

# Unit 5: Networks – syllabus lists

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These are the "lists" from the syllabus. When a question asks "name three ways to secure a network", the marker will expect the ones here to be the ones you write about. Other answers will be credited when they are correct, but these are the safest ones to write about.

There is a bit less "list" work in this unit, and you need to do more than just learn these lists – you need to be able to write about each point and there is other content that you need to learn as well.

## 3 types of computer network:

- LAN
- WAN
- PAN

## Two types of connection:

- Wired
- Wireless

## 2 topologies:

- Bus
- Star

## 10 Protocols:

- HTTP
- HTTPS
- FTP
- SMTP
- IMAP
- TCP
- UDP
- IP
- Ethernet
- Wi-Fi

## 4 TCP/IP Stack layers:

- Application
- Transport
- Internet (network)
- Link

## 4 types of network security:

- Authentication
- Encryption
- Firewall
- MAC address filtering