Lab-3

1-iptables input chain

```
yossef@ubuntu-18:/$ sudo iptables -L -n
Chain INPUT (policy ACCEPT)
target     prot opt source               destination
ACCEPT     tcp  --  0.0.0.0/0            0.0.0.0/0            tcp dpt:21
ACCEPT     tcp  --  0.0.0.0/0            0.0.0.0/0            tcp dpt:22
ACCEPT     tcp  --  0.0.0.0/0            0.0.0.0/0            tcp dpt:20
ACCEPT     tcp  --  0.0.0.0/0            0.0.0.0/0            tcp dpt:21
ufw-before-logging-input  all  --  0.0.0.0/0            0.0.0.0/0
ufw-before-input  all  --  0.0.0.0/0            0.0.0.0/0
ufw-after-input  all  --  0.0.0.0/0            0.0.0.0/0
ufw-after-logging-input  all  --  0.0.0.0/0            0.0.0.0/0
ufw-reject-input  all  --  0.0.0.0/0            0.0.0.0/0
ufw-track-input  all  --  0.0.0.0/0            0.0.0.0/0
```

2-FTP service

```
Connected to localhost.
220 (vsFTPd 3.0.3)
Name (localhost:yossef): yossef
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ks
?Invalid command
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
drwxr-xr-x    3 1000     1000         4096 Feb 12 12:47 Desktop
drwxr-xr-x    2 1000     1000         4096 Feb 01 13:21 Documents
drwxr-xr-x    2 1000     1000         4096 Feb 08 15:27 Downloads
drwxr-xr-x    2 1000     1000         4096 Feb 01 13:21 Music
drwxr-xr-x    2 1000     1000         4096 Feb 01 13:21 Pictures
drwxr-xr-x    2 1000     1000         4096 Feb 01 13:21 Public
drwxr-xr-x    2 1000     1000         4096 Feb 01 13:21 Templates
drwxr-xr-x    2 1000     1000         4096 Feb 01 13:21 Videos
-rw-r--r--    1 1000     1000         8980 Feb 01 12:32 examples.desktop
-rw-rw-r--    1 1000     1000            0 Feb 22 15:15 list.log1.zip
226 Directory send OK.
ftp>
```

3- Firewall Status

```
[28]+  Stopped                 sudo nano /etc/exports
yossef@ubuntu-18:/$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip

To                         Action      From
--                         ------      ----
80/tcp (Apache)            ALLOW IN    Anywhere
21/tcp                     DENY IN     Anywhere
22/tcp                     DENY IN     Anywhere
20/tcp                     DENY IN     Anywhere
2049                       ALLOW IN    Anywhere
80/tcp (Apache (v6))       ALLOW IN    Anywhere (v6)
21/tcp (v6)                DENY IN     Anywhere (v6)
22/tcp (v6)                DENY IN     Anywhere (v6)
20/tcp (v6)                DENY IN     Anywhere (v6)
2049 (v6)                  ALLOW IN    Anywhere (v6)
```

4- Network File System

```
  GNU nano 2.9.3                              /etc/exports

# /etc/exports: the access control list for filesystems which may be exported
#               to NFS clients.  See exports(5).
#
# Example for NFSv2 and NFSv3:
# /srv/homes       hostname1(rw,sync,no_subtree_check) hostname2(ro,sync,no_subtree_check)
#
# Example for NFSv4:
# /srv/nfs4        gss/krb5i(rw,sync,fsid=0,crossmnt,no_subtree_check)
# /srv/nfs4/homes  gss/krb5i(rw,sync,no_subtree_check)
#
/tmp/nfs-shares *(rw)
```