

# Zabbix Agent

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# Agent zabbix avec autoregistration

## Prérequis

- Avoir un zabbix-server d'installé

## Installation de zabbix agent

Le serveur que je vais ajouter est un serveur mariadb

- Installation via apt

```
apt install zabbix-agent2
```

- Editer le fichier de config `/etc/zabbix/zabbix_agent2.conf` et modifier:

```
Server=172.16.0.8
ServerActive=172.16.0.8
Hostname=zab-front-01
HostMetadata=Linux_db
```

- Redémarrer le service

```
root@sql-front-01:~# systemctl restart zabbix-agent2.service
root@sql-front-01:~# systemctl status zabbix-agent2.service
* zabbix-agent2.service - Zabbix Agent 2
   Loaded: loaded (/lib/systemd/system/zabbix-agent2.service; enabled; preset:
enabled)
   Active: active (running) since Wed 2023-12-06 15:44:55 UTC; 7s ago
     Docs: man:zabbix_agent2
  Main PID: 819 (zabbix_agent2)
    Tasks: 6 (limit: 9395)
   Memory: 4.1M
      CPU: 28ms
   CGroup: /system.slice/zabbix-agent2.service
           └─819 /usr/sbin/zabbix_agent2 -foreground -c
           /etc/zabbix/zabbix_agent2.conf

Dec 06 15:44:55 sql-front-01 systemd[1]: zabbix-agent2.service: Deactivated
successfully.
Dec 06 15:44:55 sql-front-01 systemd[1]: Stopped zabbix-agent2.service - Zabbix Agent
```

2.

```
Dec 06 15:44:55 sql-front-01 systemd[1]: Started zabbix-agent2.service - Zabbix Agent 2.
```

```
Dec 06 15:44:55 sql-front-01 zabbix_agent2[819]: Starting Zabbix Agent 2 (6.0.14)
```

```
Dec 06 15:44:55 sql-front-01 zabbix_agent2[819]: Zabbix Agent2 hostname: [zab-front-01]
```

```
Dec 06 15:44:55 sql-front-01 zabbix_agent2[819]: Press Ctrl+C to exit.
```

## Paramétrer le serveur zabbix

- Ajouter une action

The screenshot displays the Zabbix web interface. On the left, a dark blue sidebar contains navigation items: Alerts, Actions, Media types, Scripts, Users, and Administration. A red circle with the number '1' is placed over the 'Alerts' item, and a red arrow points from it to the 'Alerts' label. Another red circle with the number '2' is placed over the 'Scripts' item, and a red arrow points from it to the 'Scripts' label. A third red circle with the number '3' is placed over the 'Autoregistration actions' item in the expanded 'Actions' dropdown menu, with a red arrow pointing from it to the 'Autoregistration actions' label. Below the sidebar, a 'Create action' button is highlighted with a red arrow. The main content area shows a table with a 'Status' column and a 'Filter' button. At the bottom right, it says 'Displaying 0 of 0 found'.

**New action**

Action **Operations** 4

\* Name

Conditions

Label	Name	Action
A	Host metadata contains Linux	<a href="#">Remove</a>

2

Enabled  3

\* At least one operation must exist.

**New action**

Action **Operations**

Operations

Details	Action
<input type="button" value="Add"/> <span style="float: right;">1</span>	

\* At least one operation must exist.

**Operation details**

Operation

**New action**

Action **Operations 5**

Operations

Details	Action
<b>Add host</b> <b>Add to host groups:</b> Linux servers <b>Link templates:</b> Linux by Zabbix agent <b>Enable host</b> <b>Set host inventory mode:</b> Automatic <input type="button" value="Add"/>	<a href="#">Edit</a> <a href="#">Remove</a> <a href="#">Edit</a> <a href="#">Remove</a> <a href="#">Edit</a> <a href="#">Remove</a> <a href="#">Edit</a> <a href="#">Remove</a> <a href="#">Edit</a> <a href="#">Remove</a>

\* At least one operation must exist.

- Attendre un peu et le le host est bien présent

- 🏠 Dashboards
- 👁 Monitoring 1
- Problems
- Hosts 2
- Latest data
- Maps
- Discovery
- 🛠 Services
- 📦 Inventory
- 📄 Reports
- 📥 Data collection
- 📧 Alerts
- 👤 Users
- ⚙ Administration

Name

Host groups

IP

DNS

Port

Severity  Not classified  Warning  High  
 Information  Average  Disaster

Contains  value

Motorisé par Lingvanex, hébergé chez Vivaldi.  
[En savoir plus](#)

Show hosts in maintenance  Show suppressed problems

Name	Interface	Availability	Tags	Status	Latest data	Problems	Graphs	Dashboards
zab-front-01	172.16.0.6:10050	ZBX	class: os target: linux	Enabled	Latest data 57	Problems	Graphs 10	Dashboards 2
Zabbix server	127.0.0.1:10050	ZBX	class: os class: software target: linux ***	Enabled	Latest data 124	Problems	Graphs 21	Dashboards 4

Displaying 2

3

# WINDOWS SERVER CORE

Tout d'abord importer le package .msi de Zabbix Agent sur le Serveur Windows Core.

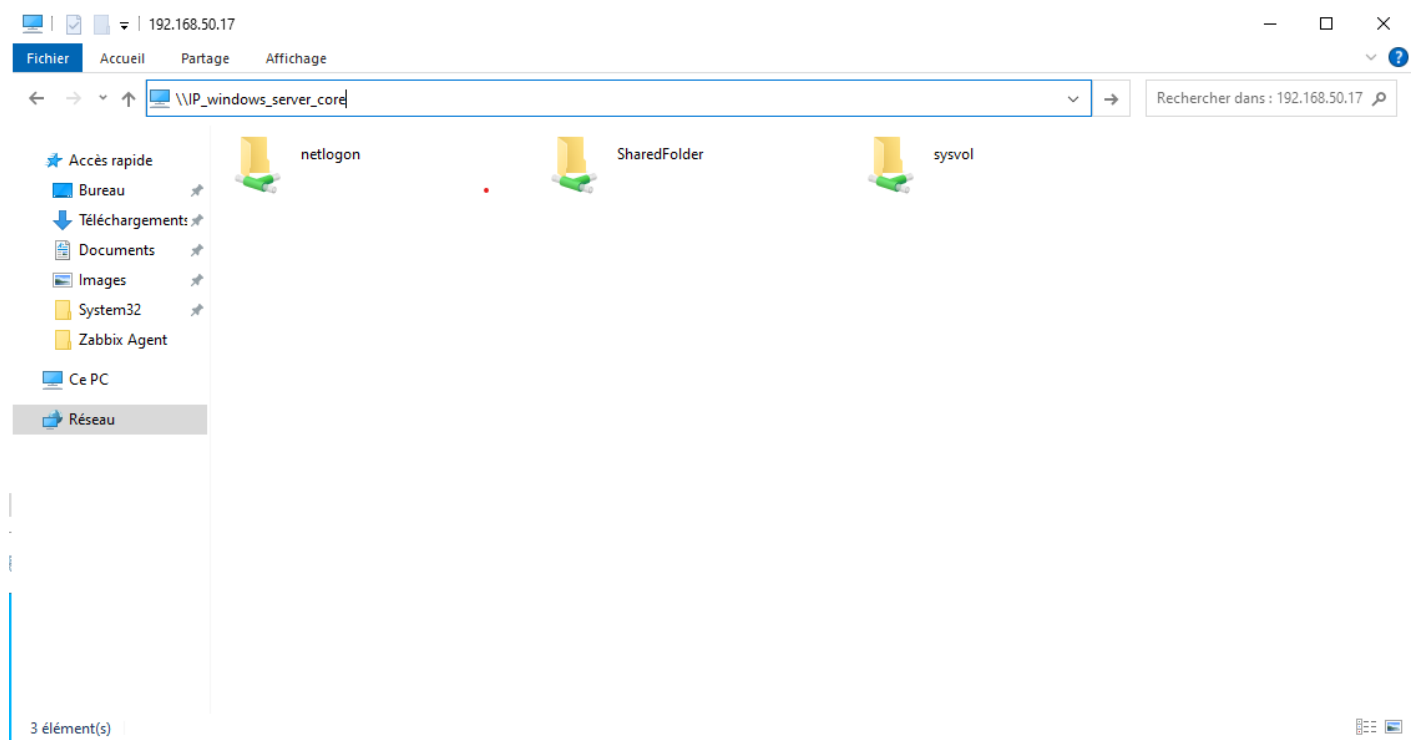
Le plus simple : créer un dossier partager et importer le fichier depuis le premier serveur AD.

- **Sur le Windows Core** (à modifier avec vos préférences):

```
New-Item "C:\SharedFolder" -itemType Directory
```

```
New-SmbShare -Name SharedFolder -Path "C:\SharedFolder" -FullAccess "Tout le monde"
```

## Depuis le ad-front-01



- **Sur Windows Core**, exécuter le package .msi et suivre l'installation. (à modifier si besoin)

```
msiexec.exe /i C:\SharedFolder\zabbix_agent-6.4.10-windows-amd64-openssl.msi
```

- Maintenant faire les modifications nécessaires sur le fichier de conf

```
notepad 'C:\Program Files\Zabbix Agent\zabbix_agentd.conf'
```

**IMPORTANT** : Le serveur de monitoring doit être renseigné avec le domaine donc : zab-front-01.megaproduction.local

- Autoriser le pare-feu de Windows à communiquer avec le serveur **A EXECUTER EN POWERSHELL**

```
netsh advfirewall firewall add rule name="ICMP Allow incoming V4 echo request"  
protocol="icmpv4:8,any" dir=in action=allow
```

```
netsh advfirewall firewall add rule name="Open Port 10050" dir=in action=allow protocol=TCP  
localport=10050
```

- Enfin redémarrer le service et vérifier si Zabbix reçoit bien les données.

```
Restart-Service 'Zabbix Agent'
```

### *Divers*

- Le fichier de log, utile pour comprendre le problème

```
notepad 'C:\Program Files\Zabbix Agent\zabbix_agentd.log'
```