

PV204 – FIREWALLS ASSIGNMENT [10 POINTS]

Write a set of rules for your Linux personal firewall. Assume that you have just one Ethernet interface named eth0 and the firewall will use just default table filter. The firewall should have the following functionality:

1. Default policy set to DROP.
2. Allowed access to loopback interface.
3. Allowed all ICMP messages necessary for fully working of ping and traceroute from laptop.
4. Allowed Web traffic (including DNS requests and https).
5. Opened ports for Samba, BitTorrent and FTP.
6. Allowed a SSH connection to laptop, but just from your university server IP (e.g., 147.251.48.155 or what you want).
7. Blocked incoming access from all reserved addresses (spoofing protection).

Note 1: The assignment requires a little bit of searching what exactly you need to allow and/or block.

Note 2: Put to the IS just the shell script with appropriate iptables commands (and comments).