

Configuring Custom Firewall Rules with pfSense (3e)

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

Student:

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Time on Task:

2 hours, 50 minutes

Progress:

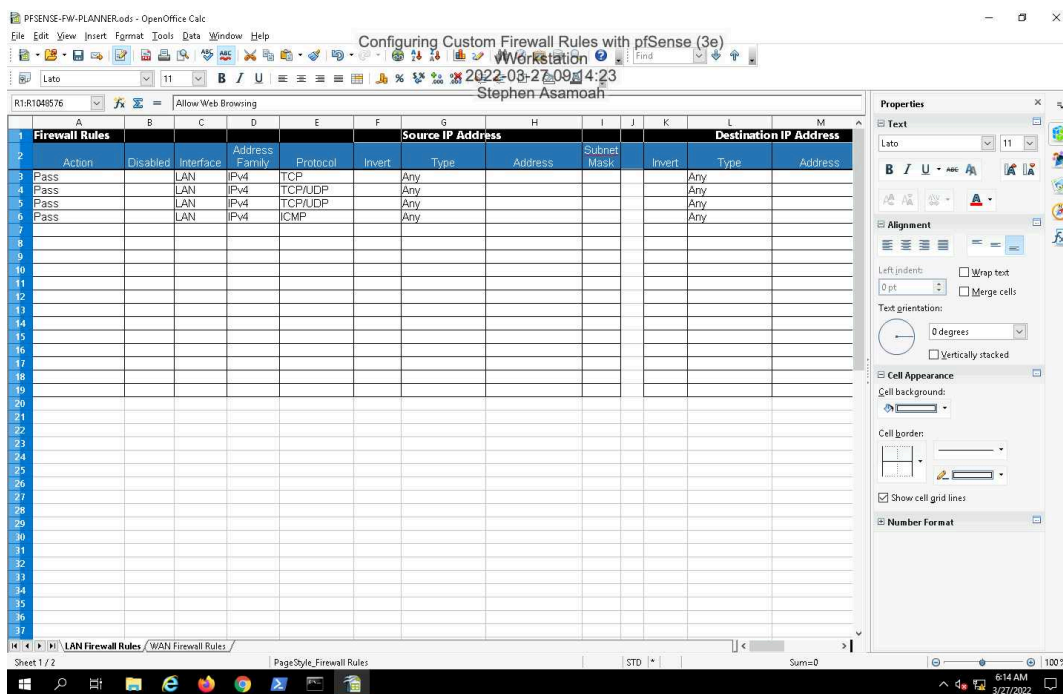
100%

Report Generated: Sunday, March 27, 2022 at 11:32 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.

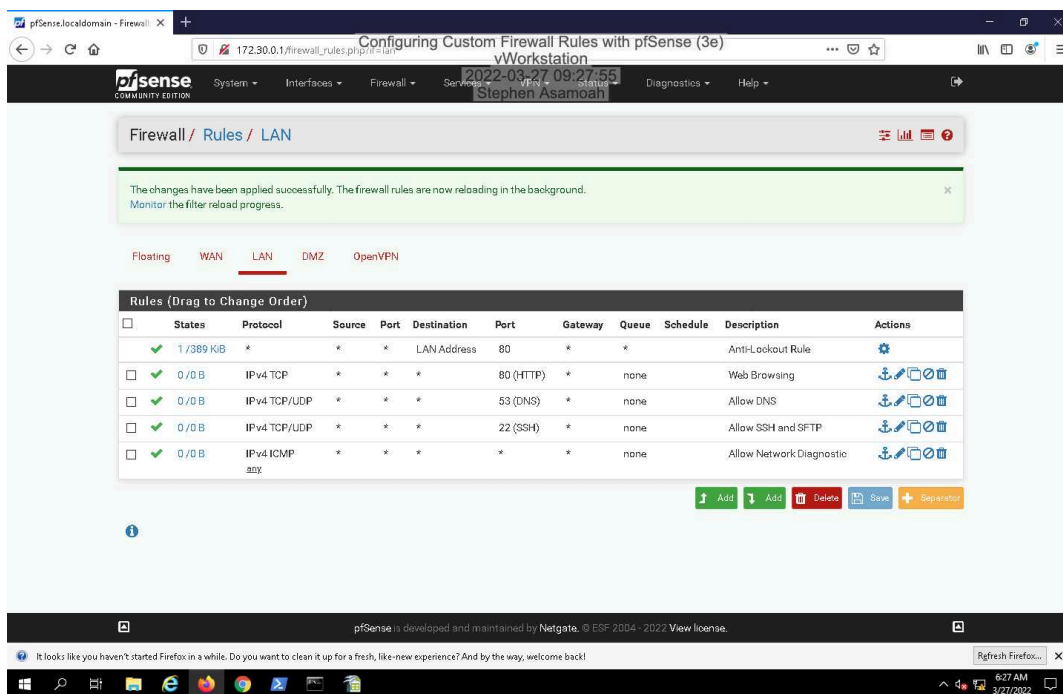


Part 2: Configure the LAN Firewall Rules

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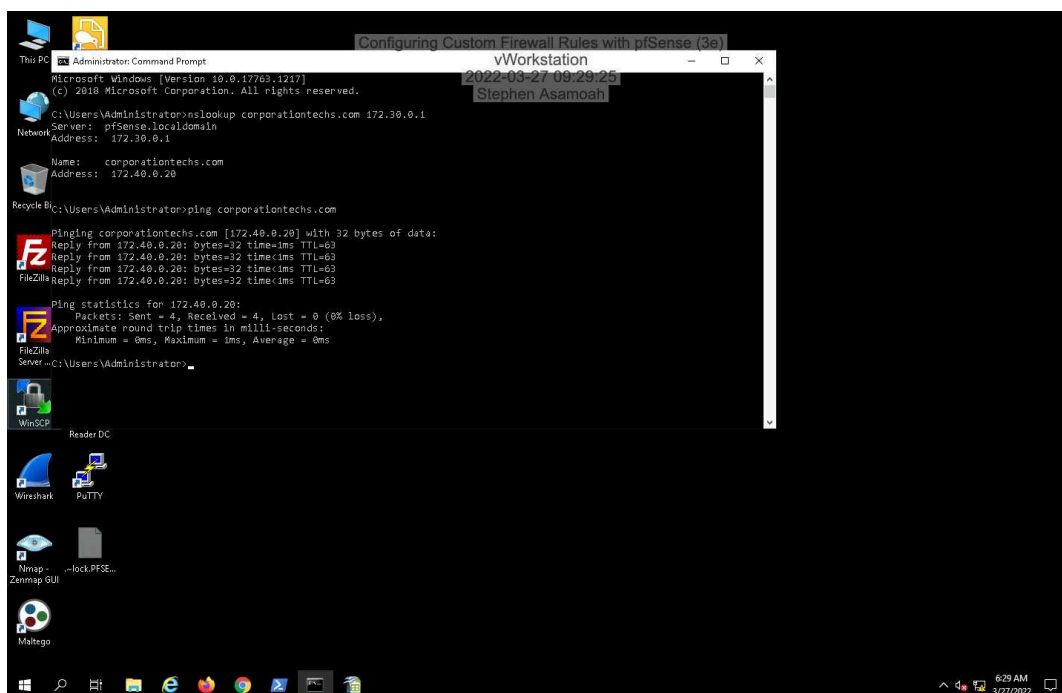
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23. Make a screen capture showing your completed LAN Rules table.



Part 3: Verify Firewall Rules for the LAN

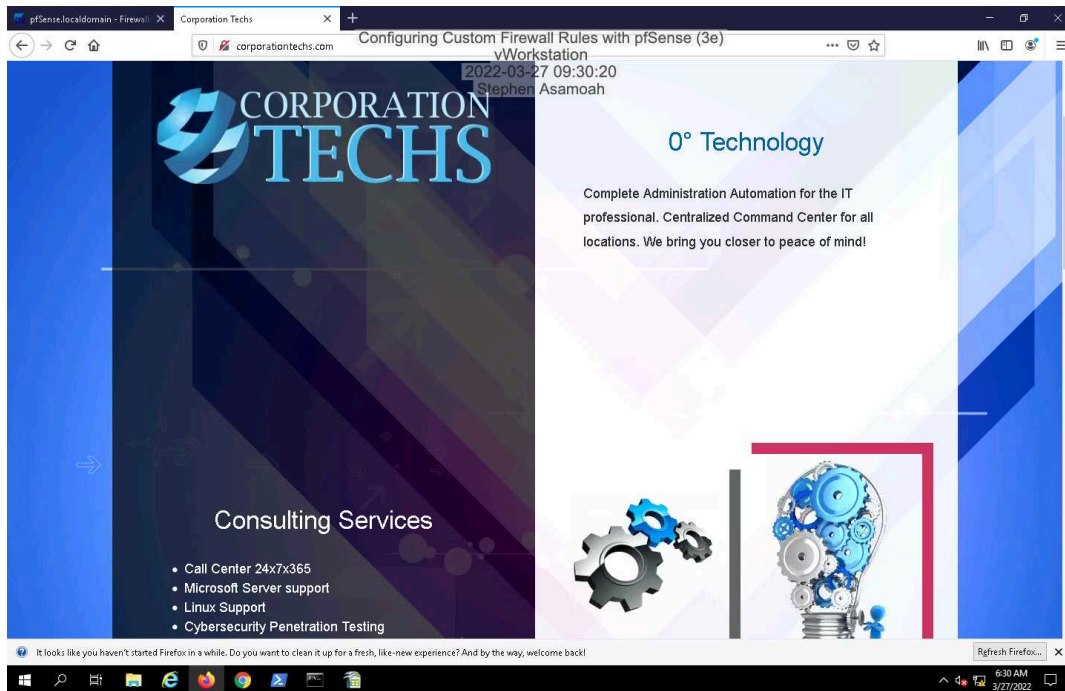
4. Make a screen capture showing the successful ping and nslookup.



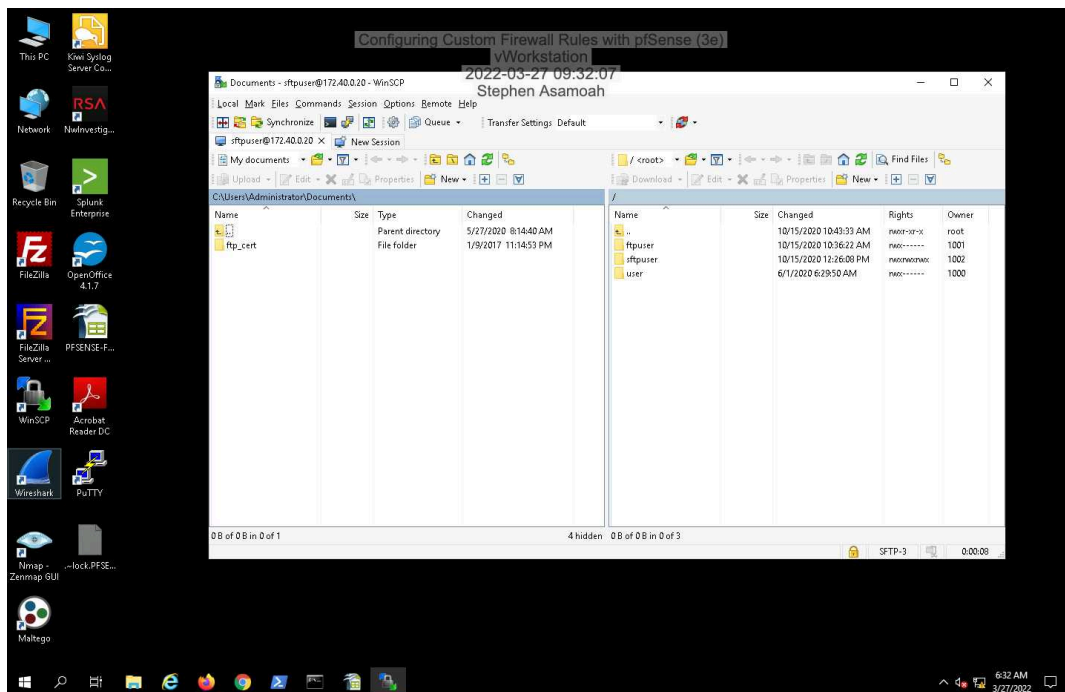
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8. Make a screen capture showing the **corporationtechs.com** homepage in the Firefox browser.



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.

PFSENSE-FW-PLANNER.ods - OpenOffice Calc

FileEditViewInsertFormatToolsDataWindowHelp

2022-03-27 08:42:49

Workstation

Find

Lato11B/U

Configuring Custom Firewall Rules with pfSense (3e)

Stephen Asamoah

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Source IP Address

Destination IP Address

Port Range

Extra Options

InvertTypeAddressSubnet Mask

InvertTypeAddressSubnet MaskFromToLogDescription

AnyAny

Single HostSingle HostSingle Host

172.40.0.20172.40.0.20202.20.1.1

HTTP (80)221194

HTTP (80)221194

Web ServerAllow external users AccessAllow VPN Access

WAN Firewall Rules

Sheet 2 / 2

Page Style: Firewall Rules

INSRTSTD

Sum=0

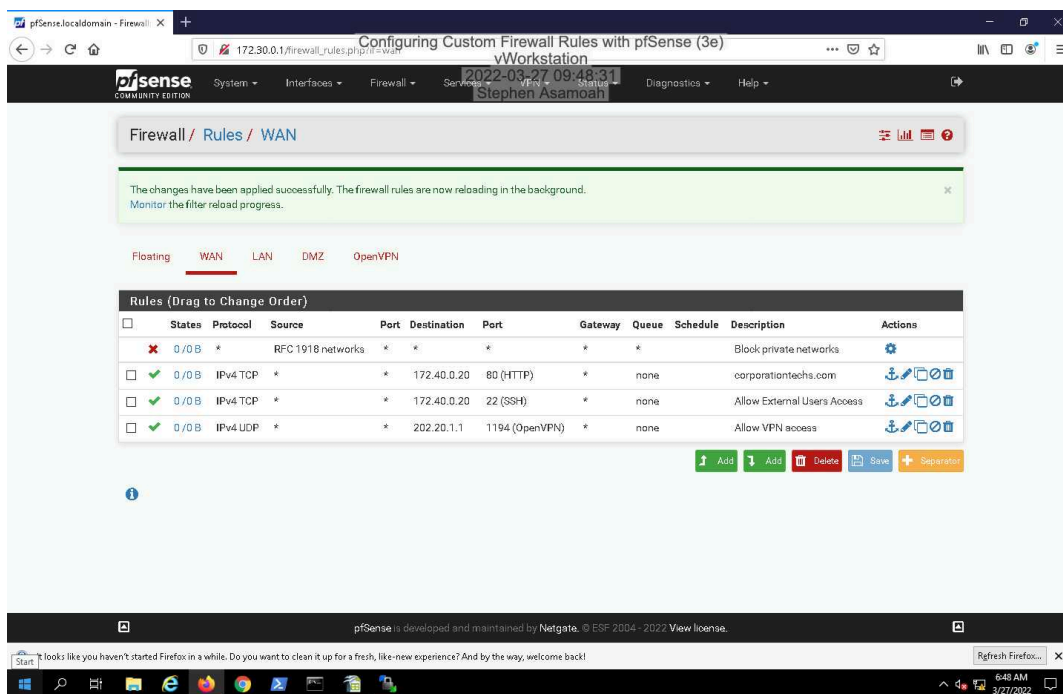
6:42 AM3/27/2022

Part 2: Configure the WAN Firewall Rules

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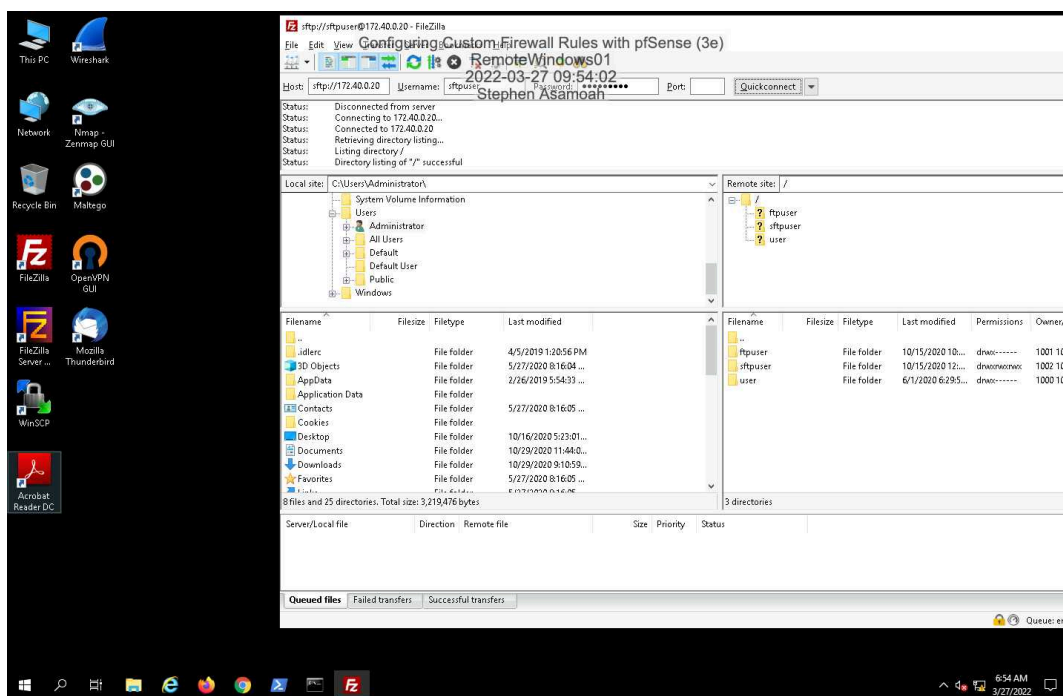
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14. Make a screen capture showing your completed WAN Rules table.



Part 3: Verify Firewall Rules for the WAN

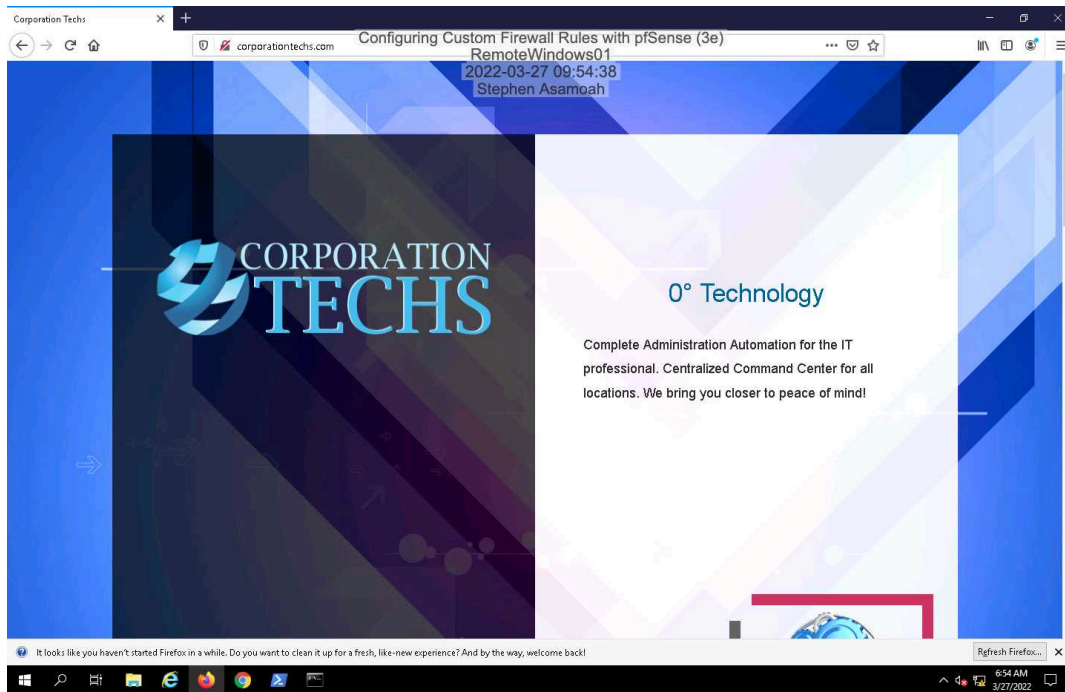
5. Make a screen capture showing the three user folders in the remote directory.



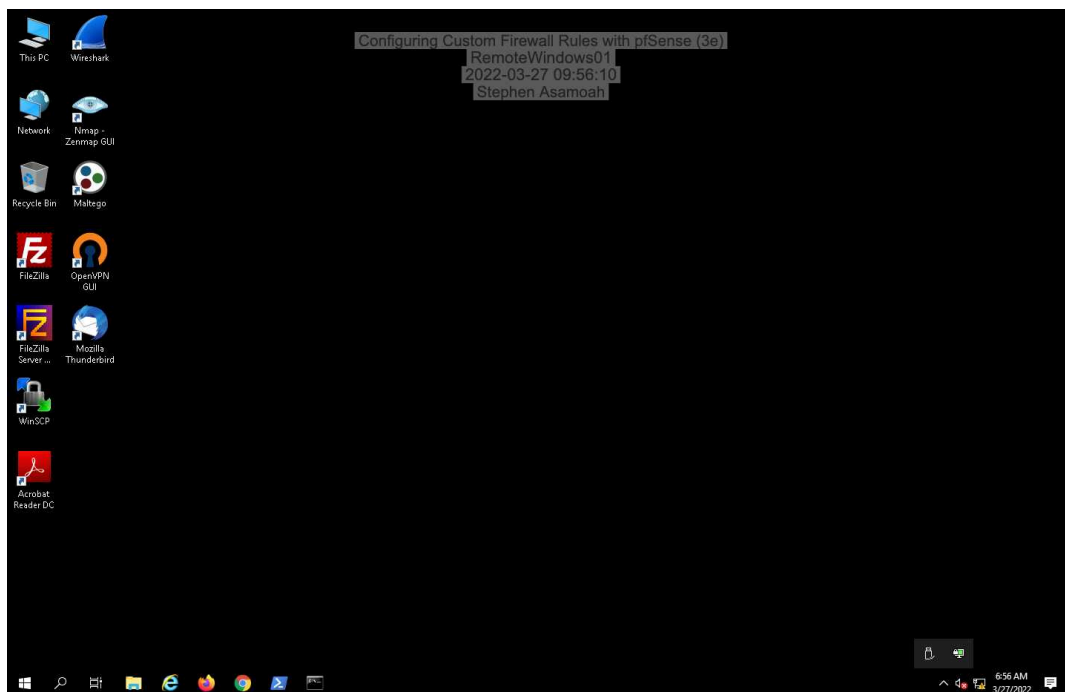
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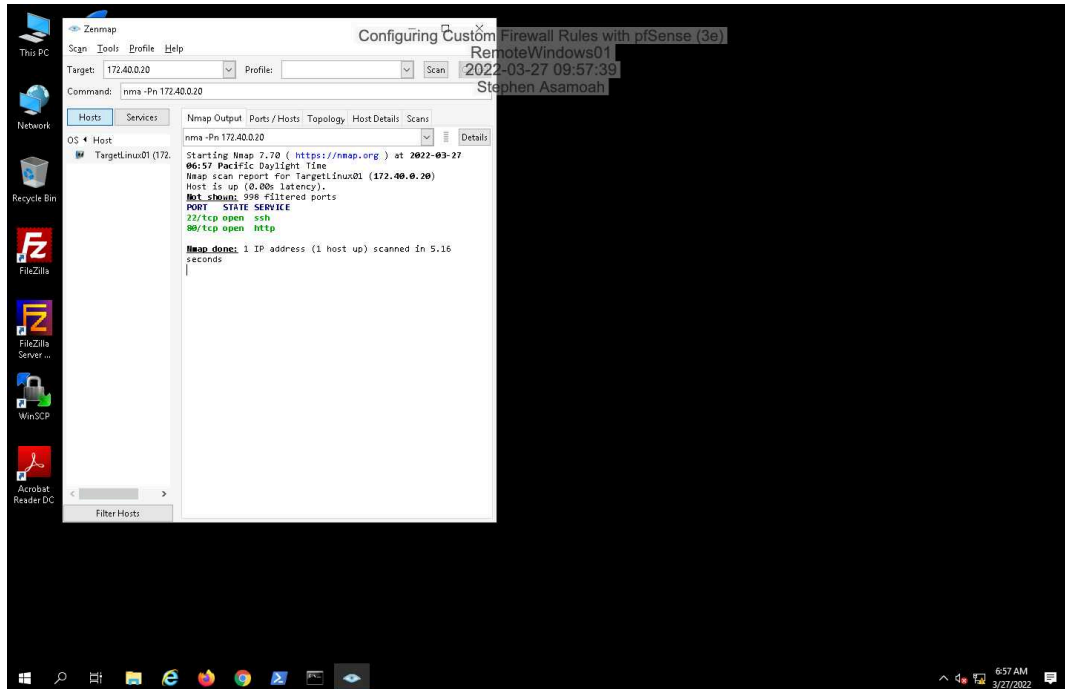
9. Make a screen capture showing the **corporationtechs.com** website.



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



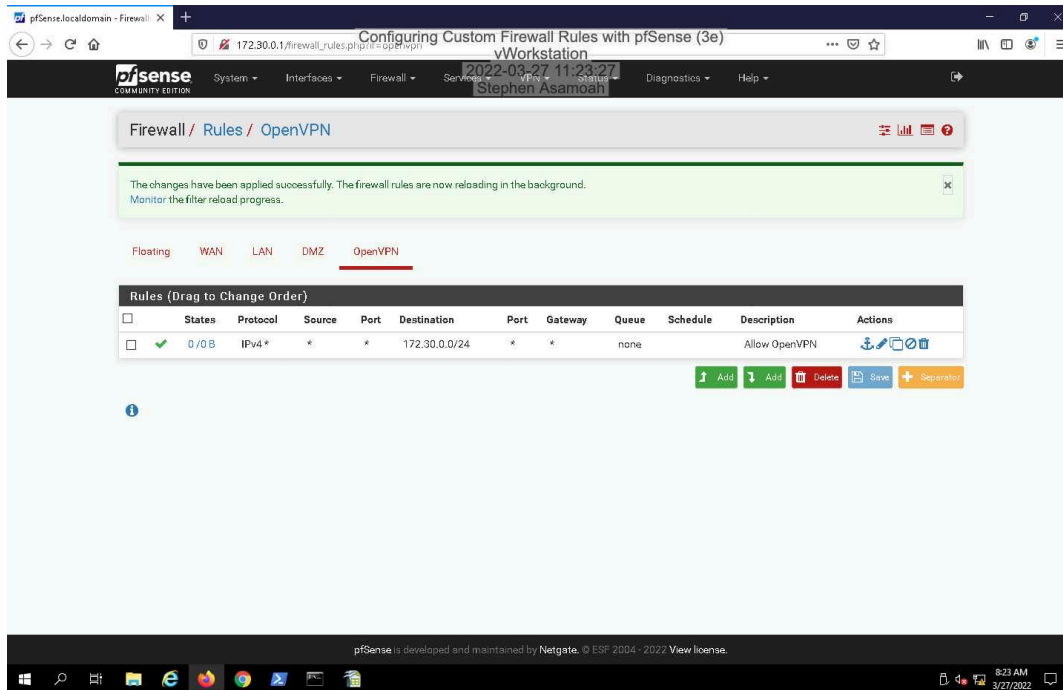
18. **Make a screen capture** showing the **ports and services discovered** on the **TargetLinux01** host.



Section 3: Challenge and Analysis

Part 1: Permit LAN Access from the VPN

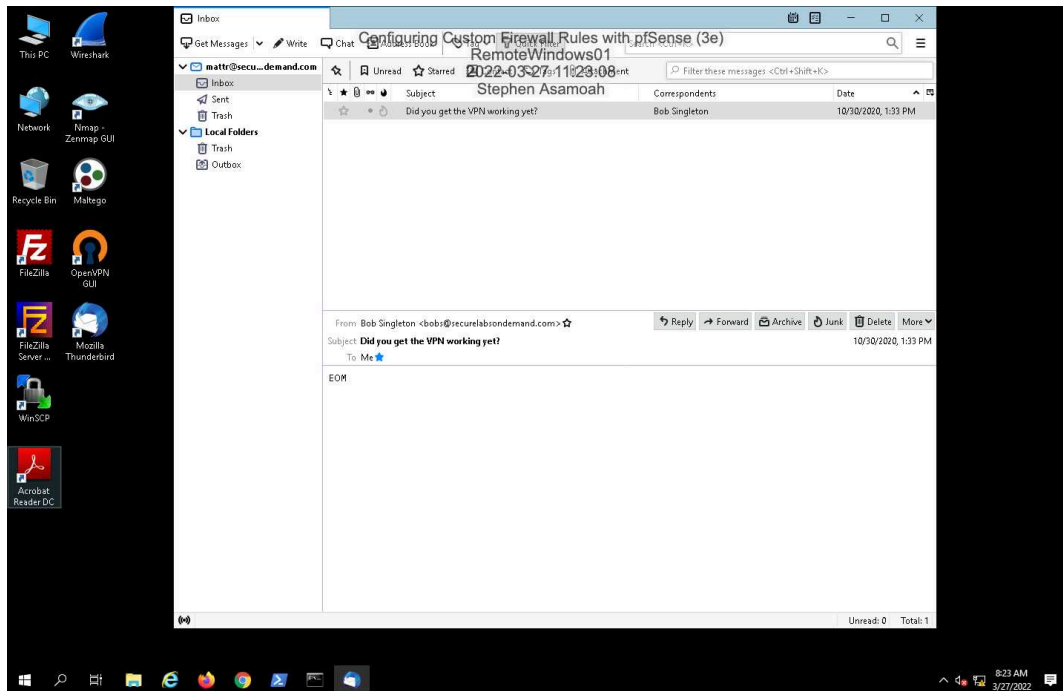
Make a screen capture showing the OpenVPN rules list in the pfSense WebGUI.



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

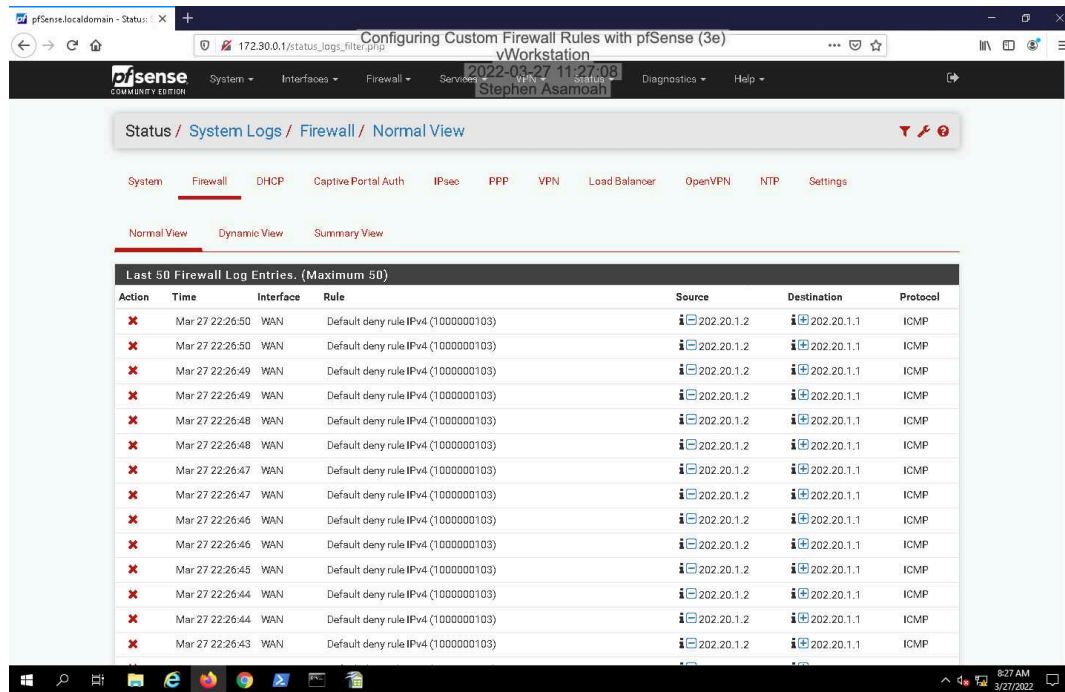


Part 2: Add an ICMP Rule using EasyPass

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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.

