NSSA221 Systems Administration I Lab 01 Report

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Requirements:

Please insert the required screenshots for the lab in the spaces provided below. Ensure that your screenshots clearly display all necessary information and are easily readable. Blurry, illegible, or incomplete screenshots will not be accepted, and you may not receive credit. Altering the content of the screenshots is considered academic dishonesty and will result in a grade of zero for the report.

This is the first lab, and it is graded on a pass/fail basis, meaning all required screenshots must be included. Additionally, make sure to submit this document along with the signed topology diagram.

All screenshots must be labeled using the following titles, place the image <u>BELOW</u> the title.

Figure 1 – PfSense Dashboard

```
Reloading filter...
 Reloading routing configuration...
 DHCPD...
The IPv4 WAN address has been set to 192.168.117.128/24
Press <ENTER> to continue.
UMware Virtual Machine - Netgate Device ID: f0bf23624ecce1e15ab6
*** Welcome to pfSense 2.5.1-RELEASE (amd64) on pfSense ***
 WAN (wan)
                   -> ем0
                                   -> v4: 192.168.117.128/24
                                   -> v4: 192.168.1.254/24
 LAN (lan)
                   -> ем1
                                            9) pfTop
10) Filter Logs
 0) Logout (SSH only)

    Assign Interfaces
    Set interface(s) IP address

                                            11) Restart webConfigurator
                                            12) PHP shell + pfSense tools
 3) Reset webConfigurator password
                                           13) Update from console
14) Enable Secure Shell (sshd)
 4) Reset to factory defaults
 5) Reboot system
                                           15) Restore recent configuration
16) Restart PHP-FPM
 6) Halt system
7) Ping host
 8) Shell
Enter an option:
```

Figure 2 – Rocky Linux Information

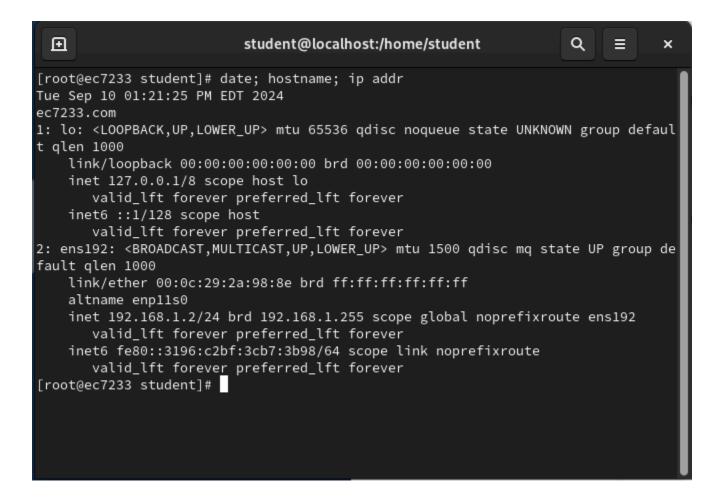
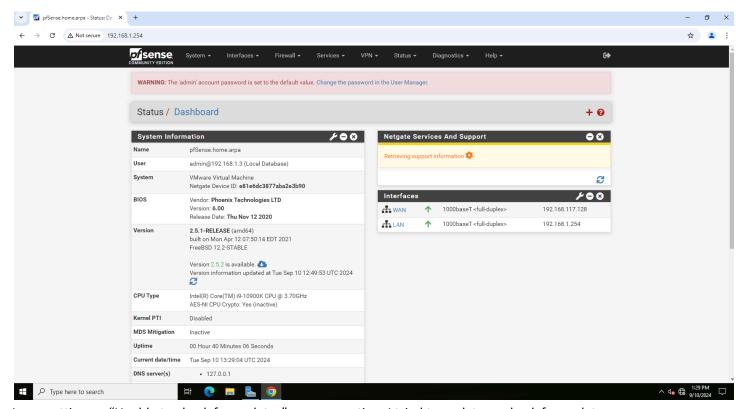


Figure 3 – Windows 10 Information

```
Administrator: Windows PowerShell
                                                                                                         ×
 S C:\Windows\system32> Get-Date; ipconfig /all
Tuesday, September 10, 2024 1:27:11 PM
Windows IP Configuration
  Host Name . . . . . . . . : DESKTOP-5Q38FHF
Primary Dns Suffix . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled
  IP Routing Enabled. . . . . . : No
  WINS Proxy Enabled. . . . . . . . No
Ethernet adapter Ethernet0:
  Connection-specific DNS Suffix .:
  Description . . . . . . . . . : Intel(R) 82574L Gigabit Network Connection
  Physical Address. . . . . . . : 00-0C-29-70-0F-75
  DHCPv6 IAID . . . . . . . . : 100666409
DHCPv6 Client DUID. . . . . . : 00-01-00-01-2E-72-2A-CB-00-0C-29-70-0F-75
  DNS Servers . . . . . . . . . : 8.8.8.8
                                    8.8.4.4
  NetBIOS over Tcpip. . . . . . : Enabled
PS C:\Windows\system32>
```

Figure 4 – Windows Server 2022 Information



I was getting an "Unable to check for updates" error everytime I tried to update or check for updates.