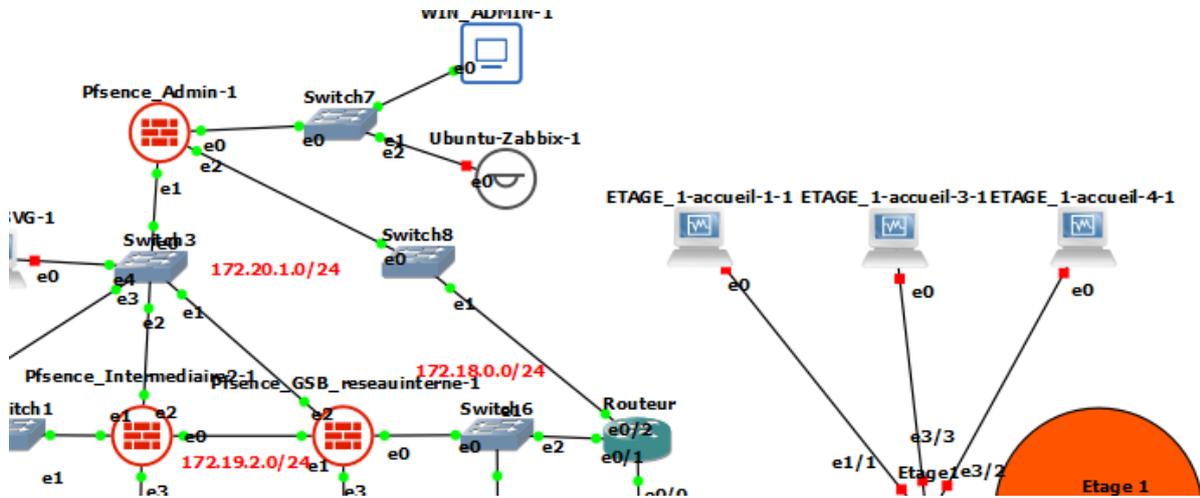


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Config ip Zabbix :

```
# This is the network config written by
network:
  ethernet:
    enp0s3:
      addresses: [172.20.2.20/24]_
      gateway4: 172.20.2.254
      nameservers:
        addresses: [8.8.8.8, 4.2.2.2]
      version: 2
```

Dashboard zabbix :

The screenshot shows the Zabbix Dashboard interface. The main content area displays 'Global view' with a 'Top hosts by CPU utilization' table. The 'Zabbix server' row shows 0.50% utilization, 1.49 1m avg, 0.16 5m avg, 0.08 15m avg, and 176 processes. A large green indicator shows '1.72↑ Zabbix server Values per second'. The 'System information' sidebar lists parameters like 'Zabbix server is running', 'Number of hosts (enabl)', 'Number of templates', 'Number of items (enabl)', 'Number of triggers (ena)', 'Number of users (online)', and 'Required server perform'. Below this, 'Host availability' shows 1 Available, 0 Not available, 0 Unknown, and 1 Total. 'Problems by severity' shows 0 Disaster, 0 High, 0 Average, and 1 Warning. The 'Current problems' section is empty.

Creation des group

- Name ▲
- Applications
- Databases
- Discovered hosts
- Hypervisors
- Infra
- internet
- Linux servers
- Pare-Feu
- passerelle
- Serveur-internes
- Service
- Virtual machines
- Zabbix servers

0 selected Enable hosts Disable hosts Del

Instalation des Pfsense en snmp :

Accepter le SNMP :

WARNING: The 'admin' account password is set to the default value. [Change the password in the User Manager.](#)

Services / **SNMP**

SNMP Daemon

Enable Enable the SNMP Daemon and its controls

SNMP Daemon Settings

Polling Port
Enter the port to accept polling events on (default 161).

System Location

System Contact

Read Community String
The community string is like a password, restricting access to querying SNMP to hosts knowing the community string. Use a strong value here to protect from unauthorized information disclosure.

SNMP Traps Enable

Enable Enable the SNMP Trap and its controls

SNMP Modules

SNMP modules Mikrotik

Creation des ACL sur le ports OPT1 :

Enabled	Log	Priority	Protocol	Source	Destination	Port	Interface	Filter Name	Actions
<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	TCP/UDP	172.20.1.1	OPT1 address	161 (SNMP)	*	none	Add Down Arrow Delete Save Separator
<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	ICMP	172.20.1.1	OPT1 address	*	*	none	

Creation du Host sur zabbix

Host configuration form for PF-EXTERN:

- Host name: PF-EXTERN
- Visible name: PF-EXTERN
- Templates: PFSense by SNMP (Action: Unlink, Unlink and clear)
- Host groups: Pare-Feu
- Interfaces: SNMP (IP address: 172.20.1.254, Connect to: IP, Port: 161, Default: Remove)
- Description: (empty text area)

Vérification du fonctionnement

PF-EXTERN	Items 18	Triggers 7	Graphs 1	Discovery 1	Web	172.20.1.254:161	PFSense by SNMP	Enabled	SNMP	None
-----------	----------	------------	----------	-------------	-----	------------------	-----------------	---------	------	------

On doit fait tous cela pour tout les Pfsense

- Name ▲
- PF-ADMIN
- PF-EXTERN
- PF-INTERMEDIAIRE
- PF-INTERNE
- Zabbix server

Enfin il nous reste a mettre tous les autre interfaces et service

Pour cela il faut faire des route dans le pfsens admin pour accède au différent réseaux

Static Routes					
	Network	Gateway	Interface	Description	Actions
<input checked="" type="checkbox"/>	172.17.0.0/24	passerelle - 172.20.3.253	OPT1		
<input checked="" type="checkbox"/>	172.19.2.0/24	INTERNE - 172.20.1.252	WAN		
<input checked="" type="checkbox"/>	172.18.0.0/24	INTERNE - 172.20.1.252	WAN		
<input checked="" type="checkbox"/>	172.19.1.0/24	INTERNE - 172.20.1.252	WAN		
<input checked="" type="checkbox"/>	172.19.4.1/32	INTERMEDIAIRE - 172.20.1.253	WAN		
<input checked="" type="checkbox"/>	172.19.2.254/32	INTERMEDIAIRE - 172.20.1.253	WAN		
<input checked="" type="checkbox"/>	172.19.3.0/24	INTERMEDIAIRE - 172.20.1.253	WAN		
<input checked="" type="checkbox"/>	172.19.4.0/24	WANGW - 172.20.1.254	WAN		
<input checked="" type="checkbox"/>	172.20.1.254/32	WANGW - 172.20.1.254	WAN		
<input checked="" type="checkbox"/>	192.168.10.0/24	passerelle - 172.20.3.253	OPT1		
<input checked="" type="checkbox"/>	192.168.20.0/24	passerelle - 172.20.3.253	OPT1		
<input checked="" type="checkbox"/>	192.168.30.0/24	passerelle - 172.20.3.253	OPT1		
<input checked="" type="checkbox"/>	192.168.40.0/24	passerelle - 172.20.3.253	OPT1		

[+ Add](#)

Appert avoir fait cela il faut aussi modifier les regle de par feux pour faire passer tout les interface

Exemple de la pf intermédiaire

	States	Protocol	Source	Port	Destination	Port	Gateway	Queue	Schedule	Description	Actions
<input type="checkbox"/>	<input checked="" type="checkbox"/> 35 /80 KiB	IPv4 TCP/UDP	172.20.1.1	*	WAN address	161 (SNMP)	*	none			
<input type="checkbox"/>	<input checked="" type="checkbox"/> 33 /77 KiB	IPv4 TCP/UDP	172.20.1.1	*	LAN address	161 (SNMP)	*	none			
<input type="checkbox"/>	<input checked="" type="checkbox"/> 51 /146 KiB	IPv4 TCP/UDP	172.20.1.1	*	OPT1 address	161 (SNMP)	*	none			
<input type="checkbox"/>	<input checked="" type="checkbox"/> 36 /69 KiB	IPv4 TCP/UDP	172.20.1.1	*	OPT2 address	161 (SNMP)	*	none			

Il reste plus qua mettre tout sur zabbix

<u>DNS GOOGLE</u>			class: network	target:
<u>google.fr</u>			class: network	target:
<u>LABANNU</u>	172.17.0.30:161	SNMP	class: os	target: wind
<u>PASSERELLE VLAN 10</u>	192.168.10.254:161	SNMP	class: network	target:
<u>PASSERELLE VLAN 20</u>	192.168.20.254:161	SNMP	class: network	target:
<u>PASSERELLE VLAN 30</u>	192.168.30.254:161	SNMP	class: network	target:
<u>PASSERELLE VLAN 40</u>	192.168.40.254:161	SNMP	class: network	target:
<u>PASSERELLE VLAN 300</u>	172.17.0.254:161	SNMP	class: network	target:
<u>PF-ADMIN LAN</u>	172.20.2.254:161	SNMP	class: software	target:
<u>PF-ADMIN OPT1</u>	172.20.3.254:161	SNMP	class: software	target:
<u>PF-ADMIN WAN</u>	172.20.1.1:161	SNMP	class: software	target:
<u>PF-EXTERNE LAN</u>	172.19.4.254:161	SNMP	class: software	target:
<u>PF-EXTERN OPT1</u>	172.20.1.254:161	SNMP	class: software	target:
<u>PF-INTERMEDIAIRE LAN</u>	172.19.2.254:161	SNMP	class: software	target:
<u>PF-INTERMEDIAIRE OPT1</u>	172.20.1.253:161	SNMP	class: software	target:
<u>PF-INTERMEDIAIRE OPT2</u>	172.19.3.254:161	SNMP	class: software	target:
<u>PF-INTERMEDIAIRE WAN</u>	172.19.4.1:161	SNMP	class: software	target:
<u>PF-INTERNE LAN</u>	172.18.0.254:161	SNMP	class: software	target:
<u>PF-INTERNE OPT1</u>	172.20.1.252:161	SNMP	class: software	target:
<u>PF-INTERNE OPT2</u>	172.19.1.254:161	SNMP	class: software	target:
<u>PF-INTERNE WAN</u>	172.19.2.1:161	SNMP	class: software	target:
<u>REZOLAB</u>	172.17.0.10:161	SNMP	class: os	target: wind
<u>ROUTEUR INTERNE</u>	172.20.3.253:161	SNMP	class: network	target:
<u>WEB EXT</u>	172.19.3.100:161	SNMP	class: os	target: linux
<u>Zabbix server</u>	127.0.0.1:10050	ZBX	class: os	class: softw