3 - Firewall & Network Protection

Task 5 Firewall & network protection

What is a firewall?

Per Microsoft, "Traffic flows into and out of devices via what we call ports. A firewall is what controls what is - and more importantly isn't - allowed to pass through those ports. You can think of it like a security guard standing at the door, checking the ID of everything that tries to enter or exit".

The below image will reflect what you will see when you navigate to Firewall & network protection.

(1) Firewall & network protection

Who and what can access your networks.

Domain network

Firewall is on.

Private network (active)

Firewall is on.

Public network

Firewall is on.

Allow an app through firewall

Network and Internet troubleshooter

Firewall notification settings

Advanced settings

Restore firewalls to default

Note: Each network may have different status icons for you.

What is the difference between the 3 (Domain, Private, and Public)?

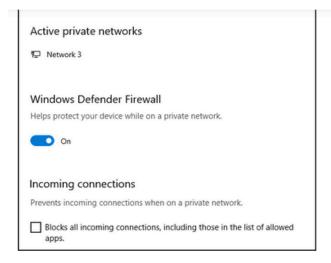
Per Microsoft, "Windows Firewall offers three firewall profiles: domain, private and public".

- Domain The domain profile applies to networks where the host system can authenticate to a domain controller.
- Private The private profile is a user-assigned profile and is used to designate private or home networks.
- Public The default profile is the public profile, used to designate public networks such as Wi-Fi hotspots at coffee shops, airports, and other locations.

If you click on any firewall profile, another screen will appear with two options: turn the firewall on/off and block all incoming connections.

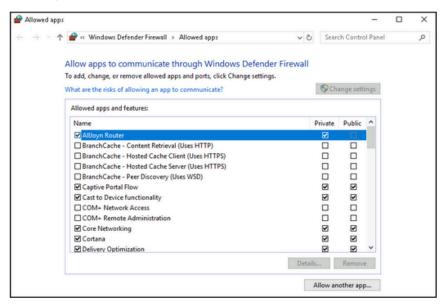
№ Private network

Networks at home or work, where you know and trust the people and devices on the network, and where your device is set as discoverable.



Warning: Unless you are 100% confident in what you are doing, it is recommended that you leave your Windows Defender Firewall enabled.

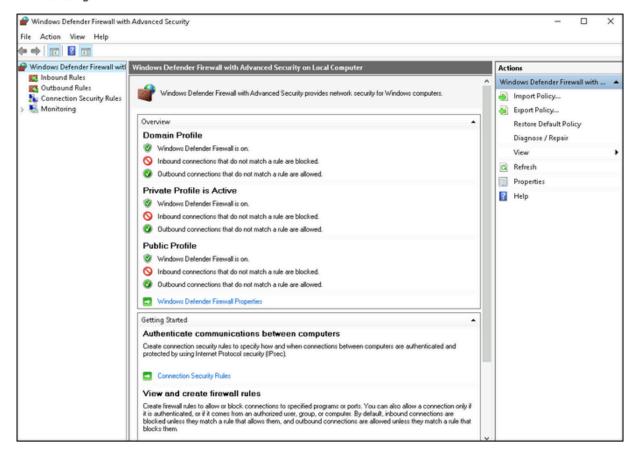
Allow an app through firewall



You can view what the current settings for any firewall profile are. In the above image, several apps have access in the Private and/or Public firewall profile. Some of the apps will provide additional information if it's available via the Details button.

Advanced Settings

Advanced Settings



Configuring the Windows Defender Firewall is for advanced Windows users. Refer to the following Microsoft documentation on best practices here.

Tip: Command to open the Windows Defender Firewall is