Security Issues

- When moving electronic data from one place to another, there are different types of security concerns to consider:
    - **Data interception** can occur when an unauthorized user intercepts data being transferred.
    - Two common methods are:

        - **Packet sniffing**
        - **Man in the middle attack**

- Encryption can be broken if it is not strong
- Using HTTP instead of HTTPS protocols when dealing with sensitive information
- Depending on whether the data being sent is sensitive will depend on the level of security needed to ensure it stays safe
- All types of information will need to be transferred from one place to another at some point but typical examples may include:
    - User credentials when logging into online banking
    - Medical records being passed from a hospital to a GP
    - Student details from one school to another
    - Criminal records and details

- When dealing with personal or sensitive data it is essential that not only is it protected from hackers but also that it is protected from accidental disclosures such as:
    - Sending an email with sensitive information to the wrong person
    - Losing a device that has sensitive data stored
    - Shared access misconfigurations allow unauthorized users access to sensitive data