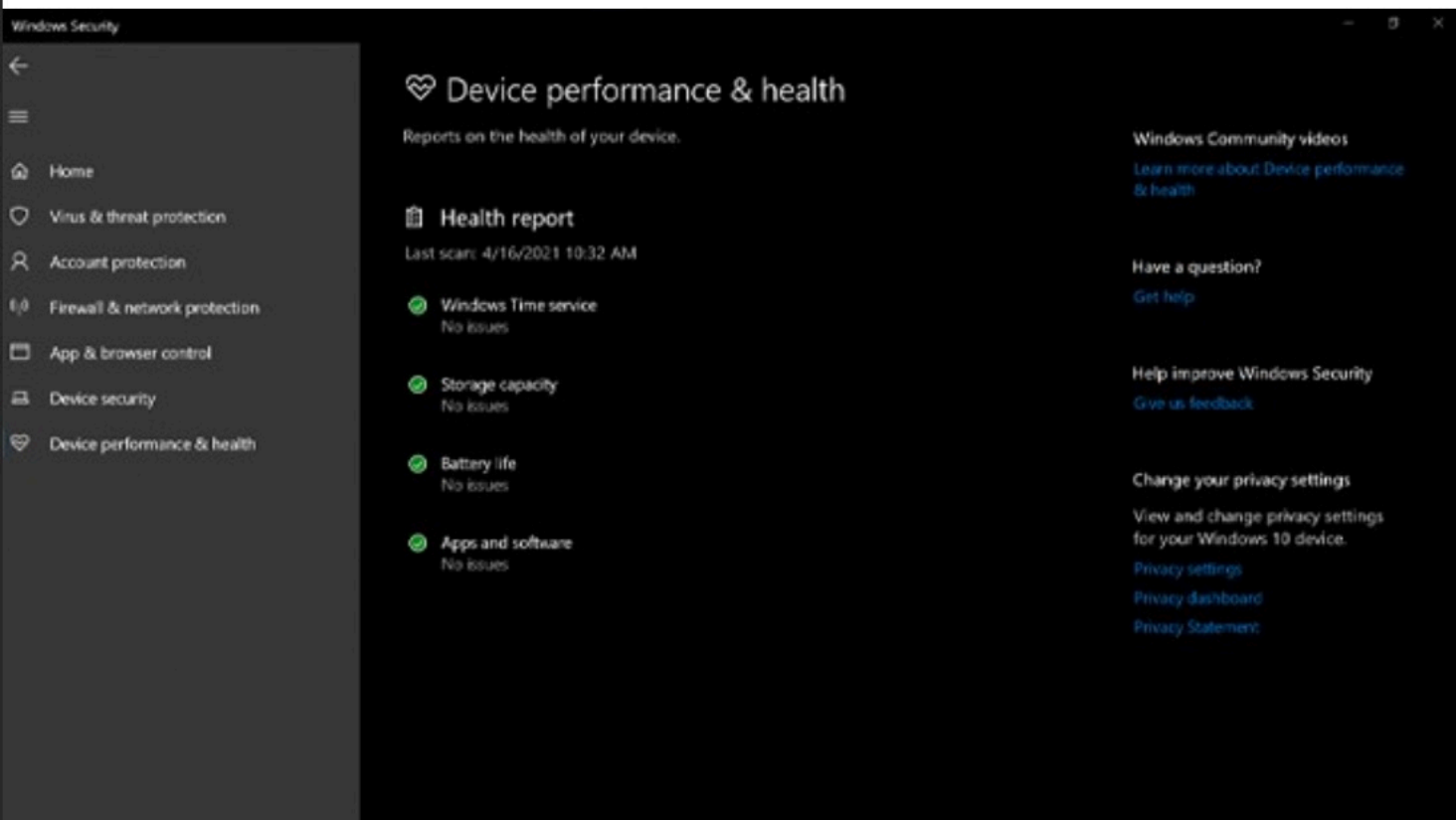
**Security features may look different in Windows 10 in S mode.*



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Managing your settings



Device performance & health

To help you keep your device secure—Windows Security monitors your device for security issues and provides a health report with alerts to common issues in four key areas with recommendations to remedy them.

LEARN MORE >



Device performance

To view the health report, type **Windows Security** in the taskbar, and then select it from the results. To view, select **Device performance and Health**. From here, you'll see the status of the key areas it monitors:

- **Storage capacity**—is your system running low on disk space?
- **Apps and software**—is any of your software failing, or in need of an update?
- **Battery life**—is anything putting an extra strain on your PC's battery?
- **Windows Time service** synchronizes your system clock to an internet-based time service so your system time is always correct. If this service is off, or failing, Device performance & health will let you know so you can fix it.

[Learn](#) ***how to resolve issues and more.***

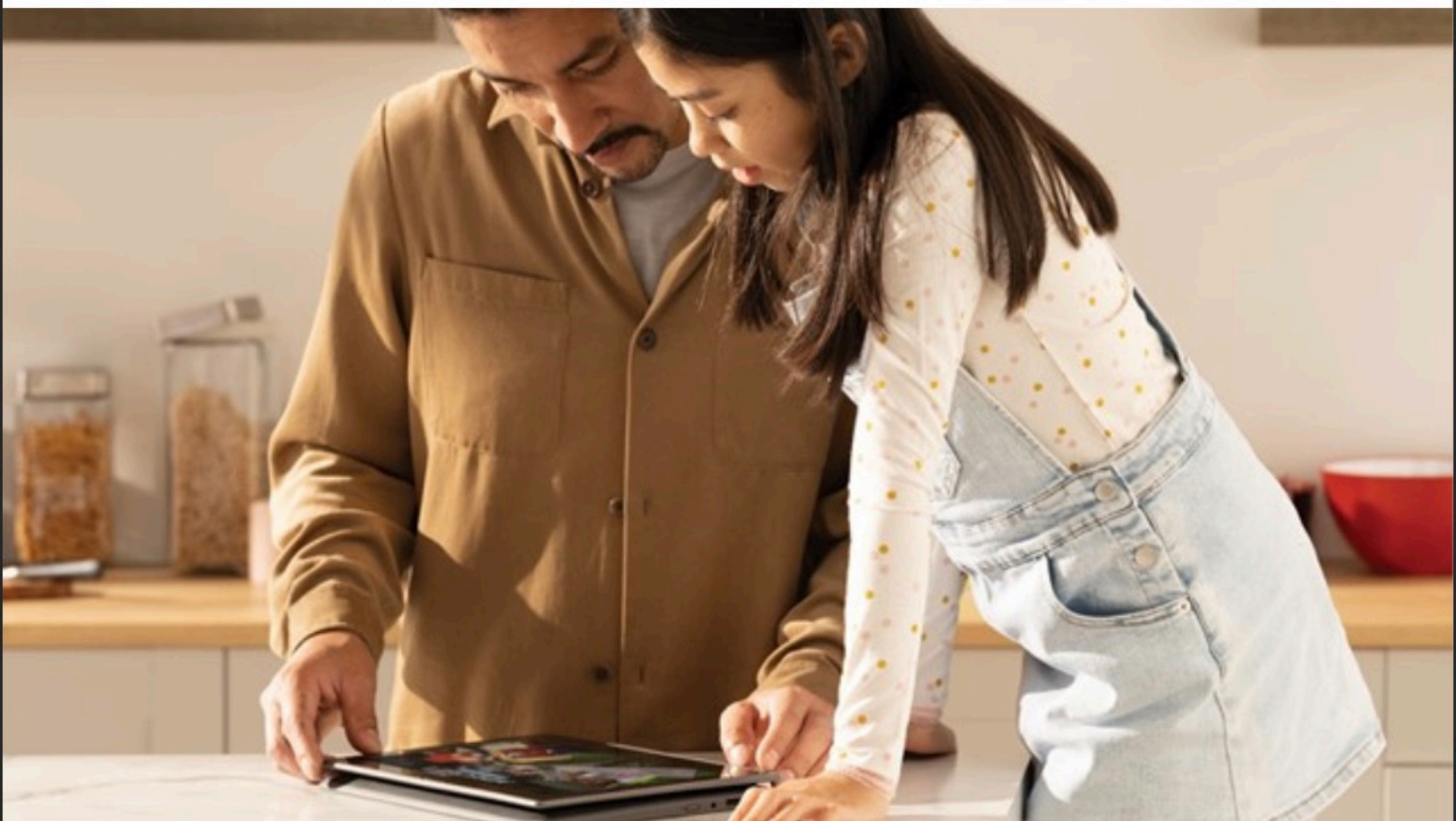
*Security features may look different in Windows 10 in S mode.



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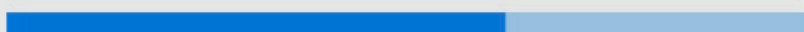
Managing your settings



Family options

This feature provides you with easy access to tools to manage your children's digital life. Use it to help keep your children's devices up to date with the latest version of Windows 10 and to protect your kids when they're online.

LEARN MORE [>](#)



Family settings

To open Family options, go to Start  and then select **Settings**  > **Update & Security**  > **Windows Security**  > **Family options** .

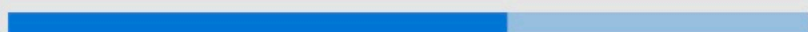
To adjust your family settings or to set up a family, select **View family settings** to go to your Family section on account.microsoft.com or download the new [**Microsoft Family Safety app**](#). From here, you can:

- **Create a family** or add new members.
- **Get activity reports** of your kids' online activity—even block inappropriate websites, apps, or games.
- **Set screen time limits** for your kids by scheduling when and how long they can be on their devices.
- **Manage your kids' spending** in the Microsoft Store.

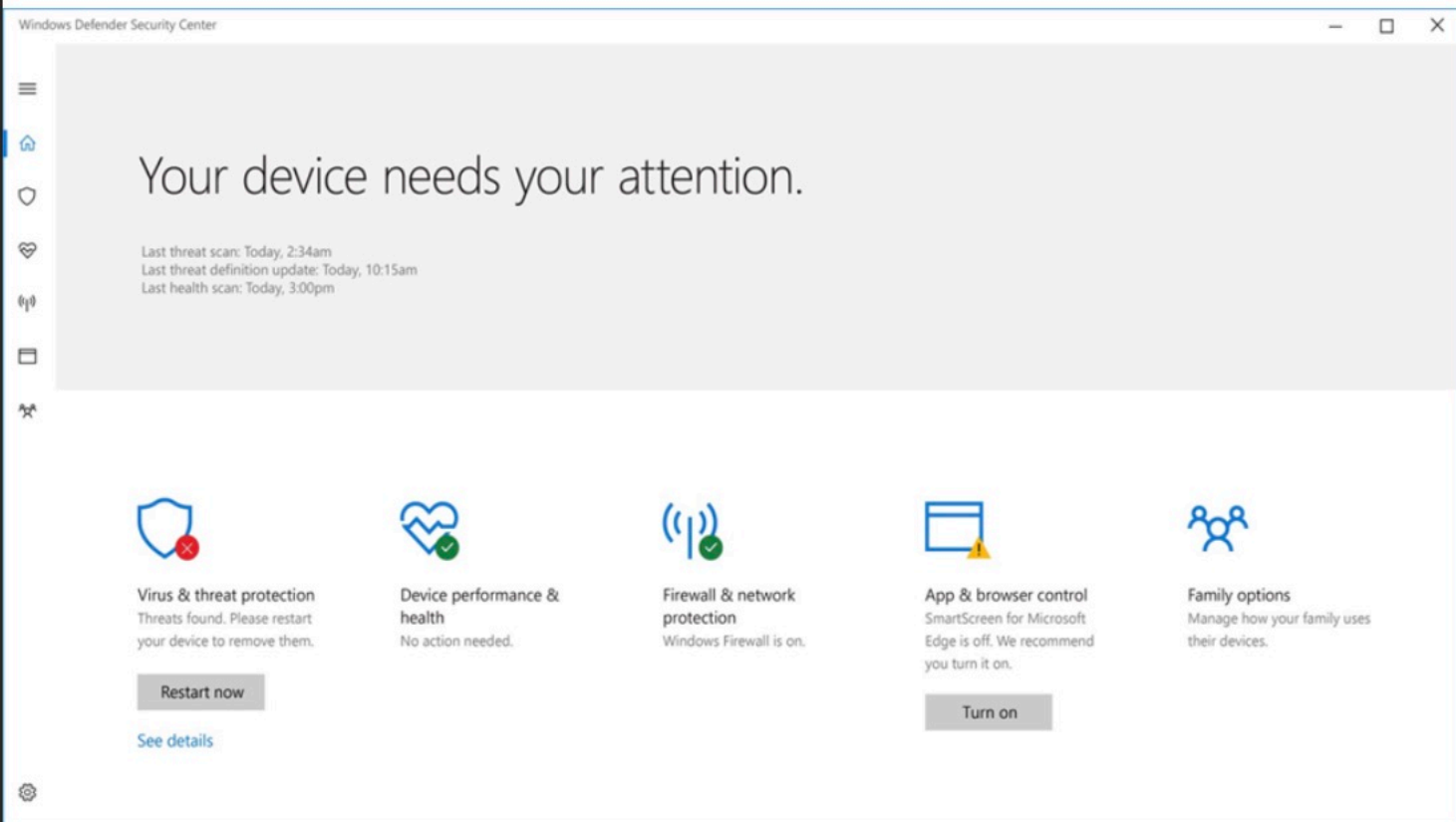
[***Learn more about family settings.***](#)



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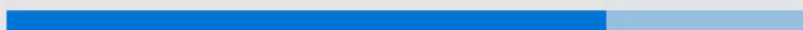


Know your status



If Windows Security finds a threat, **you'll see an icon** in the app and the taskbar notification. In the app, you will see a button with a recommendation on how to fix the problem.

- ✓ **Green** means you're doing great, no actions needed!
- ✓ **Yellow** means uh, oh, you may want to take a look at something. We have some safety recommendations for you.
- ✓ **Red** means warning! Something needs your immediate attention!



Running scans

Current threats

Quick scan running...

Estimated time remaining: 00:00:23

4837 files scanned

Cancel

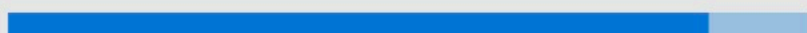
Feel free to keep working while we scan your device.

[Protection history](#)

When you're **concerned about risks to a specific file or folder**, you can right-click the file or folder in File Explorer, then select **Scan with Microsoft Defender**.

If you suspect there's **malware or a virus on your device**, you should immediately **run a quick scan**. This is much faster than running a full scan on all your files and folders.

LEARN MORE >



Running scans

To run a quick scan:

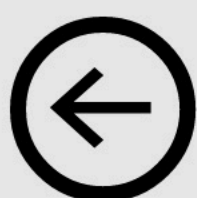
1. Select **Start**  > **Settings**  > **Update & Security**  > **Windows Security**  and then **Virus & threat protection**.
2. Under **Current threats**, select Quick scan (or in previous versions of Windows 10, under **Threat history**, select **Scan now**).

To run an advanced scan:

1. Repeat steps 1 and 2 above, but instead of Scan now, select **Run a new advanced scan**.
2. Select one of the scan options:
 - **Full scan** (check files and programs currently running on your device)
 - **Custom scan** (scan specific files or folders)
 - **Microsoft Defender Offline scan** (run this scan if your device has been, or could potentially be, infected by a virus or malware). [Learn more](#) about running scans.



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You're in control

Make sure you **let your customers know that** Microsoft is working to make it easier to **view and control the security features** already protecting them on their Windows 10 devices. And always keep in mind, the **most secure device is a modern device** with the **latest updates**.

Keep checking ExpertZone for more helpful tips on all of your favorite Microsoft apps and tools!



Select 'X' to close.