

Configuring Custom Firewall Rules with pfSense (3e)

Network Security, Firewalls, and VPNs, Third Edition - Lab 07

Student:

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Time on Task:

4 hours, 36 minutes

Progress:

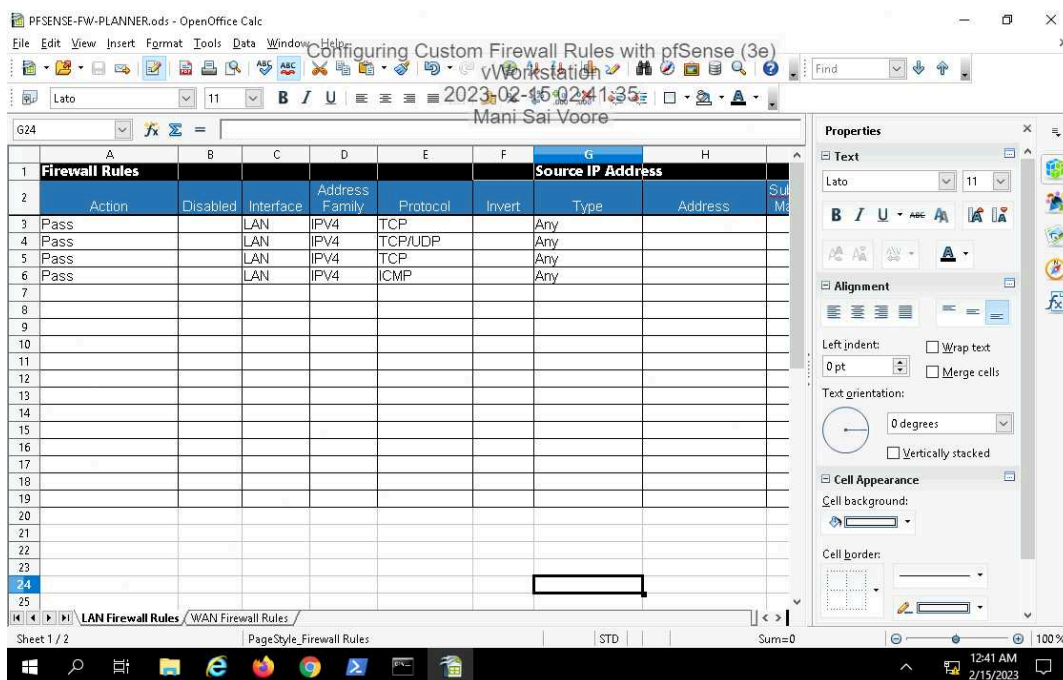
100%

Report Generated: Wednesday, February 15, 2023 at 5:44 AM

Section 1: Hands-On Demonstration

Part 1: Plan the LAN Firewall Rules

14. **Make a screen capture** showing the **completed LAN Firewall Rules tab** in the PFSense-FW-PLANNER worksheet.

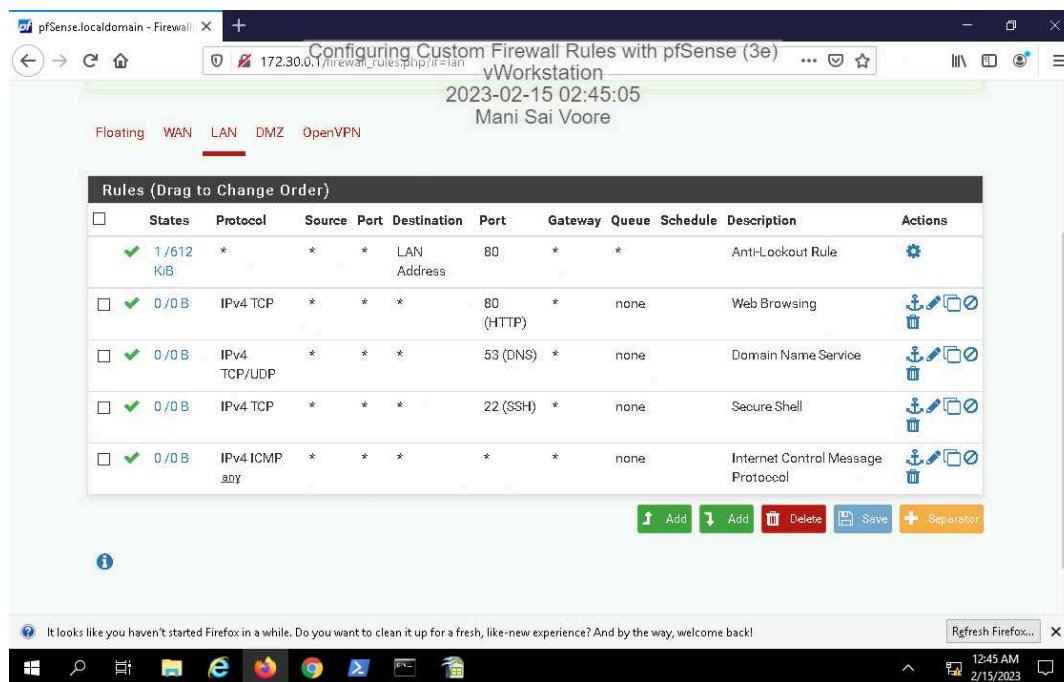


Part 2: Configure the LAN Firewall Rules

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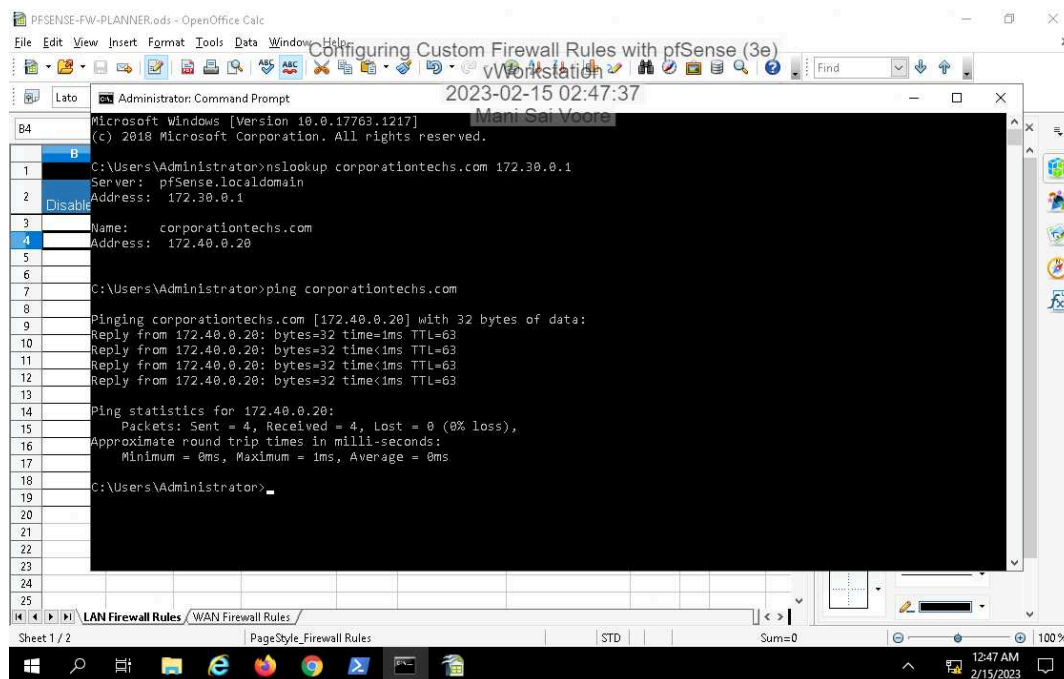
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23. Make a screen capture showing your completed LAN Rules table.



Part 3: Verify Firewall Rules for the LAN

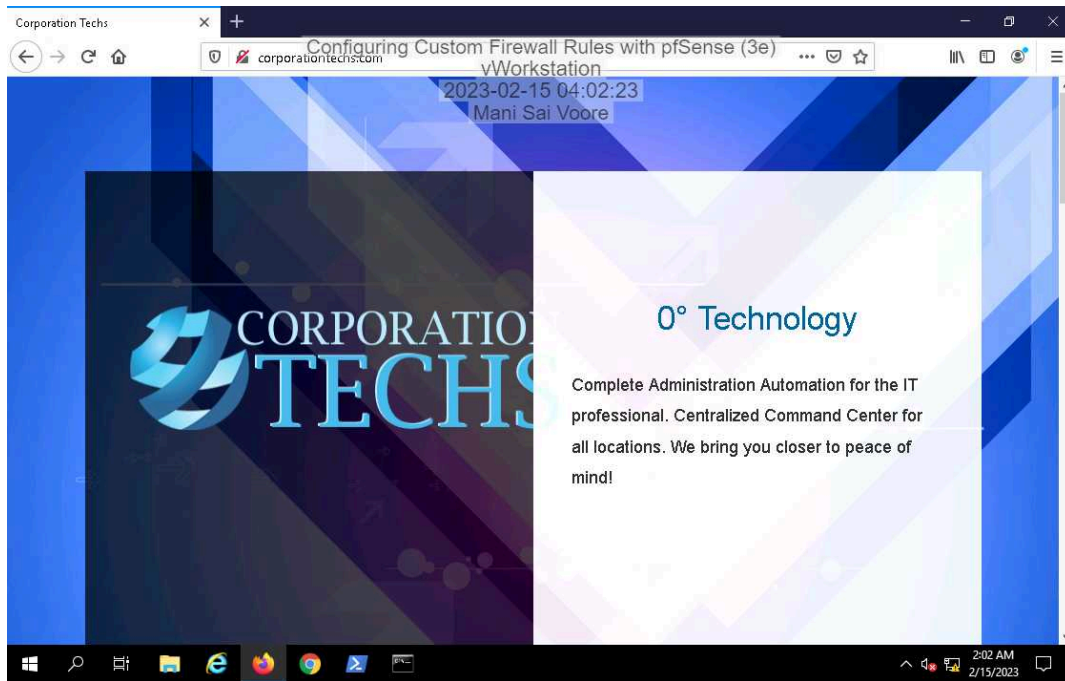
4. Make a screen capture showing the successful ping and nslookup.



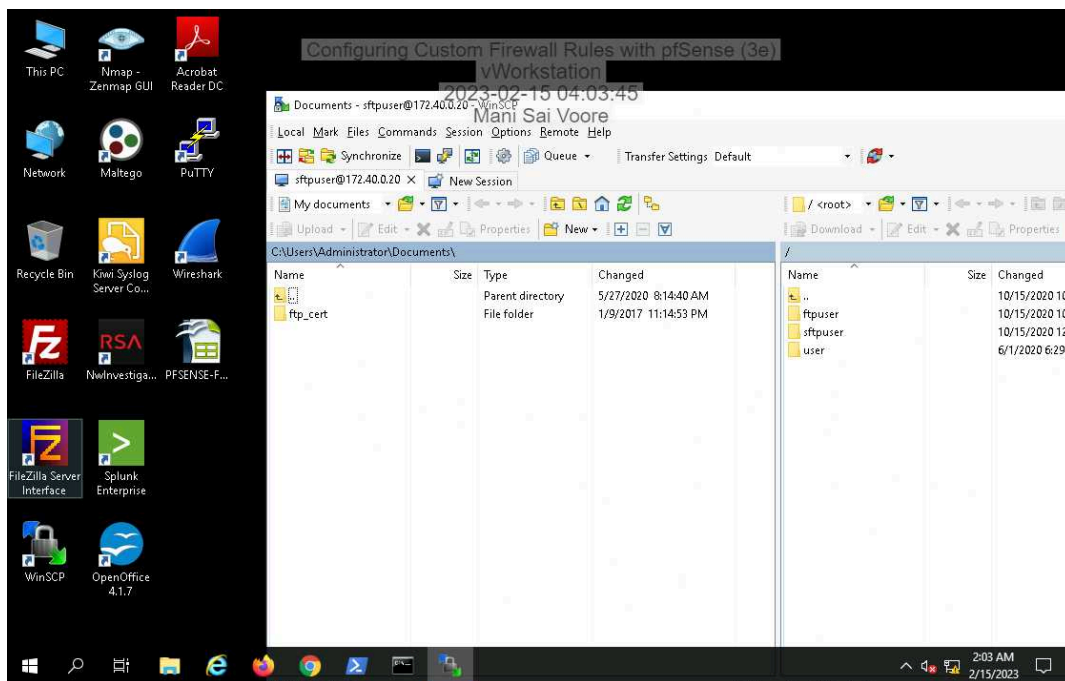
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8. Make a screen capture showing the **corporationtechs.com** homepage in the Firefox browser.



14. Make a screen capture showing the **successful SSH connection in WinSCP**.



Section 2: Applied Learning

Part 1: Plan the Firewall Rules for the WAN

12. **Make a screen capture** showing the **completed WAN Firewall Rules** in the PFSense-FW-PLANNER spreadsheet.

The screenshot shows the PFSense-FW-PLANNER spreadsheet in OpenOffice Calc. The spreadsheet is titled "Configuring Custom Firewall Rules with pfSense (3e)" and is managed by "Mani Sai Voore". The active sheet is "WAN Firewall Rules". The table contains the following data:

1	Firewall Rules					Source IP Address			
2	Action	Disabled	Interface	Address Family	Protocol	Invert	Type	Address	Subnet Mask
3	Pass		WAN	IPv4	TCP		Any		
4	Pass		WAN	IPv4	TCP		Any		
5	Pass		WAN	IPv4	UDP		Any		
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The Properties panel on the right shows the following settings:

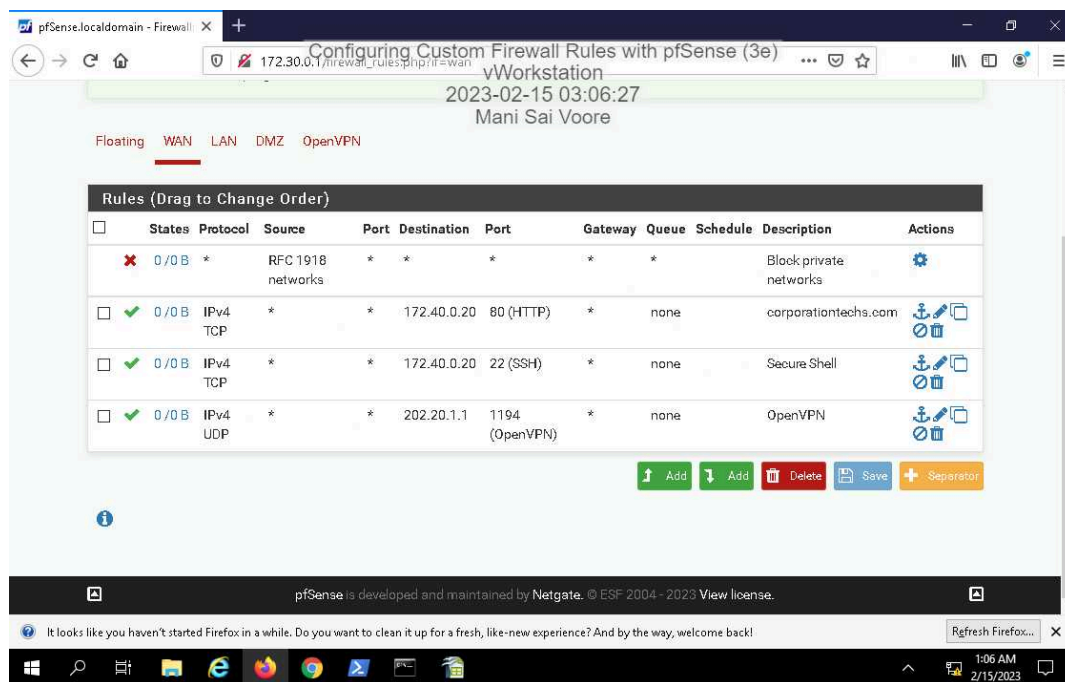
- Text: Lato, 11
- Alignment: Left indent: 0 pt, Text orientation: 0 degrees
- Cell Appearance: Cell background: (empty), Cell border: (empty)

Part 2: Configure the WAN Firewall Rules

Configuring Custom Firewall Rules with pfSense (3e)

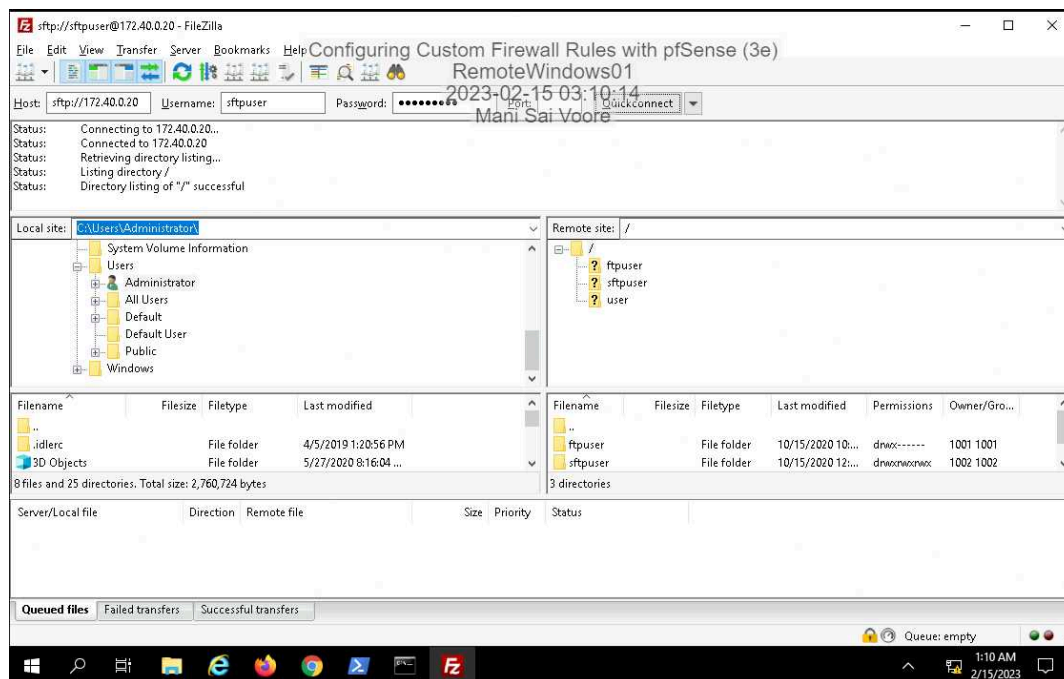
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14. Make a screen capture showing your completed WAN Rules table.



Part 3: Verify Firewall Rules for the WAN

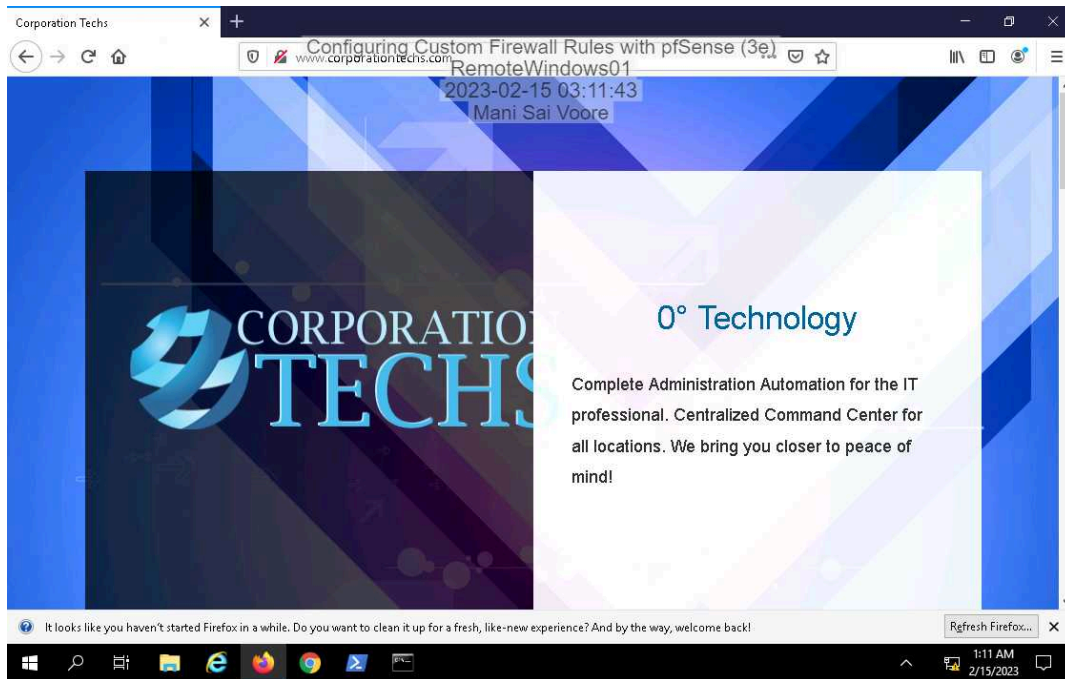
5. Make a screen capture showing the three user folders in the remote directory.



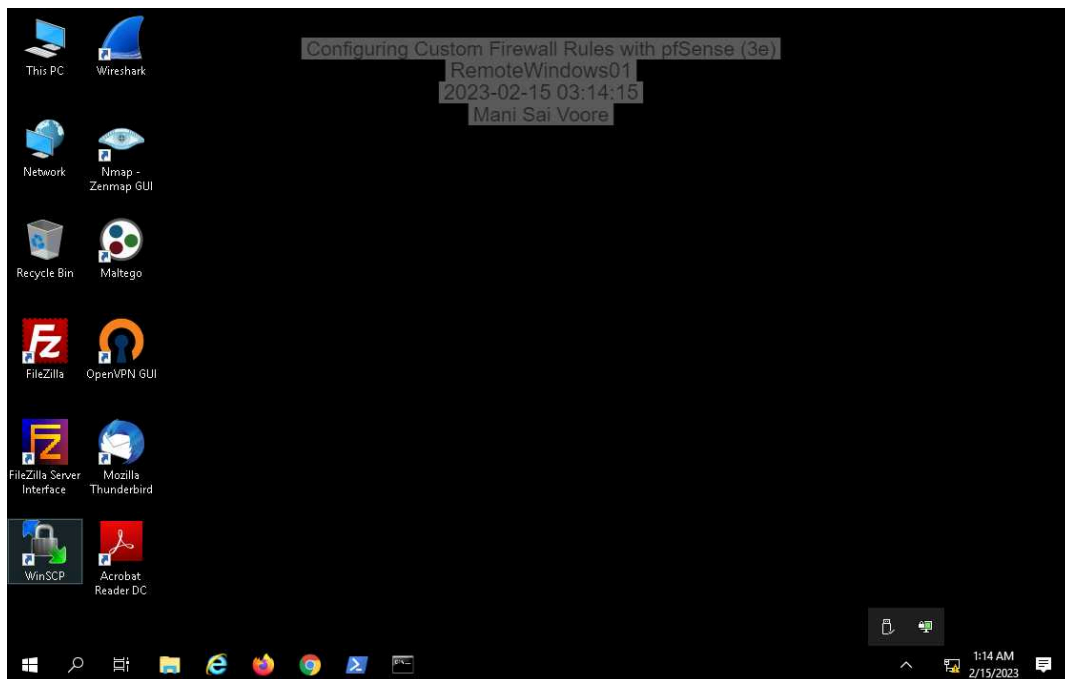
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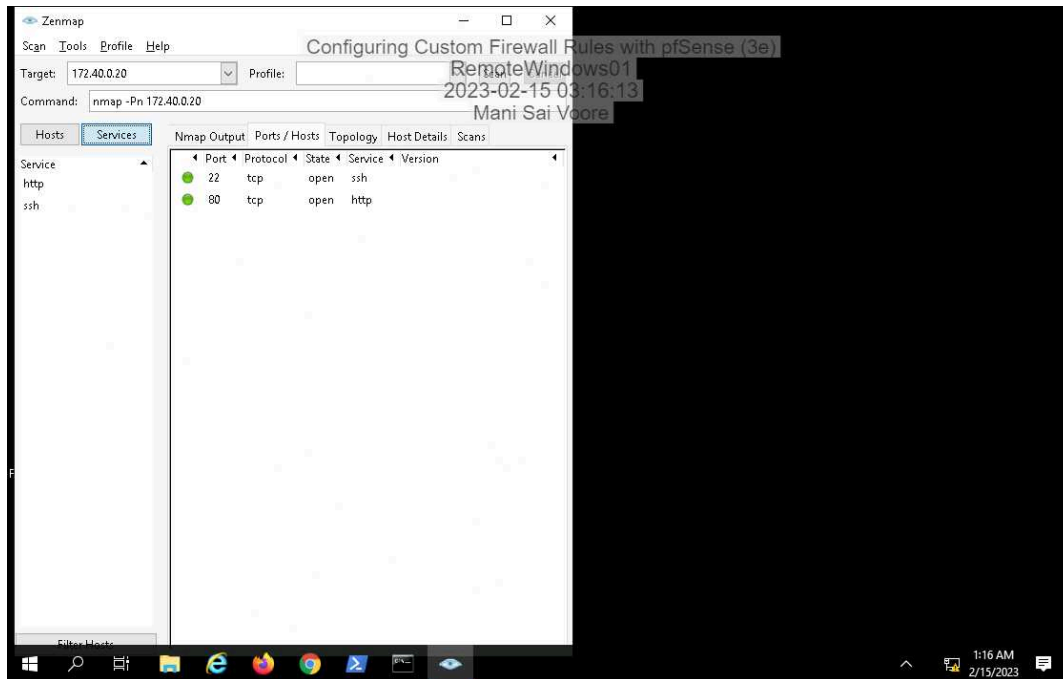
9. Make a screen capture showing the **corporationtechs.com** website.



14. Make a screen capture showing the green OpenVPN icon in the system tray.



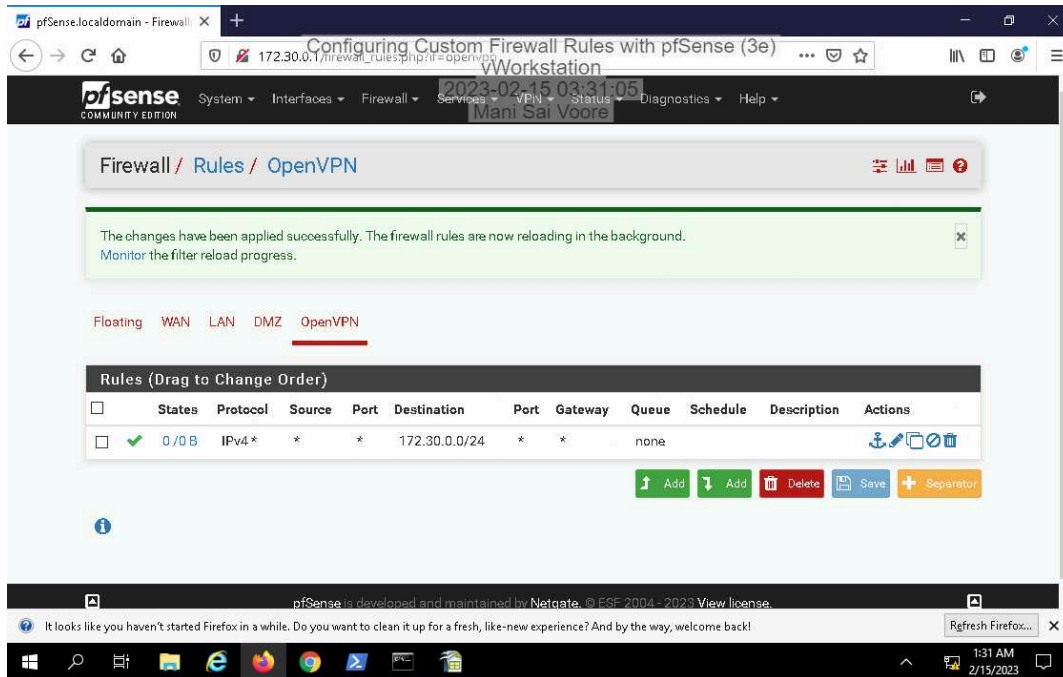
18. **Make a screen capture** showing the **ports and services discovered on the TargetLinux01 host**.



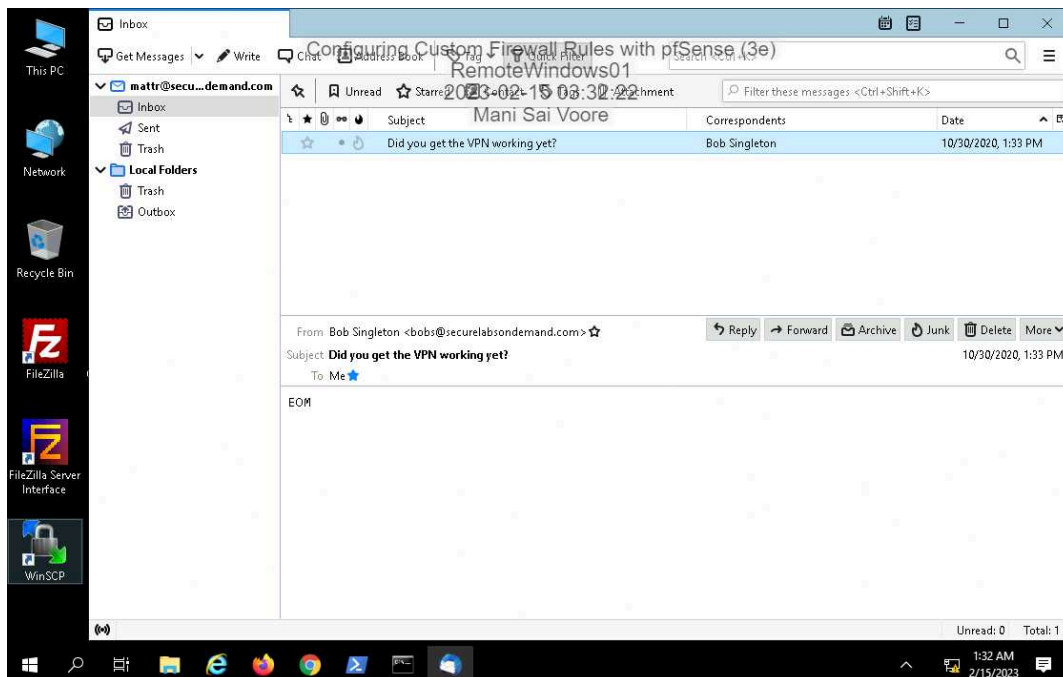
Section 3: Challenge and Analysis

Part 1: Permit LAN Access from the VPN

Make a screen capture showing the OpenVPN rules list in the pfSense WebGUI.



Make a screen capture showing the email in Matt Ramone's inbox.

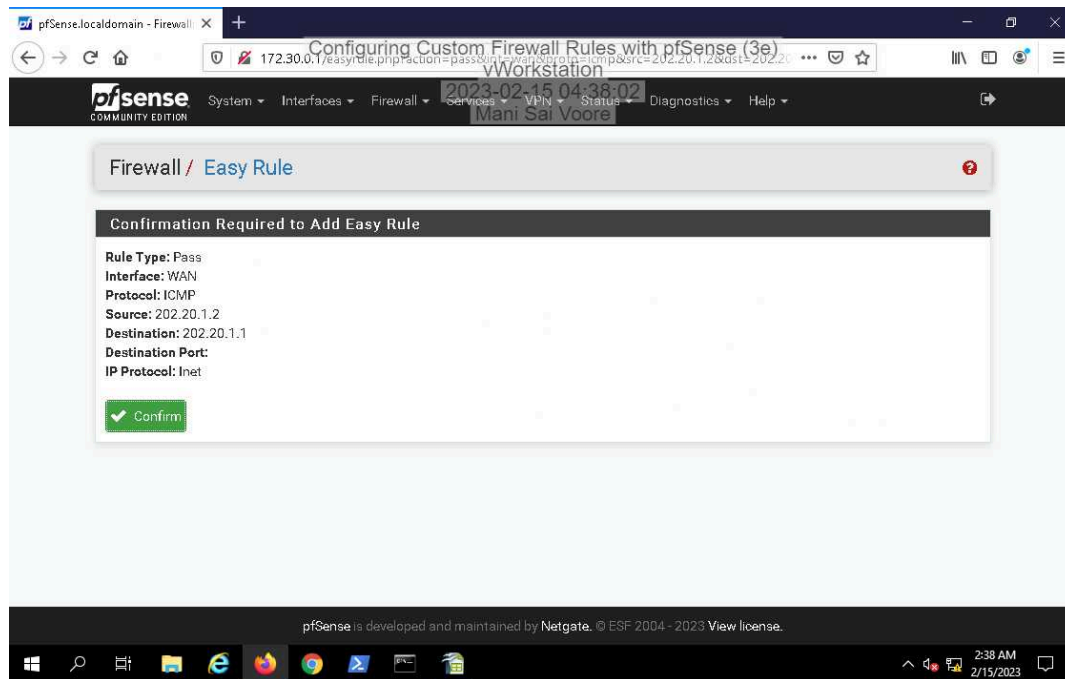


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Part 2: Add an ICMP Rule using EasyPass

Make a screen capture showing the attempted ICMP request in the firewall log.



Make a screen capture showing your EasyRule for ICMP in the Firewall Rule's WAN table.

