

TASK 4

Firewall Configuration: UFW (Linux)

Commands Used

1. sudo ufw status
2. sudo ufw enable
3. sudo ufw status numbered
4. sudo ufw deny 23
5. telnet localhost 23
6. sudo ufw allow 22
7. sudo ufw delete 3

```
File Machine View Input Devices Help
root@Kali: /home/mrnobody
Session Actions Edit View Help

[ (root@Kali)-[/home/mrnobody]
  # ufw status
Status: inactive

[ (root@Kali)-[/home/mrnobody]
  # ufw enable
Firewall is active and enabled on system startup

[ (root@Kali)-[/home/mrnobody]
  # ufw status numbered
Status: active

[ (root@Kali)-[/home/mrnobody]
  # ufw deny 23
Rule added
Rule added (v6)

[ (root@Kali)-[/home/mrnobody]
  # telnet localhost 23
Trying ::1 ...
Connection failed: Connection refused
Trying 127.0.0.1 ...
telnet: Unable to connect to remote host: Connection refused

[ (root@Kali)-[/home/mrnobody]
  # nmap -p 23 localhost
Starting Nmap 7.95 ( https://nmap.org ) at 2025-11-19 09:39 EST
Nmap scan report for localhost (127.0.0.1)
Host is up (0.00013s latency).
Other addresses for localhost (not scanned): ::1

PORT      STATE SERVICE
23/tcp    closed telnet

Nmap done: 1 IP address (1 host up) scanned in 0.18 seconds

[ (root@Kali)-[/home/mrnobody]
  # ufw allow 22
Rule added
Rule added (v6)

[ (root@Kali)-[/home/mrnobody]
  # ufw delete 3
Deleting:
deny 23
Proceed with operation (y|n)? y
Rule deleted (v6)

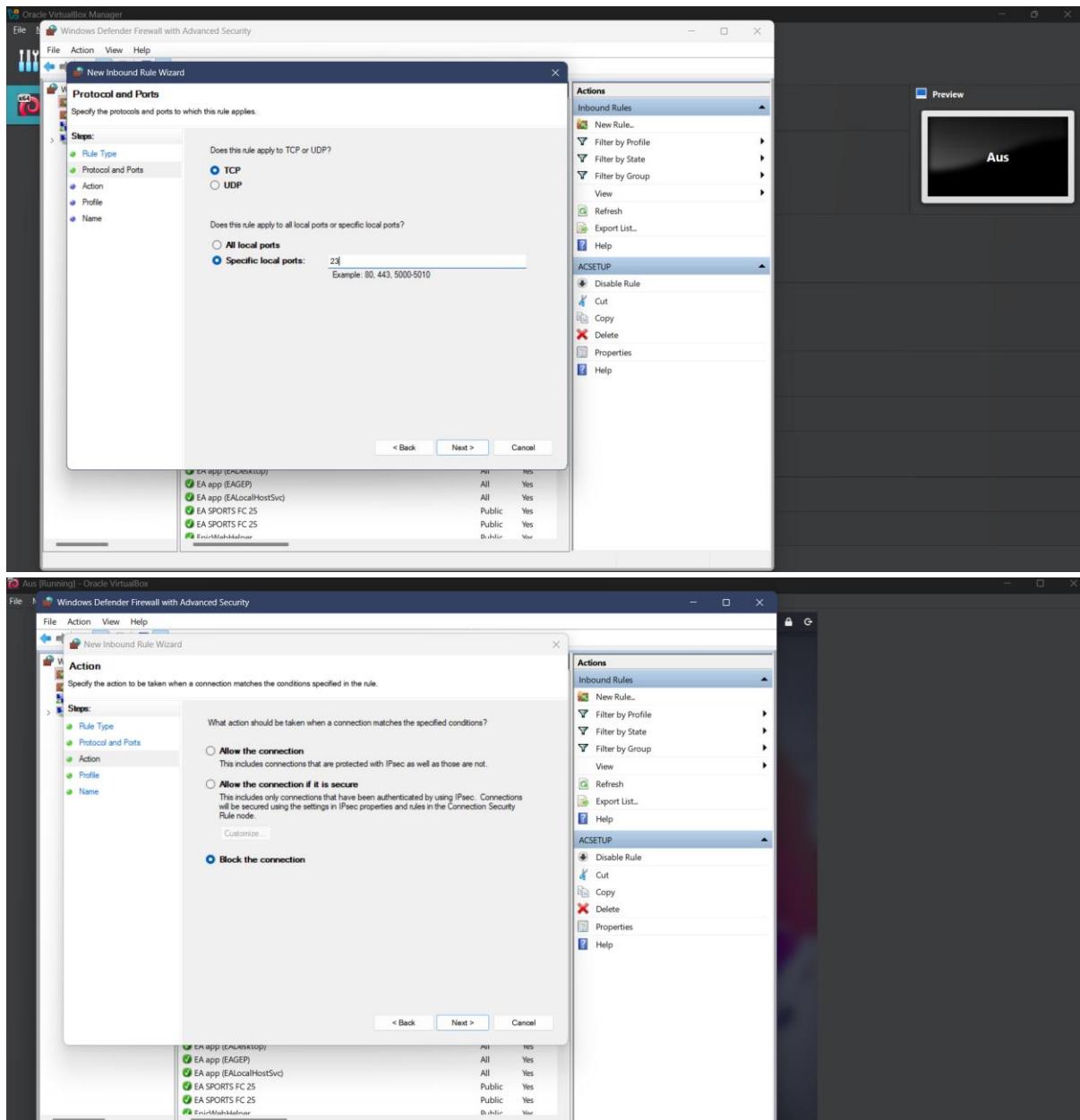
[ (root@Kali)-[/home/mrnobody]
  # ufw delete 4
ERROR: Could not find rule '4'

[ (root@Kali)-[/home/mrnobody]
  # ufw delete 3
Deleting:
allow 22
Proceed with operation (y|n)? y
Rule deleted (v6)

[ (root@Kali)-[/home/mrnobody]
  # ufw status numbered
Status: active

      To          Action      From
[ 1] 23        DENY IN    Anywhere
[ 2] 22        ALLOW IN   Anywhere
```

Windows Firewall Configuration



Aus [Running] - Oracle VirtualBox

File Action View Help

New Inbound Rule Wizard

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Profile**
- Name

When does this rule apply?

Domain
Applies when a computer is connected to its corporate domain.

Private
Applies when a computer is connected to a private network location, such as a home or work place.

Public
Applies when a computer is connected to a public network location.

< Back Next > Cancel

Action	All	Yes
EA app (EADesktop)	All	Yes
EA app (EAGEP)	All	Yes
EA app (EALocalHostSvc)	All	Yes
EA SPORTS FC 25	Public	Yes
EA SPORTS FC 25	Public	Yes
Env-MatchMeInar	Domain	Yes

ACTIONS

- Inbound Rules
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

ACSETUP

- Disable Rule
- Cut
- Copy
- Delete
- Properties
- Help

Aus [Running] - Oracle VirtualBox

File Action View Help

Administrator: Windows PowerShell

Windows PowerShell

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\WINDOWS\system32> dism /online /Enable-Feature /FeatureName:TelnetClient

>>

Deployment Image Servicing and Management tool

Version: 10.0.20100.5074

Image Version: 10.0.26200.7171

Enabling feature(s)

[=====100.0%=====]

The operation completed successfully.

PS C:\WINDOWS\system32> telnet localhost 23

>>

Connecting To localhost...Could not open connection to the host, on port 23: Connect failed

PS C:\WINDOWS\system32>

Action	All	Yes
Disk Drill	Public	Yes
Docker Desktop Backend	Public	Yes
Docker Desktop Backend	Public	Yes
EA app (EABackgroundService)	All	Yes
EA app (EAConnect_microsoft)	All	Yes
EA app (ADEkstop)	All	Yes
EA app (EAGEP)	All	Yes
EA app (EALocalHostSvc)	All	Yes
EA SPORTS FC 25	Public	Yes
EA SPORTS FC 25	Domain	Yes