

# AQA Computer Science AS Level

## 3.9.2 Networking

### Flashcards

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In which physical network topology does the failure of one cable not affect the performance of the rest of the network?



In which physical network topology does the failure of one cable not affect the performance of the rest of the network?

Star



What name is given to a device communicating on a network that cannot be “seen” by another device that wants to transmit over the network?

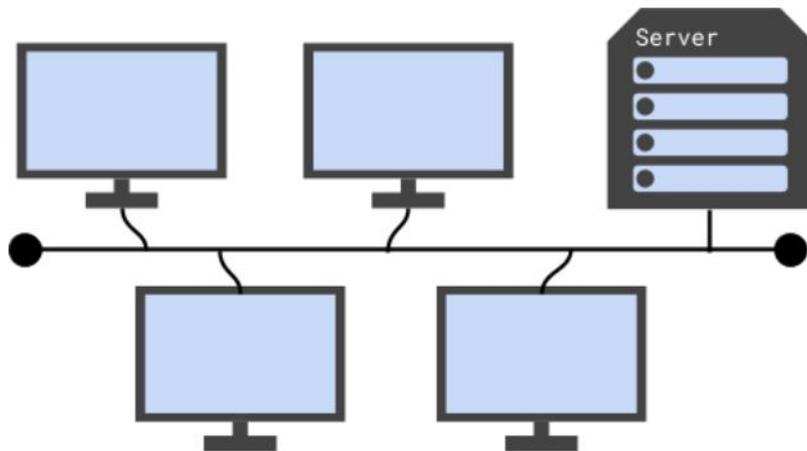


What name is given to a device communicating on a network that cannot be “seen” by another device that wants to transmit over the network?

Hidden node

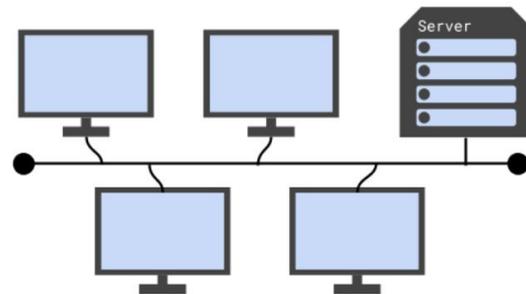


# Which physical topology is shown in the diagram?



Which physical topology is shown in the diagram?

Bus



Which type of topology refers to the architecture of connections in a network:  
physical or logical?



Which type of topology refers to the architecture of connections in a network: physical or logical?

Physical



In which physical network topology is there no central hub?

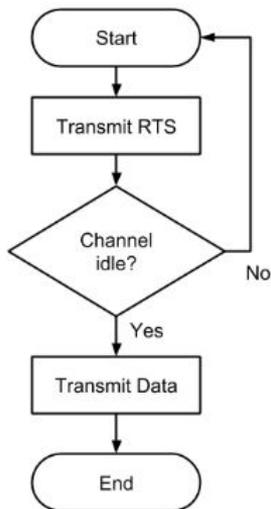


In which physical network topology is there no central hub?

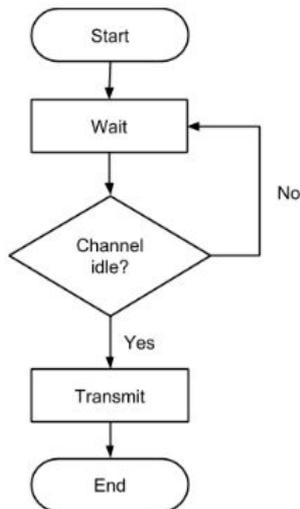
Bus



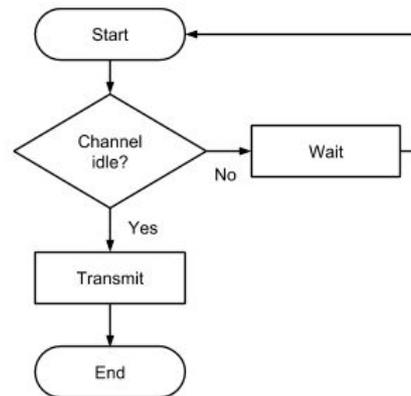
# Which flowchart represents CSMA/CA?



**A**



**B**



**C**



# Which flowchart represents CSMA/CA?

C



What name is given to a wireless local area network that is based on international standards?



What name is given to a wireless local area network that is based on international standards?

WiFi



Which type of topology refers to the flow of data packets in a network: physical or logical?



Which type of topology refers to the flow of data packets in a network: physical or logical?

Logical



What name is given to the cable which connects all of the clients in a physical bus network?



What name is given to the cable which connects all of the clients in a physical bus network?

Backbone



What can be used to make a physical star network behave as a logical bus?

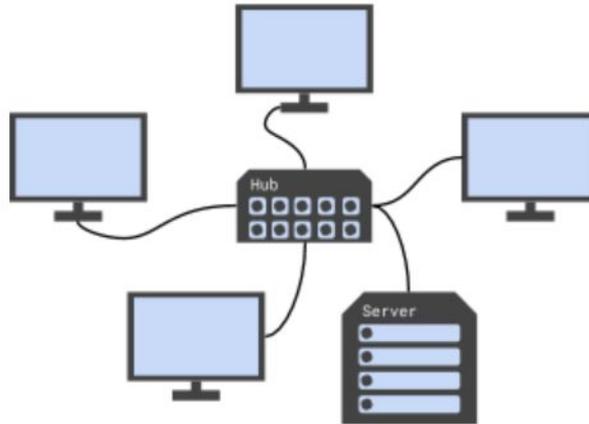


What can be used to make a physical star network behave as a logical bus?

A bus protocol

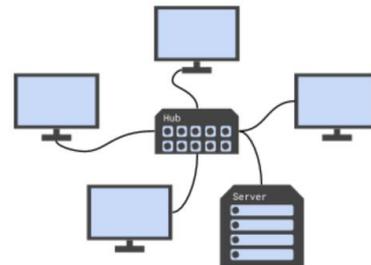


# Which physical topology is shown in the diagram?



# Which physical topology is shown in the diagram?

Star



In which type of networking between hosts do clients have equal status:  
client-server or peer-to-peer?



In which type of networking between hosts do clients have equal status: client-server or peer-to-peer?

Peer-to-peer



In which physical topology does each client have its own direct connection to a central hub?



In which physical topology does each client have its own direct connection to a central hub?

Star



Which type of networking between hosts is used by large file-sharing networks and multimedia providers to provide high-performance services without the requirement for a server?



Which type of networking between hosts is used by large file-sharing networks and multimedia providers to provide high-performance services without the requirement for a server?

Peer-to-peer



Which two pieces of hardware are required in order to set up and use a wireless network?



Which two pieces of hardware are required in order to set up and use a wireless network?

1. Wireless access point
2. Wireless network adapter



What is an SSID, and what do the letters stand for?



# What is an SSID, and what do the letters stand for?

- A name that identifies a wireless network
- Service set identifier



Which physical network topology is expensive to install thanks to the amount of cable required?



Which physical network topology is expensive to install thanks to the amount of cable required?

Star



For what do the letters RTS/CTS stand?



For what do the letters RTS/CTS stand?

Ready to send, clear to send



# What do the letters MAC stand for in MAC address?



What do the letters MAC stand for in MAC address?

Media access control

