



# What is Gateway?

#### Gateway is:

- A computer that sits between different networks or applications
- The gateway converts information, data or other communications <u>from one protocol or format to another</u>.
- A router may perform some of the functions of a gateway.
- An Internet gateway can transfer communications between an enterprise network and the Internet.

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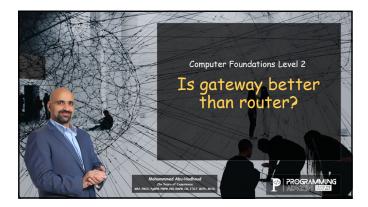
### Is gateway same as router?

- A router <u>is a device that is capable of sending and receiving data packets between computer networks</u>.
- A Gateway, on the other hand, joins dissimilar systems.
- Gateway it is defined as a network entity that allows a network to interface with another network with different protocols.

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# Is gateway better than router?

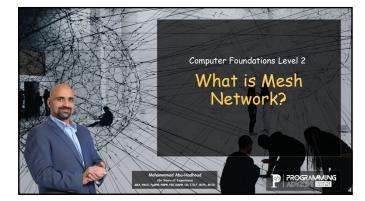
#### It Depends:

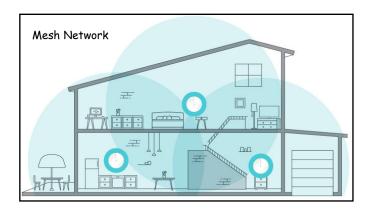
- If your <u>devices are on the same network</u>, then <u>routers and gateways can be peer to peer</u>.
- But if you want to connect two different networks with different protocols, the gateway can suit your demands.

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### What is Mesh Network?

- Mesh networks still have a router that connects to a modem, but it includes mini Wi-Fi devices that are set up around your home.
- These mini Wi-Fi devices, or nodes, communicate with each other and repeat the signal from your router from one node to another, which can extend the range of your wireless network.
- This means that your <u>Wi-Fi connection will be strong in every corner of your house</u>, even in areas where you may have previously had a hard time connecting.

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