

MISE EN PLACE D'UN SERVICE DE SUPERVISION

Installation de Zabbix et des agents

Nom ▲	Interface	Disponibilité	Tags	État	Dernié
SRV-DOCS	192.168.218.164:10050	ZBX	class: os target: linux	Activé	Dernié
SRV-GLPI	192.168.218.165:10050	ZBX	class: os target: linux	Activé	Dernié
Zabbix server	127.0.0.1:10050	ZBX	class: os class: software subclass: logging	Activé	Dernié

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Commandes exécutées préalablement :

```
sudo dnf update -y & sudo dnf upgrade -y
```

```
sudo firewall-cmd --add-service={http,https} --permanent  
sudo firewall-cmd --reload
```

```
sudo dnf install -y wget nano epel-release
```

I. Installation du serveur LAMP

a. Installation d'Apache

```
sudo dnf install -y httpd  
sudo systemctl enable --now httpd
```

```
[jbludoh@SRV-ZABX ~]$ sudo dnf install -y httpd  
Extra Packages for Enterprise Linux 9 - x86_64 3.9 MB/s | 20 MB 00:05  
Extra Packages for Enterprise Linux 9 openh264 875 B/s | 2.5 kB 00:02  
Dependencies resolved.  
=====
```

Package	Arch	Version	Repository	Size
Installing:				
httpd	x86_64	2.4.62-7.el9_7.3	appstream	45 k
Installing dependencies:				
apr	x86_64	1.7.0-12.el9_3	appstream	122 k
apr-util	x86_64	1.6.1-23.el9	appstream	84 k

```
=====
```

```
[jbludoh@SRV-ZABX ~]$ sudo systemctl enable --now httpd  
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.  
[jbludoh@SRV-ZABX ~]$
```

b. Installation de MariaDB

```
sudo dnf install -y mariadb-server  
sudo systemctl enable --now mariadb
```

```
[jbludoh@SRV-ZABX ~]$ sudo dnf install -y mariadb-server  
Last metadata expiration check: 0:01:54 ago on Wed Apr 8 02:41:33 2026.  
Dependencies resolved.  
=====
```

Package	Arch	Version	Repository	Size
Installing:				
mariadb-server	x86_64	3:10.5.29-3.el9_7	appstream	9.7 M
Installing dependencies:				
checkpolicy	x86_64	3.6-1.el9	appstream	352 k
mariadb	x86_64	3:10.5.29-3.el9_7	appstream	1.6 M

```
=====
```

```
[jbludoh@SRV-ZABX ~]$ sudo systemctl enable --now mariadb
Created symlink /etc/systemd/system/mysql.service → /usr/lib/systemd/system/mariadb.service.
Created symlink /etc/systemd/system/mysqld.service → /usr/lib/systemd/system/mariadb.service.
Created symlink /etc/systemd/system/multi-user.target.wants/mariadb.service → /usr/lib/systemd/system/mariadb.service.
[jbludoh@SRV-ZABX ~]$
```

```
sudo mysql_secure_installation
```

```
Switch to unix_socket authentication [Y/n] Y
Change the root password? [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
```

c. Installation de PHP

```
sudo dnf module reset -y php
sudo dnf module enable -y php:8.2
sudo dnf install -y php php-
{fpm,mysqlnd,gd,xml,bcmath,mbstring,json,opcache,sockets,gettext,ldap}
```

```
[jbludoh@SRV-ZABX ~]$ sudo dnf install -y php php-{fpm,mysqlnd,gd,xml,bcmath,mbstring,json,opcache,sockets,gettext,ldap}
Last metadata expiration check: 0:06:41 ago on Wed Apr  8 02:41:33 2026.
Dependencies resolved.
```

Package	Arch	Version	Repo	Size
Installing:				
php	x86_64	8.2.30-1.module+el9.7.0+40073+569087df	appstream	7.4 k
php-bcmath	x86_64	8.2.30-1.module+el9.7.0+40073+569087df	appstream	33 k
php-common	x86_64	8.2.30-1.module+el9.7.0+40073+569087df	appstream	708 k
php-fpm	x86_64	8.2.30-1.module+el9.7.0+40073+569087df	appstream	1.8 M

```
[jbludoh@SRV-ZABX ~]$ sudo rpm -Uvh https://repo.zabbix.com/zabbix/7.4/release/rocky/9/noarch/zabbix-release-latest-7.4.el9.noarch.rpm
Retrieving https://repo.zabbix.com/zabbix/7.4/release/rocky/9/noarch/zabbix-release-latest-7.4.el9.noarch.rpm
warning: /var/tmp/rpm-tmp.G5oGVJ: Header V4 RSA/SHA512 Signature, key ID b5333005: NOKEY
Verifying... ##### [100%]
Preparing... ##### [100%]
Updating / installing...
 1:zabbix-release-7.4-3.el9 ##### [100%]
[jbludoh@SRV-ZABX ~]$ sudo dnf clean all
41 files removed
[jbludoh@SRV-ZABX ~]$
```

II. Installation de Zabbix

a. Installation dépôt

```
sudo nano /etc/yum.repos.d/epel.repo
```

On désactive les paquets Zabbix fournis par EPEL

```
[epel]
...
excludepkgs=zabbix*
jbludoh@SRV-ZABX:~
GNU nano 5.6.1 /etc/yum.repos.d/epel.repo Modified
[epel]
name=Extra Packages for Enterprise Linux 9 - $basearch
# It is much more secure to use the metalink, but if you wish to use a local mi
# place its address here.
#baseurl=https://download.example/pub/epel/9/Everything/$basearch/
metalink=https://mirrors.fedoraproject.org/metalink?repo=epel-9&arch=$basearch&
enabled=1
gpgcheck=1
countme=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-9
excludepkgs=zabbix*
```

```
sudo rpm -Uvh https://repo.zabbix.com/zabbix/7.4/release/rocky/9/noarch/zabbix-
release-latest-7.4.el9.noarch.rpm
sudo dnf clean all
[jbludoh@SRV-ZABX ~]$ sudo rpm -Uvh https://repo.zabbix.com/zabbix/7.4/release/r
ocky/9/noarch/zabbix-release-latest-7.4.el9.noarch.rpm
Retrieving https://repo.zabbix.com/zabbix/7.4/release/rocky/9/noarch/zabbix-rele
ase-latest-7.4.el9.noarch.rpm
warning: /var/tmp/rpm-tmp.G5oGVJ: Header V4 RSA/SHA512 Signature, key ID b533300
5: NOKEY
Verifying... ##### [100%]
Preparing... ##### [100%]
Updating / installing...
 1:zabbix-release-7.4-3.el9 ##### [100%]
[jbludoh@SRV-ZABX ~]$ sudo dnf clean all
41 files removed
[jbludoh@SRV-ZABX ~]$
```

b. Installation serveur, frontend, agent 2 + plugins agent 2

```
sudo dnf install -y zabbix-{server-mysql,web-mysql,apache-conf,sql-scripts,selinux-
policy,agent2}
sudo dnf install -y zabbix-agent2-plugin-{mongodb,mssql, postgresql}
[jbludoh@SRV-ZABX ~]$ sudo dnf install -y zabbix-agent2-plugin-{mongodb,mssql,po
stgresql}
Last metadata expiration check: 0:02:04 ago on Wed Apr 8 02:52:22 2026.
Dependencies resolved.
=====
Package                Arch      Version                Repo      Size
=====
Installing:
zabbix-agent2-plugin-mongodb  x86_64   7.4.8-release1.el9   zabbix   3.7 M
zabbix-agent2-plugin-mssql    x86_64   7.4.8-release1.el9   zabbix   2.6 M
zabbix-agent2-plugin-postgresql x86_64   7.4.8-release1.el9   zabbix   3.0 M
```

c. Création base de données

```
sudo mysql -u root -p
```

```
CREATE DATABASE zabbix CHARACTER SET utf8mb4 COLLATE utf8mb4_bin;  
CREATE USER 'zabbix'@'localhost' IDENTIFIED BY 'JTBgojira59!';  
GRANT ALL PRIVILEGES ON zabbix.* TO 'zabbix'@'localhost';  
SET GLOBAL log_bin_trust_function_creators = 1;  
EXIT;
```

```
MariaDB [(none)]> CREATE DATABASE zabbix CHARACTER SET utf8mb4 COLLATE utf8mb4_bin;  
Query OK, 1 row affected (0.002 sec)  
  
MariaDB [(none)]> CREATE USER 'zabbix'@'localhost' IDENTIFIED BY 'JTBgojira59!';  
Query OK, 0 rows affected (0.003 sec)  
  
MariaDB [(none)]> GRANT ALL PRIVILEGES ON zabbix.* TO 'zabbix'@'localhost';  
Query OK, 0 rows affected (0.003 sec)  
  
MariaDB [(none)]> SET GLOBAL log_bin_trust_function_creators = 1;  
Query OK, 0 rows affected (0.001 sec)  
  
MariaDB [(none)]> EXIT;  
Bye  
[jbludoh@SRV-ZABX ~]$
```

```
sudo zcat /usr/share/zabbix/sql-scripts/mysql/server.sql.gz | mysql --default-character-set=utf8mb4 -uzabbix -p zabbix
```

```
[jbludoh@SRV-ZABX ~]$ sudo zcat /usr/share/zabbix/sql-scripts/mysql/server.sql.gz | mysql --default-character-set=utf8mb4 -uzabbix -p zabbix  
Enter password:
```

```
sudo mysql -u root -p
```

```
SET GLOBAL log_bin_trust_function_creators = 0;  
EXIT;
```

```
MariaDB [(none)]> SET GLOBAL log_bin_trust_function_creators = 0;  
Query OK, 0 rows affected (0.001 sec)  
  
MariaDB [(none)]> EXIT;  
Bye  
[jbludoh@SRV-ZABX ~]$
```

d. Configuration base de données

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

```
DBName=zabbix  
DBUser=zabbix  
DBPassword=JTBgojira59!
```

```
DBUser=zabbix

### Option: DBPassword
# Database password.
# Comment this line if no password is used.
#
# Mandatory: no
# Default:
# DBPassword=

DBPassword=JTBgojira59!
```

e. Démarrage processus Serveur + Agent

```
sudo systemctl restart zabbix-{server,agent2} httpd php-fpm
sudo systemctl enable zabbix-{server,agent2} httpd php-fpm
[jbludoh@SRV-GLPI ~]$ sudo systemctl restart zabbix-agent2
[jbludoh@SRV-GLPI ~]$ sudo firewall-cmd --permanent --add-port=10050/tcp
success
[jbludoh@SRV-GLPI ~]$ sudo firewall-cmd --reload
success
```

Création d'hotes

Nouvel hôte

[Hôte](#) [IPMI](#) [Tags](#) [Macros](#) [Inventaire](#) [Chiffrement](#) [Table de correspondance](#)

* Nom de l'hôte	<input type="text" value="SRV-DOCS"/>				
Nom visible	<input type="text" value="SRV-DOCS"/>				
Modèles	<input type="text" value="Linux by Zabbix agent X"/> <input type="button" value="Sélectionner"/> taper ici pour rechercher				
* Groupes d'hôtes	<input type="text" value="Linux servers X"/> <input type="button" value="Sélectionner"/> taper ici pour rechercher				
Interfaces	Type	adresse IP	Nom DNS	Connexion à	Port
Agent		<input type="text" value="192.168.218.164"/>	<input type="text"/>	<input checked="" type="radio"/> IP <input type="radio"/> DNS	<input type="text" value="10050"/>

Nouvel hôte

Hôte IPMI Tags Macros Inventaire Chiffrement Table de correspondance

* Nom de l'hôte	<input type="text" value="SRV-GLPI"/>				
Nom visible	<input type="text" value="SRV-GLPI"/>				
Modèles	<input type="text" value="Linux by Zabbix agent X"/> Sélectionner taper ici pour rechercher				
* Groupes d'hôtes	<input type="text" value="Linux servers X"/> Sélectionner taper ici pour rechercher				
Interfaces	Type	adresse IP	Nom DNS	Connexion à	Port
	Agent	<input type="text" value="192.168.218.165"/>	<input type="text"/>	<input checked="" type="radio" value="IP"/> <input type="radio" value="DNS"/>	<input type="text" value="10050"/>

Installation de l'agent :

```
sudo rpm -Uvh https://repo.zabbix.com/zabbix/7.4/release/rocky/9/noarch/zabbix-release-latest-7.4.el9.noarch.rpm
```

```
sudo dnf clean all
```

```
[jbludoh@SRV-DOCS ~]$ sudo rpm -Uvh https://repo.zabbix.com/zabbix/7.4/release/rocky/9/noarch/zabbix-release-latest-7.4.el9.noarch.rpm
[sudo] password for jbludoh:
Retrieving https://repo.zabbix.com/zabbix/7.4/release/rocky/9/noarch/zabbix-release-latest-7.4.el9.noarch.rpm
warning: /var/tmp/rpm-tmp.xlFloD: Header V4 RSA/SHA512 Signature, key ID b5333005: NOKEY
Verifying... ##### [100%]
Preparing... ##### [100%]
Updating / installing...
 1:zabbix-release-7.4-3.el9 ##### [100%]
[jbludoh@SRV-DOCS ~]$ sudo dnf clean all
51 files removed
[jbludoh@SRV-DOCS ~]$ █
```

```
sudo dnf install -y zabbix-agent2
```

```
sudo systemctl restart zabbix-agent2
```

```
sudo systemctl enable zabbix-agent2
```

```
sudo nano /etc/zabbix/zabbix_agent2.conf
```

```
#agent passif
```

```
server=192.168.218.163
```

```
jbludoh@SRV-GLPI:~  
GNU nano 5.6.1 /etc/zabbix/zabbix_agent2.conf  
#  
# Mandatory: no  
# Default:  
# Server=  
  
Server=192.168.218.163
```

sudo systemctl restart zabbix-agent2

sudo firewall-cmd --permanent --add-port=10050/tcp

sudo firewall-cmd --reload

```
[jbludoh@SRV-GLPI ~]$ sudo systemctl restart zabbix-agent2  
[jbludoh@SRV-GLPI ~]$ sudo firewall-cmd --permanent --add-port=10050/tcp  
success  
[jbludoh@SRV-GLPI ~]$ sudo firewall-cmd --reload  
success
```

Nom ▲	Interface	Disponibilité	Tags	État	Dernières données	Problèmes	Graphiques
SRV-DOCS	192.168.218.164:10050	ZBX	class: os target: linux	Activé	Dernières données 75	Problèmes	Graphiques 16
SRV-GLPI	192.168.218.165:10050	ZBX	class: os target: linux	Activé	Dernières données 75	Problèmes	Graphiques 16
Zabbix server	127.0.0.1:10050	ZBX	class: os class: software subclass: logging	Activé	Dernières données 160	Problèmes	Graphiques 18