

## Assignment 04

Ques 1: What are the advantages of firewalls?

Ans 1: They can stop incoming requests to insecure services by monitoring traffic, e.g. you can disallow telnet, or RPC services as NFS.

- 2) They can stop backends and key loggers
- 3) They help block trojan horses.
- 4) They can control access to other services e.g.

- a) bar callers from certain IP address
- b) filter the service operations
- c) hide information.

- 5) They can be more secure than securing each host due to:

- a) The complexity of the software on the host.
- b) The number of hosts that need to be secured.

Ques 2: What are the functions of firewalls?

Ans 2: 1. Host Monitoring and controlling bandwidth  
2. Filtering of the internet.

3. SD-WAN and internet aggregation.

4. Using a sandbox.

5. Wireless controller built-in.

6. Packet inspection (Deep Packet Inspection)