PowerShell Command to list all the firewall rules. This command lists all the rules of the Windows Firewall. It outputs a very long list with description.

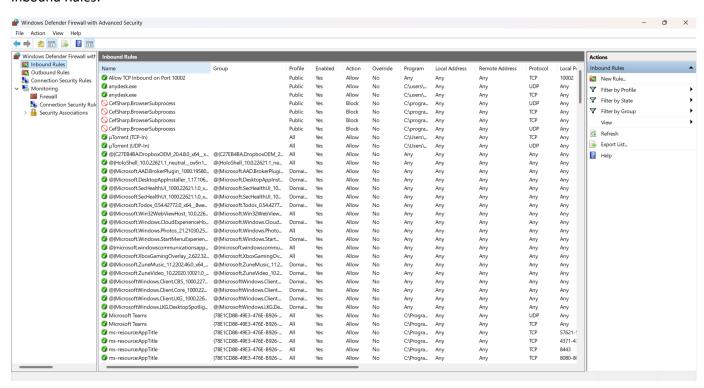


PowerShell Command for piping the output of the above command into a file named: Firewall_Rules_through_PowerShell.txt

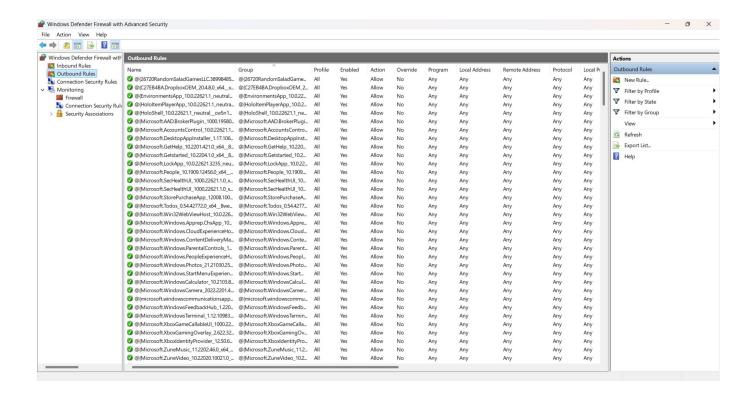
This command was executed, so that such a long list of rules can be compiled into one text file for easy and future reference.

PS C:\WINDOWS\system32> Get-NetFirewallRule > Firewall_Rules_through_PowerShell.txt
PS C:\WINDOWS\system32> ls

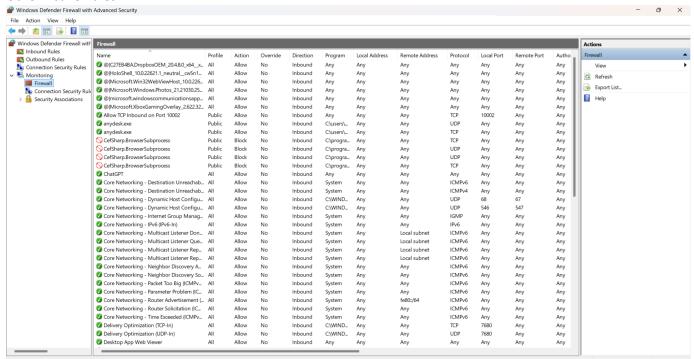
Inbound Rules:



Outbound Rules:



Other Active Rules:

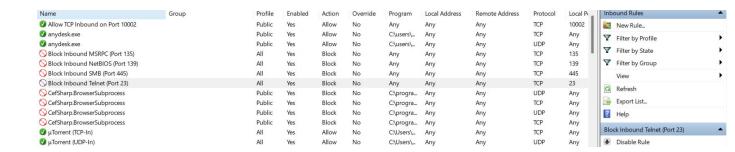


6.

Blocked inbound traffic for Telnet over Port 23 and the following additional Ports that were found in my Nmap scan of the previous task, due to security reasons. These are all the following inbound rules created by me:

- Rule Name: Block Inbound Telnet (Port 23)
 Description: This rule blocks incoming Telnet connections over port 23, preventing unauthorized remote access and mitigating security risks associated with Telnet.

 Recommended for systems where inbound Telnet communication is not required.
- Rule Name: Block Inbound MSRPC (Port 135)
 Description: Prevents external devices from initiating connections using Microsoft RPC services, reducing exposure to remote execution attacks.
- 3. **Rule Name:** Block Inbound NetBIOS (Port 139) **Description:** Stops unauthorized NetBIOS file-sharing requests, minimizing security risks associated with legacy network communication.
- Rule Name: Block Inbound SMB (Port 445)
 Description: Disables external SMB traffic to prevent malicious exploitation, ransomware propagation, and unauthorized file access.



7.

I also blocked all outbound connections on port 80 (HTTP) for Security Enhancement which prevents malware or compromised applications from sending data to malicious websites over HTTP, and also prevents unencrypted web traffic from leaving the system, limiting potential data leaks and unauthorized access.

