

# Task 4: Firewall Configuration on Windows

**Objective:** Configure and test firewall rules on Windows using Windows Defender Firewall with Advanced Security.

## Steps Performed:

- Opened Windows Firewall by pressing Win + R, typing wf.msc, and pressing Enter.
- Viewed current rules under Inbound Rules.
- Created a new inbound rule to block TCP port 23 (Telnet) and selected 'Block the connection'.
- Tested the rule by running 'telnet localhost 23'. The output showed 'Could not open connection to the host', confirming the port was blocked.
- Deleted the 'Block Telnet' rule to restore the original state.

## Test Result:

Command used:

```
C:\Windows\System32> telnet localhost 23
```

Output:

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

This confirmed that the firewall successfully blocked Telnet traffic on port 23.

## Summary:

The firewall was configured to block Telnet (port 23). Testing with the Telnet command confirmed that the connection failed, proving the firewall rule worked correctly. The rule was then removed to restore the system to its original state.