

## Linux installation of ufw

```
(kali㉿kali)-[~]
└─$ sudo apt install ufw
Installing:
  ufw

Suggested packages:
  rsyslog

Summary:
  Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 1953
  Download size: 169 kB
  Space needed: 880 kB / 7,223 MB available

Get:1 http://mirror.ourhost.az/kali kali-rolling/main amd64 ufw all 0.36.2-9 [169 kB]
Fetched 169 kB in 2s (73.7 kB/s)
Preconfiguring packages ...
Selecting previously unselected package ufw.
(Reading database ... 438393 files and directories currently installed.)
Preparing to unpack .../archives/ufw_0.36.2-9_all.deb ...
Unpacking ufw (0.36.2-9) ...
Setting up ufw (0.36.2-9) ...

Creating config file /etc/ufw/before.rules with new version
```

## Enabling ufw and denying telnet\

```
kali@kali: ~
└─(kali㉿kali)-[~]
  └─$ sudo ufw enable
  sudo ufw status
  Firewall is active and enabled on system startup
  Status: active

  └─(kali㉿kali)-[~]
    └─$ sudo ufw status numbered
    Status: active

  └─(kali㉿kali)-[~]
    └─$ sudo ufw deny 23
    Rule added
    Rule added (v6)

  └─(kali㉿kali)-[~]
    └─$ ifconfig
  eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 192.168.91.145 netmask 255.255.255.0 broadcast 192.168.91.255
        inet6 fe80::20c:29ff:fe17:b40 prefixlen 64 scopeid 0x20<link>
        ether 00:0c:29:17:0b:40 txqueuelen 1000 (Ethernet)
        RX packets 51824 bytes 77503245 (73.9 MiB)
        RX errors 0 dropped 0 overruns 0 frame 0
```

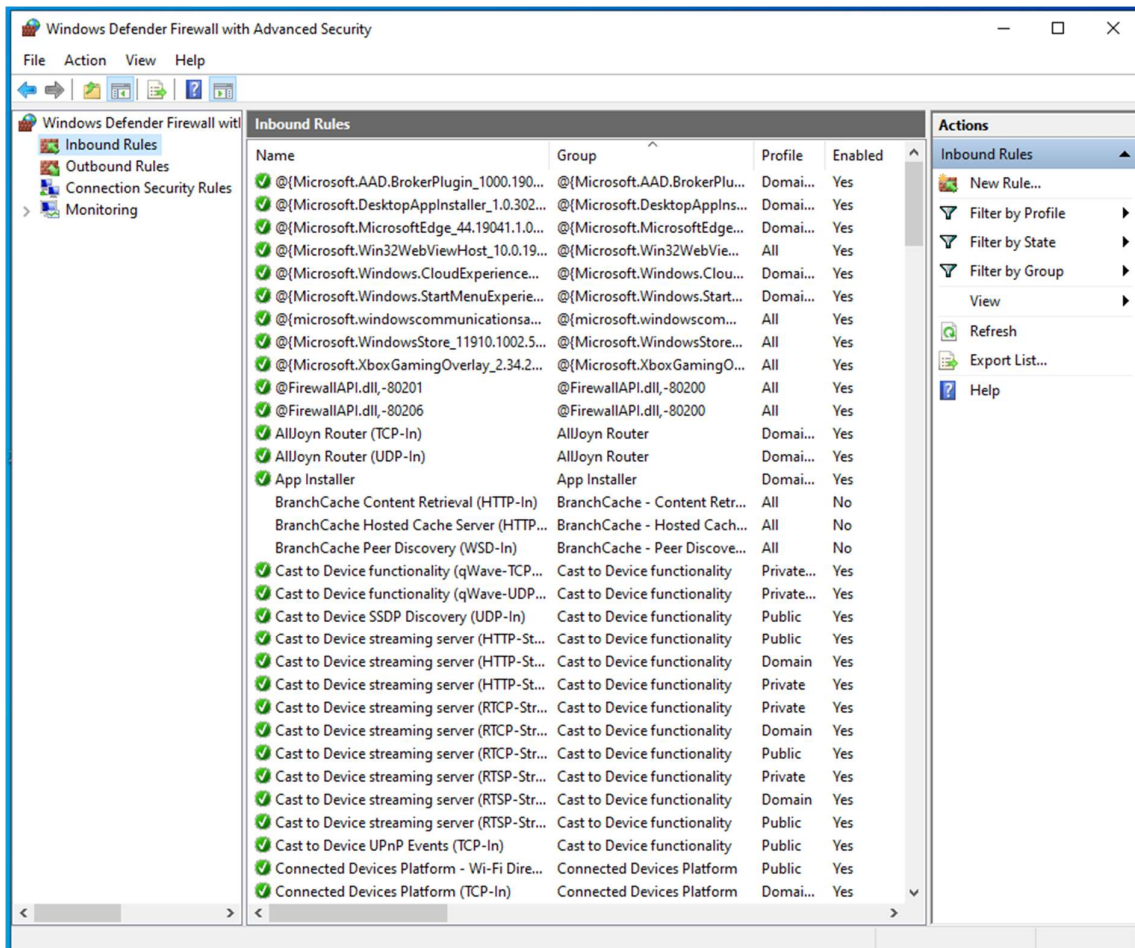
```
(kali@kali)-[~]
$ telnet 192.168.91.145 23
Trying 192.168.91.145...
telnet: Unable to connect to remote host: Connection refused

(kali@kali)-[~]
$ sudo ufw allow 22
Rule added
Rule added (v6)

(kali@kali)-[~]
$ sudo ufw delete deny 23
Rule deleted
Rule deleted (v6)
```

Windows firewall defender

Inbound rules



Outbound rules

Windows Defender Firewall with Advanced Security

FileActionViewHelp

Windows Defender Firewall with Advanced Security

Inbound Rules

Outbound Rules

Connection Security Rules

Monitoring

Outbound Rules

| Name                                            | Group                          | Profile  | Enabled |
|-------------------------------------------------|--------------------------------|----------|---------|
| ✓ @({Microsoft.AAD.BrokerPlugin_1000.1904.1.0}) | @({Microsoft.AAD.BrokerPlu...  | All      | Yes     |
| ✓ @({Microsoft.AccountsControl_10.0.1904.1.0})  | @({Microsoft.AccountsContr...  | All      | Yes     |
| ✓ @({Microsoft.DesktopAppInstaller_1.0.302.0})  | @({Microsoft.DesktopApplns...  | All      | Yes     |
| ✓ @({Microsoft.GetHelp_10.1706.13331.0_x64...}) | @({Microsoft.GetHelp_10.17...  | All      | Yes     |
| ✓ @({Microsoft.Getstarted_8.2.22942.0_x64...})  | @({Microsoft.Getstarted_8.2... | All      | Yes     |
| ✓ @({Microsoft.LockApp_10.0.19041.1_neutr...})  | @({Microsoft.LockApp_10.0...   | All      | Yes     |
| ✓ @({Microsoft.MicrosoftEdge_44.19041.1.0...})  | @({Microsoft.MicrosoftEdge...  | All      | Yes     |
| ✓ @({Microsoft.MixedReality.Portal_2000.19...   | @({Microsoft.MixedReality.P... | All      | Yes     |
| ✓ @({Microsoft.StorePurchaseApp_11811.10...})   | @({Microsoft.StorePurchase...  | All      | Yes     |
| ✓ @({Microsoft.Win32WebViewHost_10.0.19...      | @({Microsoft.Win32WebVie...    | All      | Yes     |
| ✓ @({Microsoft.Windows.Apprep.ChxApp_1...})     | @({Microsoft.Windows.Appr...   | All      | Yes     |
| ✓ @({Microsoft.Windows.CloudExperience...})     | @({Microsoft.Windows.Clou...   | All      | Yes     |
| ✓ @({Microsoft.Windows.ContentDeliveryM...})    | @({Microsoft.Windows.Cont...   | All      | Yes     |
| ✓ @({Microsoft.Windows.NarratorQuickStar...})   | @({Microsoft.Windows.Narr...   | All      | Yes     |
| ✓ @({Microsoft.Windows.OOBENetworkCa...})       | @({Microsoft.Windows.OOB...    | All      | Yes     |
| ✓ @({Microsoft.Windows.ParentalControls_...})   | @({Microsoft.Windows.Pare...   | All      | Yes     |
| ✓ @({Microsoft.Windows.PeopleExperience...})    | @({Microsoft.Windows.Peop...   | All      | Yes     |
| ✓ @({Microsoft.Windows.SecHealthUI_10.0...})    | @({Microsoft.Windows.SecH...   | All      | Yes     |
| ✓ @({Microsoft.Windows.SecureAssessmen...})     | @({Microsoft.Windows.Secu...   | All      | Yes     |
| ✓ @({Microsoft.Windows.ShellExperienceH...})    | @({Microsoft.Windows.Shell...  | All      | Yes     |
| ✓ @({Microsoft.Windows.StartMenuExperie...})    | @({Microsoft.Windows.Start...  | All      | Yes     |
| ✓ @({Microsoft.WindowsCalculator_10.1906...})   | @({Microsoft.WindowsCalcu...   | All      | Yes     |
| ✓ @({microsoft.windowscommunicationsa...})      | @({microsoft.windowscom...     | All      | Yes     |
| ✓ @({Microsoft.WindowsMaps_5.1906.1972...})     | @({Microsoft.WindowsMaps...    | All      | Yes     |
| ✓ @({Microsoft.WindowsStore_11910.1002.5...})   | @({Microsoft.WindowsStore...   | All      | Yes     |
| ✓ @({Microsoft.XboxGameCallableUI_1000...})     | @({Microsoft.XboxGameCall...   | All      | Yes     |
| ✓ @({Microsoft.XboxGamingOverlay_2.34.2...})    | @({Microsoft.XboxGamingO...    | All      | Yes     |
| ✓ @FirewallAPI.dll,-80204                       | @FirewallAPI.dll,-80200        | All      | Yes     |
| ✓ 3D Viewer                                     | 3D Viewer                      | All      | Yes     |
| ✓ AllJoyn Router                                | AllJoyn Router                 | Domai... | Yes     |
| ✓ AllJoyn Router (TCP-Out)                      | AllJoyn Router                 | Domai... | Yes     |
| ✓ AllJoyn Router (UDP-Out)                      | AllJoyn Router                 | Domai... | Yes     |

Actions

Outbound Rules

New Rule...

Filter by Profile

Filter by State

Filter by Group

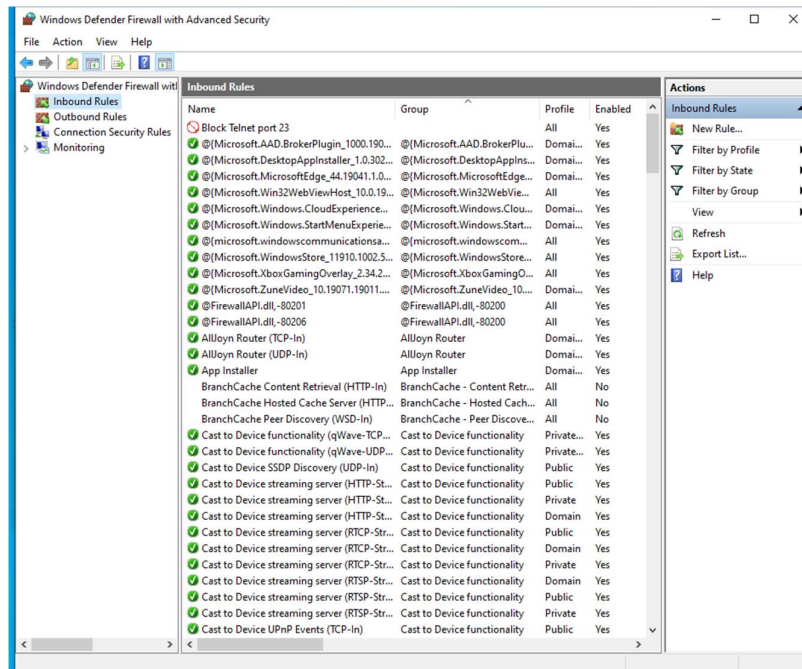
View

Refresh

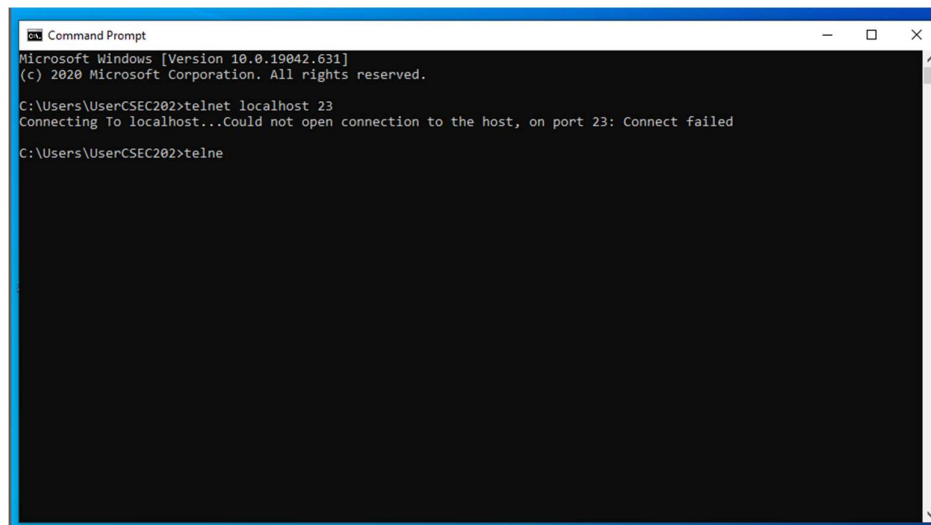
Export List...

Help

## Adding the rule to block port 23 for telnet



## Checking if the rule is working



Deleting the rule

