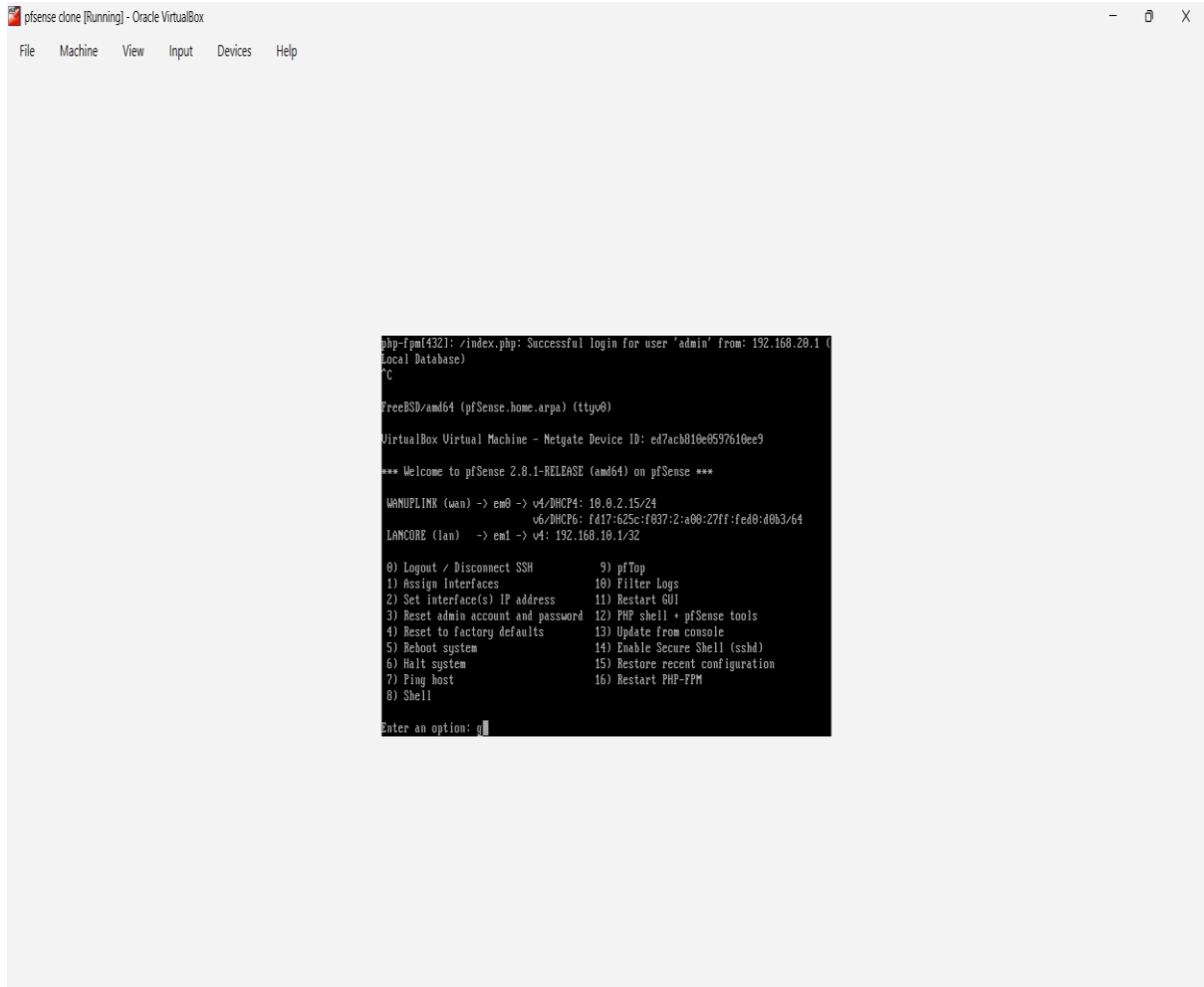


LAB 1 – Networking & Interface Configuration



```
php-fpm[432]: /index.php: Successful login for user 'admin' from: 192.168.20.1 (
Local Database)
^C
FreeBSD/amd64 (pfSense.home.arpa) (ttyv0)
VirtualBox Virtual Machine - Netgate Device ID: cd7acb810e0597610ee9
*** Welcome to pfSense 2.0.1-RELEASE (amd64) on pfSense ***

WANUPLINK (wan) -> cm0 -> v4/DHCP4: 10.0.2.15/24
v6/DHCP6: fd17:625c:f837:2:a08:27ff:fe80:a0a3/64
LANCORE (lan) -> cm1 -> v4: 192.168.10.1/32

0) Logout / Disconnect SSH          9) pfTop
1) Assign Interfaces                10) Filter Logs
2) Set interface(s) IP address      11) Restart GUI
3) Reset admin account and password 12) PHP shell + pfSense tools
4) Reset to factory defaults         13) Update from console
5) Reboot system                    14) Enable Secure Shell (sshd)
6) Halt system                      15) Restore recent configuration
7) Ping host                        16) Restart PHP-FPM
8) Shell

Enter an option: g
```

02. pfSense Frontend Practice – Ha X

pfSense.home.arpa - Interfaces: W/ X

Not secure 192.168.20.3/interfaces.php?if=wan

Chat

Import favorites

Gmail

YouTube

Maps

Dell

WANUplink (em0)

The WANUplink configuration has been changed.
The changes must be applied to take effect.
Don't forget to adjust the DHCP Server range if needed after applying.

✓ Apply Changes

General Configuration

Enable

☒ Enable interface

Description

WANUplink

Enter a description (name) for the interface here.

IPv4 Configuration Type

DHCP

IPv6 Configuration Type

DHCP6

MAC Address

xx:xx:xx:xx:xx:xx

This field can be used to modify ("spoof") the MAC address of this interface.
Enter a MAC address in the following format: xx:xx:xx:xx:xx:xx or leave blank.

MTU

1400

If this field is blank, the adapter's default MTU will be used. This is typically 1500 bytes but can vary in some

02. pfSense Frontend Practice – Ha X

pfSense.home.arpa - Interfaces: LA X

Not secure 192.168.20.3/inter... Summarize

Import favorites Gmail YouTube Maps Dell

pfSense

COMMUNITY EDITION

WARNING:
The password for this account is insecure. Password is currently set to the default value (pfsense).
Change the password as soon as possible.

LANCore (em1)

The changes have been applied successfully.

General Configuration

Enable

☒ Enable interface

Description

LANCore

Enter a description (name) for the interface here.

IPv4 Configuration Type


DHCP

IPv6 Configuration Type


DHCP6

MAC Address

WANUPLINK Interface (wan, em0)

Status	up 
DHCP	up   <input type="checkbox"/> Relinquish Lease
MAC Address	08:00:27:61:a3:68
IPv4 Address	10.0.2.15
Subnet mask IPv4	255.255.255.0
Gateway IPv4	10.0.2.2
IPv6 Link Local	fe80::a00:27ff:fe61:a368%em0
DNS servers	10.180.94.58
MTU	1200
Media	1000baseT <full-duplex>
In/out packets	9369/9614 (614 KiB/410 KiB)
In/out packets (pass)	9369/9614 (614 KiB/410 KiB)
In/out packets (block)	0/1 (0 B/40 B)
In/out errors	0/0
Collisions	0

LANCORE Interface (lan, em1)

Status	up 
MAC Address	08:00:27:75:2c:35
IPv4 Address	192.168.10.1
Subnet mask IPv4	255.255.255.0
IPv6 Link Local	fe80::a00:27ff:fe75:2c35%em1
MTU	1500
Media	1000baseT <full-duplex>
In/out packets	732/1262 (87 KiB/1.40 MiB)
In/out packets (pass)	732/1262 (87 KiB/1.40 MiB)
In/out packets (block)	1/22 (576 B/976 B)
In/out errors	0/0
Collisions	0

Using dial-on-demand will bring the connection up again if any packet triggers it. To substantiate this point: disconnecting manually will **not** prevent dial-on-demand from making connections to the outside! Don't use dial-on-demand if the line is to be kept disconnected.