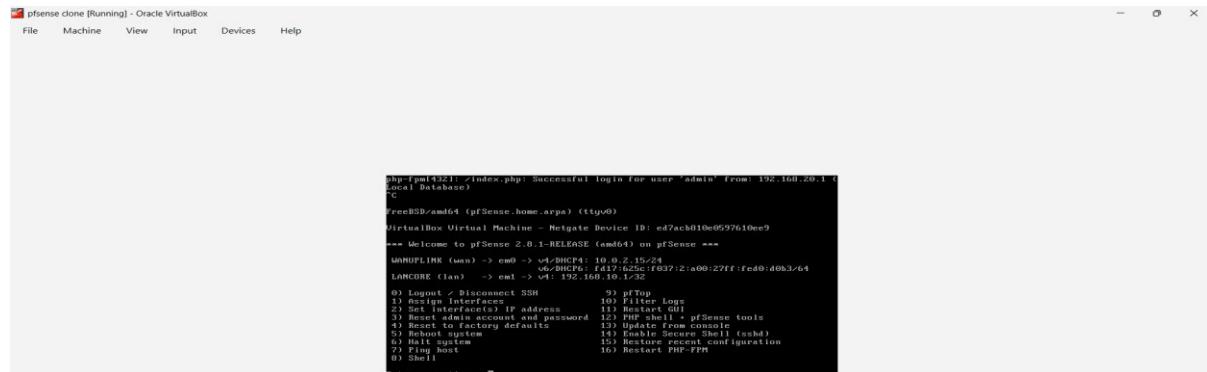
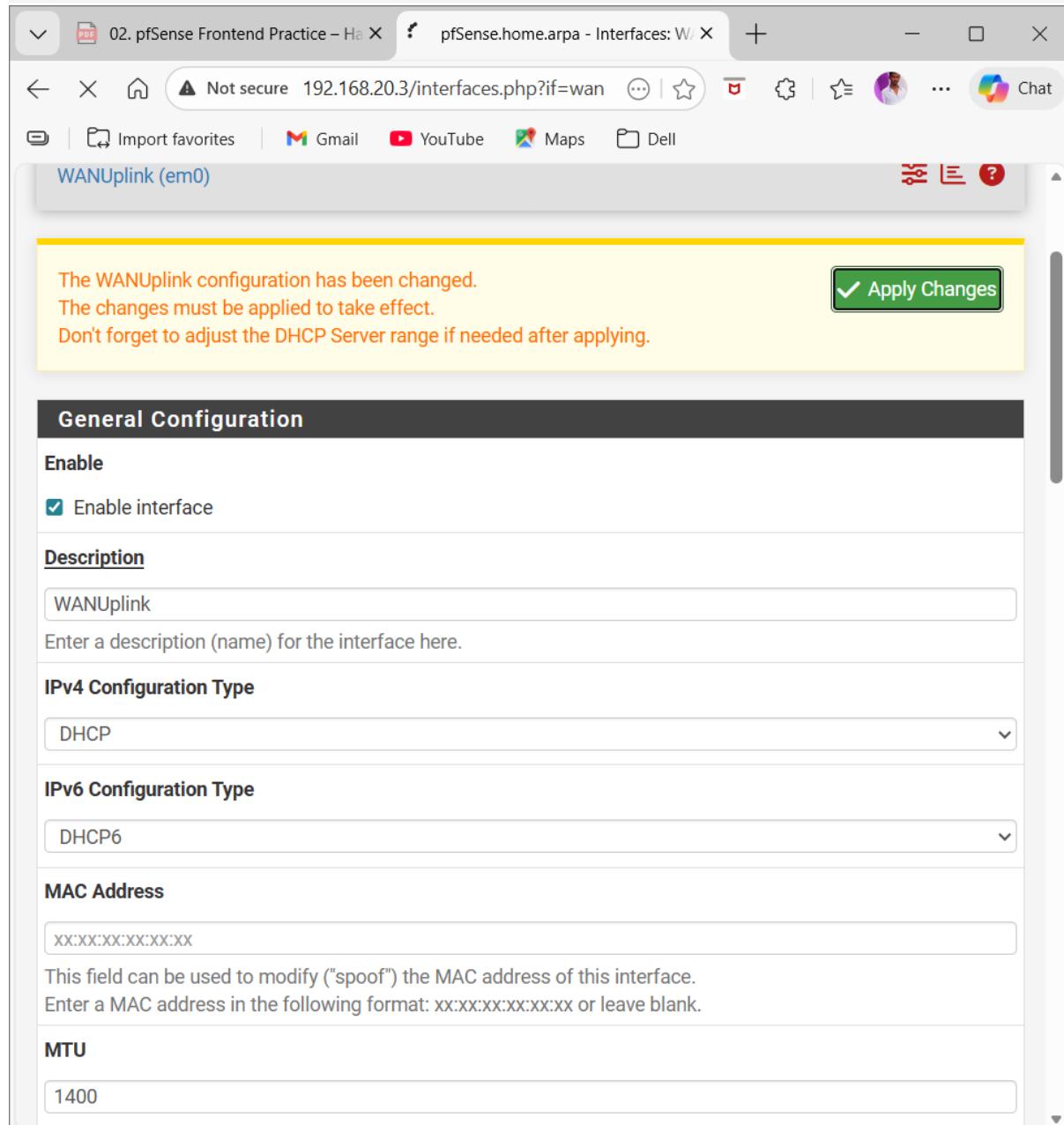


# LAB 1 – Networking & Interface Configuration



php-fpm(43c) /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: ed7acbd10e0597610ee9  
\*\*\* Welcome to pfSense 2.6.1-RELEASE (amd64) on pfSense \*\*\*  
WANUPLINK (wan) -> em0 -> v4l/BHCP4: 10.0.2.15/24  
LONCORE (lan) -> em1 -> v4l: 192.168.10.1/24  
0) Logout / Disconnect SSH 10) Filter Logs  
1) Assign Interface(s) IP address 11) Restart pfSense  
2) Set Interface(s) MAC Address 12) Start pfSense Shell + pfSense tools  
3) Set User Password 13) Update from console  
4) Reset to factory defaults 14) Stop pfSense Shell (tshd)  
5) Set System Log Level 15) Restore recent configuration  
6) Halt system 16) Restart PHP-FPM  
7) Bring host 8) Shutdown  
0) Shut down  
Enter an option: q

02. pfSense Frontend Practice – Ha X pfSense.home.arpa - Interfaces: W X +

Not secure 192.168.20.3/interfaces.php?if=wan

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.

**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 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

The screenshot shows a web browser window for pfSense. The address bar indicates the URL is `pfSense.home.arpa - Interfaces: LA`. A warning message in a pink box states: "WARNING: The password for this account is insecure. Password is currently set to the default value (pfsense). Change the password as soon as possible." Below this, the interface configuration for "LANCore (em1)" is displayed. A green success message at the top of the configuration page says: "The changes have been applied successfully." The configuration settings include:

- General Configuration**
- Enable**:  Enable interface
- Description**: LANCore
- IPv4 Configuration Type**: DHCP
- IPv6 Configuration Type**: DHCP6
- MAC Address**: (not explicitly shown)

Screenshot of the pfSense Frontend Practice interface showing the 'Interfaces / Interface Assignments' page.

The browser title bar shows: 02\_pfSense\_Frontend\_Practice - Hi | pfSense - Login | pfSense.home.arpa - Interfaces: In

The page header includes: Not secure 192.168.20.3/interfaces\_assign.php, Import favorites, Gmail, YouTube, Maps, Dell, Summarize, Chat, and other navigation links.

The pfSense navigation bar includes: System, Interfaces, Firewall, Services, VPN, Status, Diagnostics, Help, and a search bar.

A red box highlights a warning message: "WARNING: The password for this account is insecure. Password is currently set to the default value (pfSense). Change the password as soon as possible."

The main content area is titled "Interfaces / Interface Assignments". It shows a table with two rows:

Interface	Network port
WANUplink	em0 (08:00:27:d0:d0:b3)
LANCore	em1 (08:00:27:a5:cf:ba)

Buttons for "Save" and "Delete" are present next to the LANCore row.

Information at the bottom states: "Interfaces that are configured as members of a lagg(4) interface will not be shown." and "Wireless interfaces must be created on the Wireless tab before they can be assigned."

At the bottom right of the page: pfSense is developed and maintained by Netgate. © ESF 2004 - 2025 [View license](#).