

## Quiz - Firewalls

1. Firewalls contribute to the security of your network in which three (3) ways?

1 / 1 pt

☒ Prevent Denial of Service (DOS) attacks.

✓ Correct

Partially correct! Firewalls can filter out packets in SYN flooding attacks.

☐ Prevent an internal user from downloading data she is not authorized to access.

☒ Prevent unauthorized modifications to internal data from an outside actor.

✓ Correct

Partially correct! Firewalls can prevent external connections to internal data.

☒ Allow only authorized access to inside the network.

✓ Correct

Partially correct! Firewalls can allow only authenticated users to pass through.

2. Which packets are selected for inspection by a packet filtering firewall?

1 / 1 point

- ☐ The first packet in any transmission, whether entering or leaving.
- ☐ Every packet entering the network but no packets leaving the network.
- ☒ Every packet entering or leaving a network.
- ☐ The first packet of every transmission but only subsequent packets when "high risk" protocols are used.

✓ Correct

Correct! Every packet is inspected.

3. True or False: Application Gateways are an effective way to control which individuals can establish telnet connections through the gateway.

1 / 1 point

- ☐ False
- ☒ True

✓ Correct

Correct! Application gateways are good at managing access by protocol.

4. Why are XML gateways used?

1 / 1 point

- ☐ XML packet headers are different from that of other protocols and often "confuse" conventional firewalls.
- ☒ XML traffic passes through conventional firewalls without inspection.
- ☐ XML traffic cannot pass through a conventional firewall.
- ☐ Conventional firewalls attempt to execute XML code as instructions to the firewall.

✓ Correct

Correct! Conventional firewalls do not inspect XML packets for dangerous things like executable code.

5. Which three (3) things are True about Stateless firewalls?

1 / 1 point

- ☐ They maintain tables that allow them to compare current packets with previous packets.
- ☒ They are also known as packet-filtering firewalls.

✓ Correct

Partially correct! This is another name for a stateless firewall.

- ☒ They filter packets based upon Layer 3 and 4 information only (IP address and Port number)

✓ Correct

Partially correct! They filter on IP and port only.

- ☒ They are faster than Stateful firewalls.

✓ Correct

Partially correct. They have less work to do.