

# TP10 - MONOWALL

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## Introduction :

Dans ce TP, on va installer un serveur monowall qui est basé sur le système d'exploitation linux

Un monowall est un type de pare-feu très restrictif qui filtre tout le trafic réseau entrant et sortant d'un réseau. Il est souvent utilisé pour protéger des systèmes sensibles.

## Partie Pratique :

Dans cette partie, on va installer le serveur monowall pour cela on va mettre deux cartes réseau et les connecter dans le même groupe de réseau sur Exsi car le monowall peut être utilisé comme routeur.

CPU	1 vCPUs
Mémoire	384 Mo
Disque dur 1	8 Go
Contrôleur USB	USB 2.0
Adaptateur réseau 1	groupe_port_Turhan (Connecté)
Adaptateur réseau 2	groupe_port_Turhan (Connecté)
Carte vidéo	16 Mo
Lecteur CD/DVD 1	ISO [datastore1] _ISOS/monowall/generic-pc-1.8.1.iso
	 Sélectionner l'image disque
Autres	Matériel supplémentaire

Cette image nous montre que les deux cartes réseau ont été connectées dans le serveur monowall

Ensuite, on lance la machine monowall :

```

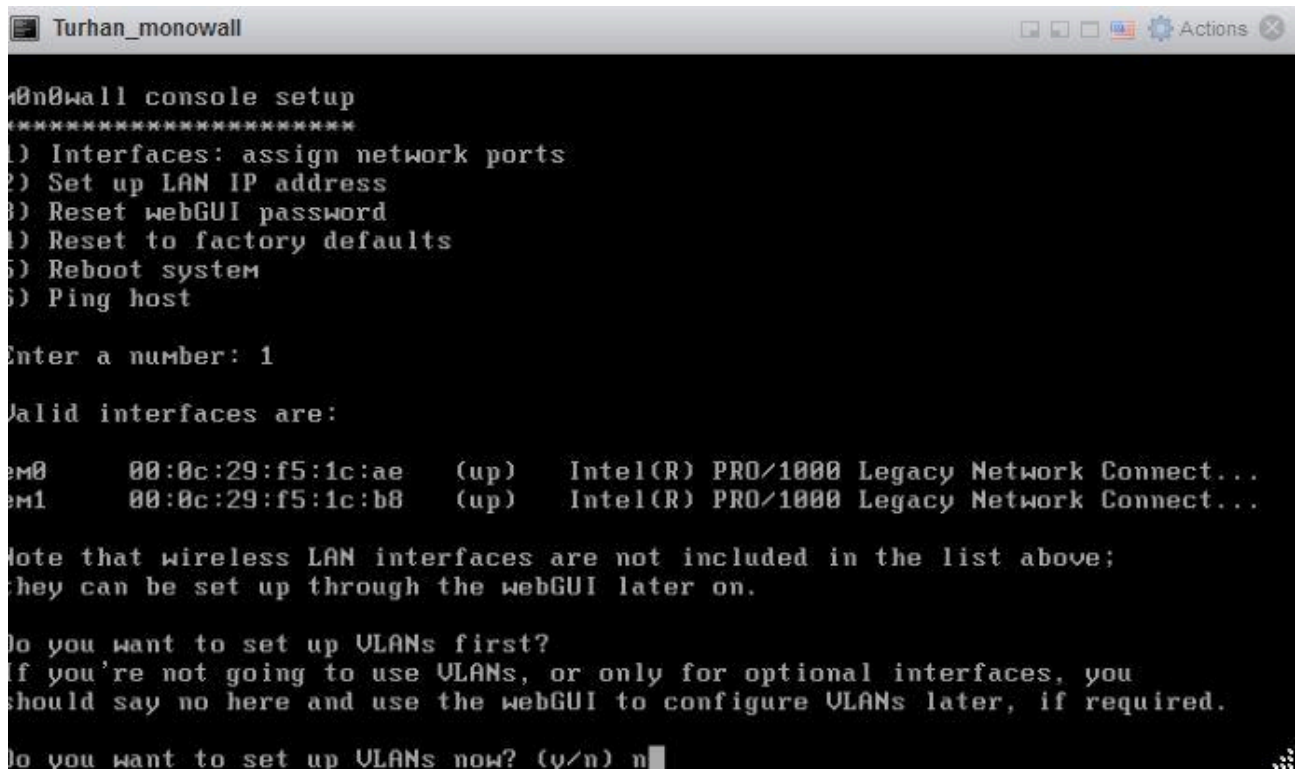
monowall console setup
*****
1) Interfaces: assign network ports
2) Set up LAN IP address
3) Reset webGUI password
4) Reset to factory defaults
5) Reboot system
6) Ping host
7) Install on Hard Drive

Enter a number: 

```

Cette image nous montre la page d'accueil graphique de monowall.

Après avoir lancé la machine monowall, il faut tout d'abord installer l'interface web de monowall via le serveur.

A screenshot of a terminal window titled "Turhan\_monowall". The window shows the "monowall console setup" menu with options 1 through 6. Option 1, "Interfaces: assign network ports", is selected. The user is prompted to "Enter a number:" and has entered "1". The terminal then lists "Valid interfaces are:" followed by two entries: "em0" with MAC address "00:0c:29:f5:1c:ae" and "em1" with MAC address "00:0c:29:f5:1c:b8", both marked as "(up)" and identified as "Intel(R) PRO/1000 Legacy Network Connect...". A note states that wireless LAN interfaces are not included and can be set up via the webGUI. The user is then asked "Do you want to set up VLANs first?" and "If you're not going to use VLANs, or only for optional interfaces, you should say no here and use the webGUI to configure VLANs later, if required." The final prompt is "Do you want to set up VLANs now? (y/n)" with the user having entered "n".

```
Turhan_monowall
monowall console setup
*****
1) Interfaces: assign network ports
2) Set up LAN IP address
3) Reset webGUI password
4) Reset to factory defaults
5) Reboot system
6) Ping host

Enter a number: 1

Valid interfaces are:

em0      00:0c:29:f5:1c:ae  (up)  Intel(R) PRO/1000 Legacy Network Connect...
em1      00:0c:29:f5:1c:b8  (up)  Intel(R) PRO/1000 Legacy Network Connect...

Note that wireless LAN interfaces are not included in the list above;
they can be set up through the webGUI later on.

Do you want to set up VLANs first?
If you're not going to use VLANs, or only for optional interfaces, you
should say no here and use the webGUI to configure VLANs later, if required.

Do you want to set up VLANs now? (y/n) n
```

```
Do you want to set up VLANs first?  
If you're not going to use VLANs, or only for optional interfaces, you  
should say no here and use the webGUI to configure VLANs later, if required.  
  
Do you want to set up VLANs now? (y/n) n  
  
If you don't know the names of your interfaces, you may choose to use  
auto-detection. In that case, disconnect all interfaces before you begin,  
and reconnect each one when prompted to do so.  
  
Enter the LAN interface name or 'a' for auto-detection: em0  
Enter the WAN interface name or 'a' for auto-detection: em1  
Enter the Optional 1 interface name or 'a' for auto-detection  
(or nothing if finished):  
  
The interfaces will be assigned as follows:  
  
LAN -> em0  
WAN -> em1  
  
The firewall will reboot after saving the changes.  
  
Do you want to proceed? (y/n) █
```

cette image nous montre l'installation de l'interface sur le serveur monowall  
Ensuite, on va lancer le site web de monowall