

Data Transmission Security Issues

True or False

Below are several statements about different data & user protection legislation. Identify which of these statements are true and which are false.

- | | True | False |
|---|--------------------------|--------------------------|
| 1. Mobile broadband networks are particularly vulnerable to packet sniffing. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Packet sniffers work by allowing a computer to look at data packets on a network, even when not addressed to them. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. IP spoofing is a particularly common method of performing denial of service attacks. | <input type="checkbox"/> | <input type="checkbox"/> |

Answer the Question

Packet sniffing is a big concern of users that are transmitting data using public WiFi connections. Why is this?

Answer the Question

Hardware and software firewalls both have important roles in protecting a network and its system. Identify two benefits of a software firewall over a hardware one.

1. _____
2. _____

Complete the Diagram

Encryption is commonly used in internet applications to help keep data secure during transmission. Specifically asymmetric (otherwise known as public key encryption) is used. Complete diagram below showing how data is encrypted using this form of encryption.

