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Debian / Zabbix / MariaDB / Nginx

## Installation de Zabbix v5

## Debian 11.3

### Ajout du Repo

```
wget https://repo.zabbix.com/zabbix/5.0/debian/pool/main/z/zabbix-  
release/zabbix-release_5.0-2+debian11_all.deb  
sudo dpkg -i zabbix-release_5.0-2+debian11_all.deb  
sudo apt update
```

### Zabbix et Maria DB

```
sudo apt install zabbix-server-mysql  
sudo apt install mariadb-server
```

### Secure MyQSL

```
sudo mysql_secure_installation
```

Passer ces paramètres comme ceci:

```
Switch to unix_socket authentication [Y/n] n  
Remove anonymous users? [Y/n] y  
Disallow root login remotely? [Y/n] y  
Remove test database and access to it? [Y/n] y  
Reload privilege tables now? [Y/n] y
```

### Crée BDD

```
sudo mysql -u root  
CREATE DATABASE zabbixdb character set utf8 collate utf8_bin;  
GRANT ALL PRIVILEGES ON zabbixdb.* TO userzabbix@localhost IDENTIFIED by  
'SafePassWord';  
FLUSH PRIVILEGES;  
QUIT;
```

## Import BDD

```
sudo zcat /usr/share/doc/zabbix-server-mysql/create.sql.gz | mysql -uuserzabbix -p'SafePassWord' zabbixdb
```

## Nginx & PHP

```
sudo apt install zabbix-frontend-php zabbix-nginx-conf
```

## Param PHP

```
sudo nano /etc/php/*/fpm/php.ini
Modifier les paramètres ci dessous:
max_execution_time = 600
max_input_time = 600
memory_limit = 256M
post_max_size = 32M
upload_max_filesize = 16M
date.timezone = "Europe/Paris"
```

Ensuite relancer le service:

```
sudo systemctl restart php*-fpm.service
```

## Start & Enable Nginx

```
sudo systemctl enable nginx
sudo systemctl start nginx
```

## Config Nginx

```
udo nano /etc/nginx/conf.d/zabbix.conf
Décommenter ces lignes:
server {
    listen          80;                ## Dé-commenter cette
partie
    server_name     zabbix.debian.local; ## Dé-commenter cette partie
et mettre le bon nom de domaine.
```

```
sudo nano /etc/nginx/sites-available/default
server {
    listen 82 default_server;          ## Changer 80 pour 82
    listen [::]:82 default_server;    ## Changer 80 pour 82
```

## Permission

```
sudo chmod -R 775 /usr/share/zabbix/
```

## Relancer le service:

```
sudo systemctl restart nginx
```

## Contrôle de l'état du service

```
systemctl status nginx
```

## BDD Config

Configurer la Base de Données pour le serveur Zabbix.

```
sudo nano /etc/zabbix/zabbix_server.conf
```

Modifier la configuration comme ceci:

```
DBHost=localhost  
DBName=zabbixdb  
DBUser=userzabbix  
DBPassword=SafePassWord
```

## Agent Zabbix

```
sudo apt -y install zabbix-agent
```

## Start Serveur & Agent

```
sudo systemctl enable zabbix-server zabbix-agent  
sudo systemctl start zabbix-server zabbix-agent
```

## Web UI

Setup UI: <http://ipduServerNGINX>




Login Admin  
Passwd zabbix

File Edit View History Bookmarks Tools Help

Installation x +

10.200.20.4/setup.php




- Welcome
- Check of pre-requisites
- Configure DB connection
- Zabbix server details
- Pre-installation summary
- Install

Welcome to

# Zabbix 5.0

Back Next step



## Configure DB connection

Please create database manually, and set the configuration parameters for connection to this database. Press "Next step" button when done.

Database type

Database host

Database port  0 - use default port

Database name

User

Password

Database TLS encryption *Connection will not be encrypted because it uses a socket file (on Unix) or shared memory (Windows).*

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## Check of pre-requisites

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- Check of pre-requisites
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	Current value	Required	
PHP version	7.4.28	7.2.0	OK
PHP option "memory_limit"	128M	128M	OK
PHP option "post_max_size"	16M	16M	OK
PHP option "upload_max_filesize"	2M	2M	OK
PHP option "max_execution_time"	300	300	OK
PHP option "max_input_time"	300	300	OK
PHP option "date.timezone"	Europe/Paris		OK
PHP databases support	MySQL		OK
PHP bcmath	on		OK
PHP mbstring	on		OK

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## Zabbix server details

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Please enter the host name or host IP address and port number of the Zabbix server, as well as the name of the installation (optional).

Host

Port

Name

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## Pre-installation summary

Please check configuration parameters. If all is correct, press "Next step" button, or "Back" button to change configuration parameters.

Database type	MySQL
Database server	localhost
Database port	3306
Database name	zabbixdb
Database user	userzabbix
Database password	*****
Database TLS encryption	false
Zabbix server	10.200.20.4
Zabbix server port	10051
Zabbix server name	zabbix-server

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## Install

**Congratulations! You have successfully installed Zabbix frontend.**

Configuration file "conf/zabbix.conf.php" created.

[Back](#) [Finish](#)

# Agent

**Zabbix 5.0 LTS version (support jusqu'au 31 mai 2025)**

## Sources

```
sudo wget https://repo.zabbix.com/zabbix/5.0/debian/pool/main/z/zabbix-  
release/zabbix-release_5.0-2+debian$(cut -d"." -f1  
/etc/debian_version)_all.deb  
sudo dpkg -i zabbix-release_5.0-2+debian$(cut -d"." -f1  
/etc/debian_version)_all.deb
```

## Installer

```
sudo apt update  
sudo apt -y install zabbix-agent
```

## Configurer

### Éditer le fichier de configuration

```
sudo nano /etc/zabbix/zabbix_agentd.conf
```

### Reporter votre configuration

```
Server=10.200.20.4  
ServerActive=10.200.20.4  
HostMetadata=Linux  
HostnameItem=system.hostname  
#Hostname=Zabbix Server
```



**Server & serverActive, mettre votre serveur Zabbix ou proxy.**  
**HostMetadata, vous pouvez désigner le type de system (sera remonter par l'agent dans Zabbix).**  
**Hostnameltem, laisser la variable (system.hostname)**  
**Vous pouvez commenter la variable Hostname par un #**

## Service

Relancer et activer le service de l'agent.

```
sudo systemctl restart zabbix-agent  
sudo systemctl enable zabbix-agent
```

Commande disponible :

```
sudo systemctl <status/restart/start/stop> zabbix-agent
```

## Pare Feu

Penser a ouvrir les flux si vous avez un FireWall.

```
sudo ufw allow 10050/tcp
```

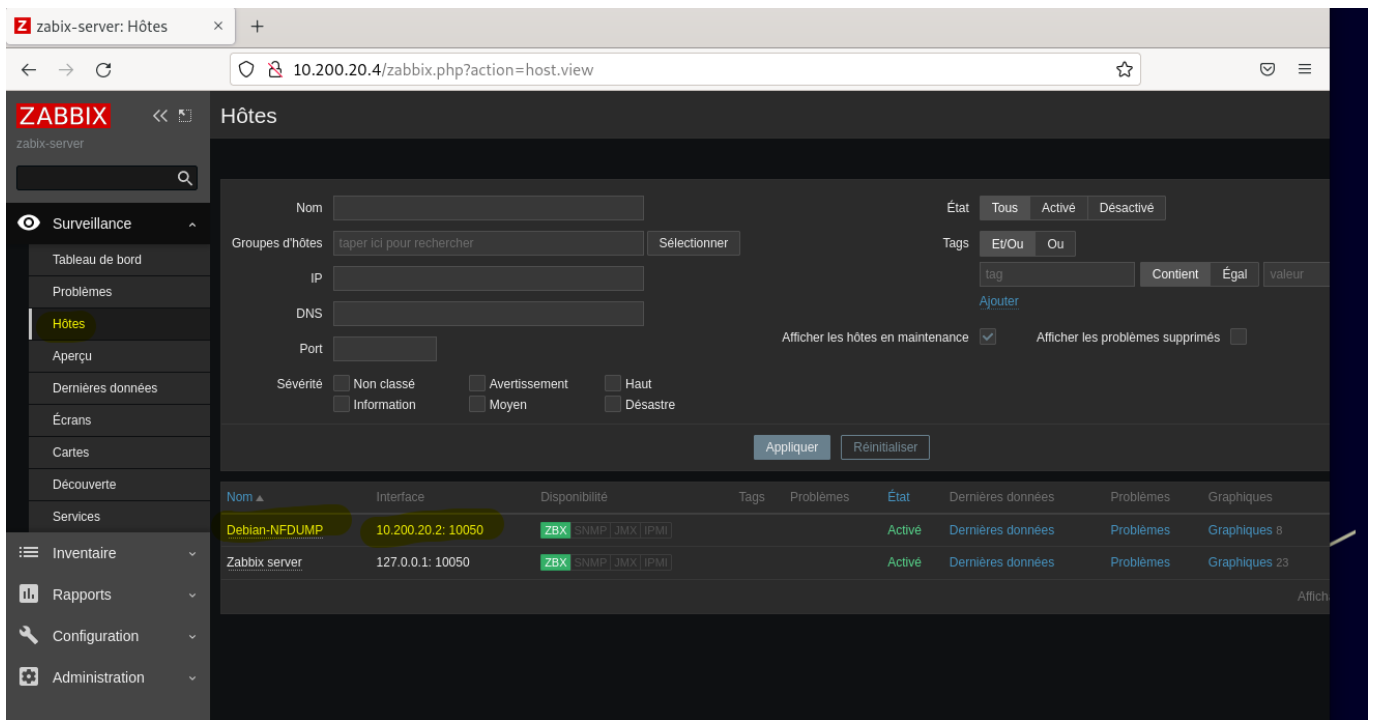
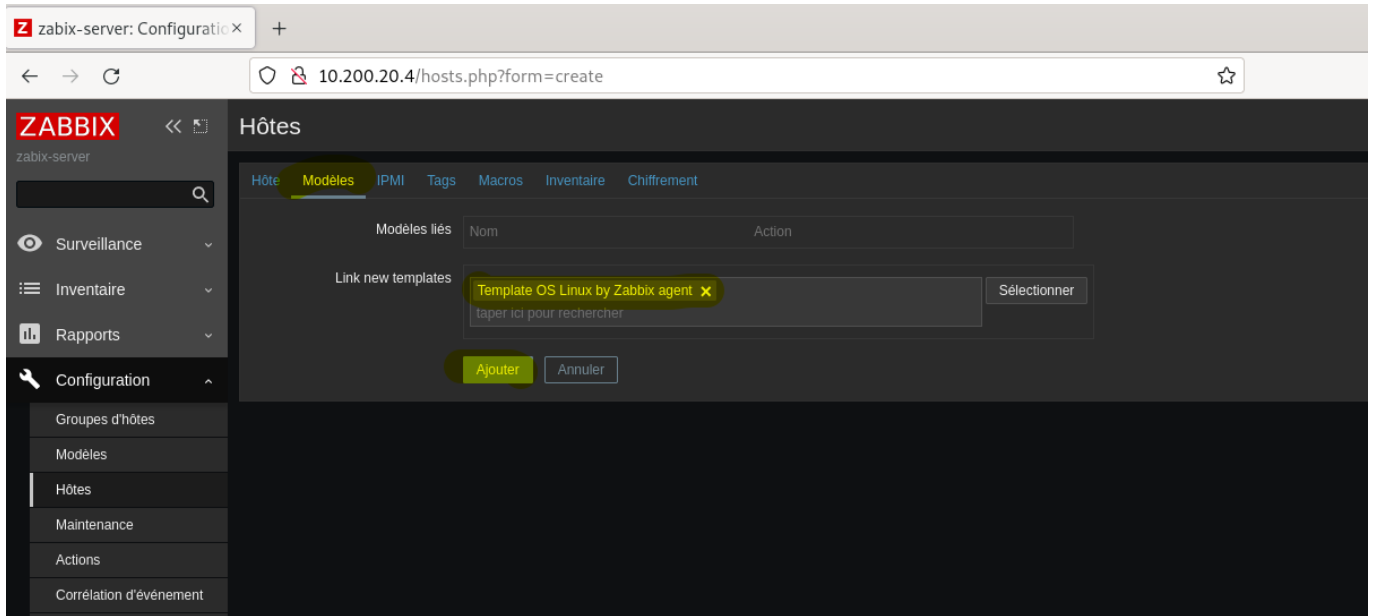
# Host

Ajouter une machine dans Zabbix Serveur.

The screenshot shows the Zabbix web interface for adding a new host. The browser address bar shows the URL `10.200.20.4/hosts.php?form=create`. The interface is in French and displays the 'Hôtes' (Hosts) configuration page. The form includes the following fields and options:

- Nom de l'hôte:** Debian-NFDUMP
- Nom visible:** (empty)
- Groupes:** Linux servers (selected)
- Interfaces:** A table with columns: Type, adresse IP, Nom DNS, Connexion à, Port, Défaut. The entry is: Agent, 10.200.20.2, (empty), IP, 10050, Supprimer.
- Description:** (empty text area)
- Surveillé via le proxy:** (pas de proxy)
- Activé:** (checked)

The 'Ajouter' button is highlighted in green, and the 'Annuler' button is in grey.



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