

# Instalación de Zabbix

Vamos a instalar zabbix para monitorizar servidores, servicios y más.

Vamos a instalarlo en el servidor de ubuntu instalado en otro tutorial.

Realmente es muy fácil instalarlo, el mismo zabbix te da un tutorial.

[Descargar Zabbix 6.4 for Ubuntu 22.04 \(Jammy\), MySQL, Apache](#)

1 Elige tu plataforma					
VERSIÓN ZABBIX	DISTRIBUCIÓN DE SO	VERSIÓN DEL SISTEMA OPERATIVO	ZABBIX COMPONENT	BASE DE DATOS	SERVIDOR WEB
6.4	Alma Linux	22.04 (Jammy)	Server, Frontend, Agent	MySQL	Apache
6.0 LTS	CentOS	20.04 (Focal)	Proxy	PostgreSQL	Nginx
5.0 LTS	Debian	18.04 (Bionic)	Agent		
7.0 PRE-RELEASE	OpenSUSE Leap	16.04 (Xenial)	Agent 2		
	Oracle Linux	14.04 (Trusty)	Java Gateway		
	Raspberry Pi OS		Web Service		
	Red Hat Enterprise Linux				
	Rocky Linux				
	SUSE Linux Enterprise Server				
	Ubuntu				
	Ubuntu (arm64)				

Después de elegir todo lo que queremos o como lo queremos bajamos de este paso 1 y comenzamos con la instalación.

Utilizamos los siguientes comandos para descargar e instalar zabbix.

```
'wget https://repo.zabbix.com/zabbix/6.4/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.4-1+ubuntu22.04_all.deb'
```

```
yoda@elvigilante:~$ sudo wget https://repo.zabbix.com/zabbix/6.4/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.4-1+ubuntu22.04_all.deb
[sudo] password for yoda:
--2023-12-07 17:33:07--  https://repo.zabbix.com/zabbix/6.4/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.4-1+ubuntu22.04_all.deb
Resolving repo.zabbix.com (repo.zabbix.com)... 2604:a880:2:d0::2062:d001, 178.128.6.101
Connecting to repo.zabbix.com (repo.zabbix.com)|2604:a880:2:d0::2062:d001|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3744 (3,7K) [application/octet-stream]
Saving to: 'zabbix-release_6.4-1+ubuntu22.04_all.deb'

zabbix-release_6.4-1+ubuntu22 100%[=====] 3,66K --.-KB/s   in 0s

2023-12-07 17:33:08 (867 MB/s) - 'zabbix-release_6.4-1+ubuntu22.04_all.deb' saved [3744/3744]

yoda@elvigilante:~$
```

```
'sudo dpkg -i zabbix-release_6.4-1+ubuntu22.04_all.deb'
```

```
yoda@elvigilante:~$ sudo dpkg -i zabbix-release_6.4-1+ubuntu22.04_all.deb
Seleccionando el paquete zabbix-release previamente no seleccionado.
(Leyendo la base de datos ... 74415 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar zabbix-release_6.4-1+ubuntu22.04_all.deb ...
Desempaquetando zabbix-release (1:6.4-1+ubuntu22.04) ...
Configurando zabbix-release (1:6.4-1+ubuntu22.04) ...
```

ES NECESARIO TENER APACHE Y MYSQL/MARIADB INSTALADO, TE DEJO DOS TUTORIALES PARA INSTALAR Y CONFIGURAR ESTOS DOS SERVICIOS, SI YA LOS TIENES PUEDES SEGUIR.

APACHE --> [Instalación de Apache | WiKasa](#)

MariaDB --> [Instalación de MariaDB | WiKasa](#)

Después de tener apache y MariaDB, podemos seguir con zabbix.

Lo instalamos con el siguiente comando.

```
'sudo apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf zabbix-sql-scripts zabbix-agent'
```

```
yoda@elvigilante:~$ sudo apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf zabbix-sql-scripts zabbix-agent
[sudo] password for yoda:
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  fonts-dejavu fonts-dejavu-extra fping libevent-pthreads-2.1-7 libltdl7 libmodbus5 libodbc2 libopenipmi0 libsensors-config libsensors5 liben
Paquetes sugeridos:
  odbc-postgresql tdsodbc lm-sensors snmp-mibs-downloader snmptrapd zabbix-nginx-conf
Se instalarán los siguientes paquetes NUEVOS:
  fonts-dejavu fonts-dejavu-extra fping libevent-pthreads-2.1-7 libltdl7 libmodbus5 libodbc2 libopenipmi0 libsensors-config libsensors5 libsn
zabbix-sql-scripts
0 actualizados, 23 nuevos se instalarán, 0 para eliminar y 0 no actualizados.
Se necesita descargar 21,0 MB de archivos.
Se utilizarán 71,2 MB de espacio de disco adicional después de esta operación.
¿Desea continuar? [S/n] S
Des:1 http://es.archive.ubuntu.com/ubuntu jammy/main amd64 libsensors-config all 1:3.6.0-7ubuntul [5,274 B]
Des:2 http://es.archive.ubuntu.com/ubuntu jammy/main amd64 libsensors5 amd64 1:3.6.0-7ubuntul [26,3 kB]
Des:3 http://es.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsnmp-base all 5.9.1+dfsg-lubuntul2.6 [201 kB]
Des:4 http://es.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsnmp40 amd64 5.9.1+dfsg-lubuntul2.6 [1,070 kB]
```

Ahora tenemos que crear una base de datos para zabbix, en este caso vamos a hacerlo por comandos como indica el manual de zabbix, aunque se podría hacer por PHPMYADMIN.

```
'# mysql -u root -p'  
'create database zabbix character set utf8mb4 collate utf8mb4_bin;'  
'create user zabbix@localhost identified by 'password';'  
'grant all privileges on zabbix.* to zabbix@localhost;'  
'set global log_bin_trust_function_creators = 1;'  
'exit;'  
  
yoda@elvigilante:~$ sudo mysql -u root -p  
Enter password:  
Welcome to the MariaDB monitor. Commands end with ; or \g.  
Your MariaDB connection id is 31  
Server version: 10.6.12-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04  
  
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
MariaDB [(none)]> create database zabbix character set utf8mb4 collate utf8mb4_bin;  
Query OK, 1 row affected (0,001 sec)  
  
MariaDB [(none)]> create user zabbix@localhost identified by 'ABC.123';  
Query OK, 0 rows affected (0,028 sec)  
  
MariaDB [(none)]> grant all privileges on zabbix.* to zabbix@localhost;  
Query OK, 0 rows affected (0,006 sec)  
  
MariaDB [(none)]> set global log_bin_trust_function_creators = 1;  
Query OK, 0 rows affected (0,000 sec)  
  
MariaDB [(none)]> EXIT;  
Bye  
yoda@elvigilante:~$ █
```

Ahora importamos el esquema de zabbix, te pedirá la contraseña del usuario creado en la base de datos.

```
'sudo zcat /usr/share/zabbix-sql-scripts/mysql/server.sql.gz | mysql --default-character-set=utf8mb4 -uzabbix -p zabbix'  
  
yoda@elvigilante:~$ sudo zcat /usr/share/zabbix-sql-scripts/mysql/server.sql.gz | mysql --default-character-set=utf8mb4 -uzabbix -p zabbix  
Enter password:  
yoda@elvigilante:~$ █  
yoda@elvigilante:~$ █
```

Después desactivamos una de las opciones activadas antes para importar el esquema.

```
'sudo mysql -u root -p'  
'set global log_bin_trust_function_creators = 0;'  
'quit;'
```

```
yoda@elvigilante:~$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 33
Server version: 10.6.12-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> set global log_bin_trust_function_creators = 0;
Query OK, 0 rows affected (0,000 sec)

MariaDB [(none)]> exit;
Bye
yoda@elvigilante:~$
```

Ahora tenemos que editar un archivo de zabbix para indicarle la contraseña al usuario de zabbix en la base de datos.

Editamos el archivo /etc/zabbix/zabbix\_server.conf y buscamos el siguiente apartado.

```
# Mandatory: no
# Default:
DBPassword=ABC.123

### Option: DBSocket
```

Ahora reiniciamos los servicios de zabbix y apache, los activamos y echamos un vistazo al estado para que este todo verde.

```
'sudo systemctl restart zabbix-server zabbix-agent apache2'
```

```
yoda@elvigilante:~$ sudo systemctl restart zabbix-server zabbix-agent apache2
yoda@elvigilante:~$
```

```
'sudo systemctl enable zabbix-server zabbix-agent apache2'
```

```
yoda@elvigilante:~$ sudo systemctl enable zabbix-server zabbix-agent apache2
Synchronizing state of zabbix-server.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable zabbix-server
Synchronizing state of zabbix-agent.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable zabbix-agent
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
Created symlink /etc/systemd/system/multi-user.target.wants/zabbix-server.service → /lib/systemd/system/zabbix-server.service.
yoda@elvigilante:~$
```

```
'sudo systemctl status zabbix-server zabbix-agent apache2'
```

```

● zabbix-server.service - Zabbix Server
   Loaded: loaded (/lib/systemd/system/zabbix-server.service; disabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-12-08 12:42:30 UTC; 5s ago
     Process: 2455 ExecStart=/usr/sbin/zabbix_server -c $CONFFILE (code=exited, status=0/SUCCESS)
    Main PID: 2475 (zabbix server)
      Tasks: 48 (limit: 9391)
        Memory: 52.5M
         CPU: 305ms
        CGroup: /system.slice/zabbix-server.service
           ├─2475 /usr/sbin/zabbix_server -c /etc/zabbix/zabbix_server.conf
           ├─2487 "/usr/sbin/zabbix_server: ha manager" " " " " " " " " " " "
           ├─2488 "/usr/sbin/zabbix_server: service manager #1 [processed 0 events, updated 0 event tags, deleted 0 problems, synced 0 service updates, idle 5.013670 sec during 5.207507 sec]"
           ├─2489 "/usr/sbin/zabbix_server: configuration syncer [synced 0 configuration in 0.008131 sec, idle 10 sec]"
           ├─2490 "/usr/sbin/zabbix_server: alert manager #1 [sent 0 alerts, fired 0 alerts, idle 5.013779 sec during 5.094821 sec]"
           ├─2493 "/usr/sbin/zabbix_server: alerter #1 started" " " " " " " " " "
           ├─2494 "/usr/sbin/zabbix_server: alerter #2 started" " " " " " " " " "
           ├─2495 "/usr/sbin/zabbix_server: alerter #3 started" " " " " " " " " "
           ├─2496 "/usr/sbin/zabbix_server: preprocessing manager #1 started"
           ├─2497 "/usr/sbin/zabbix_server: lld manager #1 [processed 0 LLD rules, idle 5.032292 sec during 5.032498 sec]"
           ├─2498 "/usr/sbin/zabbix_server: lld worker #1 started" " " " " " " " " "
           ├─2499 "/usr/sbin/zabbix_server: lld worker #2 started" " " " " " " " " "
           ├─2501 "/usr/sbin/zabbix_server: housekeeper [startup idle for 30 minutes]"
           ├─2502 "/usr/sbin/zabbix_server: timer #1 [updated 0 hosts, suppressed 0 events in 0.028119 sec, idle 28 sec]"
           ├─2507 "/usr/sbin/zabbix_server: http poller #1 [got 0 values in 0.000066 sec, idle 5 sec]"
           ├─2509 "/usr/sbin/zabbix_server: discoverer #1 [processed 0 rules in 0.010053 sec, idle 60 sec]"
           ├─2510 "/usr/sbin/zabbix_server: history syncer #1 [processed 2 values, 2 triggers in 0.004730 sec, idle 1 sec]"
           ├─2511 "/usr/sbin/zabbix_server: history syncer #2 [processed 0 values, 0 triggers in 0.000023 sec, idle 1 sec]"
           ├─2513 "/usr/sbin/zabbix_server: history syncer #3 [processed 0 values, 0 triggers in 0.000020 sec, idle 1 sec]"
           ├─2516 "/usr/sbin/zabbix_server: history syncer #4 [processed 0 values, 0 triggers in 0.000020 sec, idle 1 sec]"
           ├─2519 "/usr/sbin/zabbix_server: processor #1 [processed 0 calculations in 0.001386 sec, idle 3 sec]"
           ├─2520 "/usr/sbin/zabbix_server: processor poller #1 [exchanged data with 0 processes in 0.000066 sec, idle 5 sec]"
           ├─2521 "/usr/sbin/zabbix_server: self-monitoring [processed data in 0.000025 sec, idle 1 sec]"
           ├─2522 "/usr/sbin/zabbix_server: task manager [processed 0 tasks in 0.042746 sec, idle 5 sec]"
           ├─2523 "/usr/sbin/zabbix_server: poller #1 [got 2 values in 0.000126 sec, idle 1 sec]"
           ├─2524 "/usr/sbin/zabbix_server: poller #2 [got 0 values in 0.000017 sec, idle 1 sec]"
           ├─2524 "/usr/sbin/zabbix_server: poller #3 [got 0 values in 0.000023 sec, idle 1 sec]"
           ├─2529 "/usr/sbin/zabbix_server: poller #4 [got 0 values in 0.000018 sec, idle 1 sec]"
           ├─2530 "/usr/sbin/zabbix_server: poller #5 [got 0 values in 0.000026 sec, idle 1 sec]"
           ├─2531 "/usr/sbin/zabbix_server: unreachable poller #1 [got 0 values in 0.000051 sec, idle 5 sec]"
           ├─2532 "/usr/sbin/zabbix_server: trapper #1 [processed data in 0.000000 sec, waiting for connection]"
           ├─2533 "/usr/sbin/zabbix_server: trapper #2 [processed data in 0.000000 sec, waiting for connection]"
           ├─2534 "/usr/sbin/zabbix_server: trapper #3 [processed data in 0.000000 sec, waiting for connection]"
           ├─2535 "/usr/sbin/zabbix_server: trapper #4 [processed data in 0.000000 sec, waiting for connection]"
           ├─2536 "/usr/sbin/zabbix_server: trapper #5 [processed data in 0.000000 sec, waiting for connection]"
           ├─2538 "/usr/sbin/zabbix_server: icmp pinger #1 [got 0 values in 0.000000 sec, flushed 0 results(s), idle 5 sec]"
           ├─2539 "/usr/sbin/zabbix_server: history syncer #1 [queued 0 alerts(s), flushed 0 results(s), 0.0000780 sec, idle 1 sec]"
           ├─2540 "/usr/sbin/zabbix_server: history poller #1 [got 0 values in 0.000051 sec, idle 5 sec]"
           ├─2541 "/usr/sbin/zabbix_server: history poller #2 [got 0 values in 0.000062 sec, idle 5 sec]"
           ├─2542 "/usr/sbin/zabbix_server: history poller #3 [got 0 values in 0.000062 sec, idle 5 sec]"
           ├─2543 "/usr/sbin/zabbix_server: history poller #4 [got 0 values in 0.000066 sec, idle 5 sec]"
           ├─2544 "/usr/sbin/zabbix_server: history poller #5 [got 0 values in 0.000128 sec, idle 5 sec]"
           ├─2545 "/usr/sbin/zabbix_server: availability manager #1 [queued 0, processed 0 values, idle 5.009477 sec during 5.013421 sec]"
           ├─2546 "/usr/sbin/zabbix_server: trigger housekeeper [startup idle for 60 second(s)]"
           └─2550 "/usr/sbin/zabbix_server: odbc poller #1 [got 0 values in 0.000130 sec, idle 5 sec]"

dic 08 12:42:30 elvigilante systemd[1]: Starting Zabbix Server...
dic 08 12:42:30 elvigilante systemd[1]: Started Zabbix Server.

● zabbix-agent.service - Zabbix Agent
   Loaded: loaded (/lib/systemd/system/zabbix-agent.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-12-08 12:42:30 UTC; 5s ago
     Process: 2455 ExecStart=/usr/sbin/zabbix_agentd -c $CONFFILE (code=exited, status=0/SUCCESS)
    Main PID: 2462 (zabbix agentd)
      Tasks: 6 (limit: 9391)
        Memory: 6.0M
         CPU: 39ms
        CGroup: /system.slice/zabbix-agent.service
           ├─2462 /usr/sbin/zabbix agentd -c /etc/zabbix/zabbix_agentd.conf
           ├─2463 "/usr/sbin/zabbix agentd: collector [idle 1 sec]" " " " " " " "
           ├─2464 "/usr/sbin/zabbix agentd: listener #1 [waiting for connection]"
           ├─2465 "/usr/sbin/zabbix agentd: listener #2 [waiting for connection]"
           ├─2466 "/usr/sbin/zabbix agentd: listener #3 [waiting for connection]"
           └─2467 "/usr/sbin/zabbix agentd: active checks #1 [idle 1 sec]" " " " "

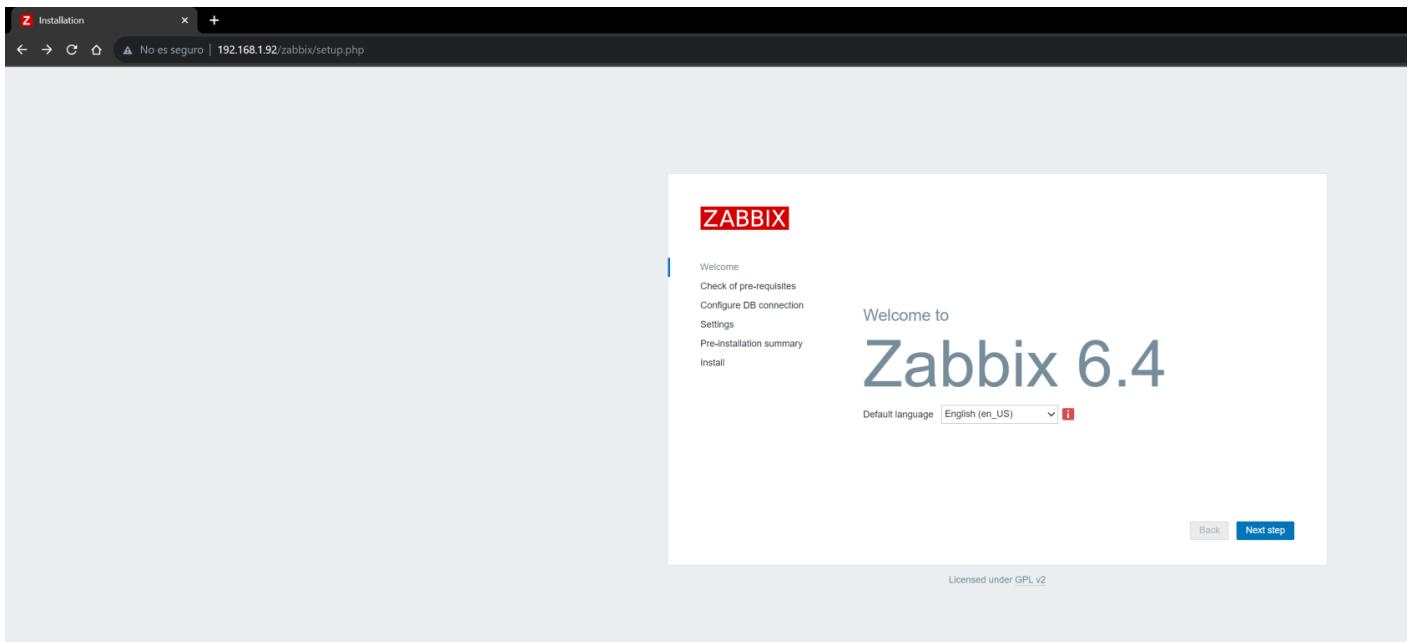
dic 08 12:42:30 elvigilante systemd[1]: Stopping Zabbix Agent...
dic 08 12:42:30 elvigilante systemd[1]: zabbix-agent.service: Deactivated successfully.
dic 08 12:42:30 elvigilante systemd[1]: Stopped Zabbix Agent.
dic 08 12:42:30 elvigilante systemd[1]: Starting Zabbix Agent...
dic 08 12:42:30 elvigilante systemd[1]: Started Zabbix Agent.

● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-12-08 12:42:30 UTC; 5s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 2473 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 2479 (apache2)
      Tasks: 6 (limit: 9391)
        Memory: 13.0M
         CPU: 94ms
        CGroup: /system.slice/apache2.service
           ├─2479 /usr/sbin/apache2 -k start
           ├─2480 /usr/sbin/apache2 -k start

```

Lines 1-92

Ahora accedemos con la IP del servidor con /zabbix al final --> <http://192.168.1.92/zabbix>



Seguimos y vemos los requisitos para hacerlo funcionar, en mi caso todo esta ok.

A screenshot of the Zabbix 6.4 pre-requisites check screen. The title bar says "ZABBIX". The main content area has a red header "Check of pre-requisites". On the left is a sidebar with links: Welcome, Check of pre-requisites, Configure DB connection, Settings, Pre-installation summary, and Install. The main content area displays a table of PHP configuration settings with columns for "Current value", "Required", and a status column. All entries are marked as "OK".

	Current value	Required
PHP version	8.1.2-1ubuntu2.14	7.4.0
PHP option "memory_limit"	128M	128M
PHP option "post_max_size"	16M	16M
PHP option "upload_max_filesize"	2M	2M
PHP option "max_execution_time"	300	300
PHP option "max_input_time"	300	300
PHP databases support	MySQL	OK
PHP bcmath	on	OK
PHP mbstring	on	OK
PHP option "mbstring.func_overload"	off	OK

At the bottom are "Back" and "Next step" buttons, and a note "Licensed under GPL v2".

Indicamos los datos de la base de datos.



## Configure DB connection

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

Welcome  
Check of pre-requisites  
Configure DB connection  
Settings  
Pre-installation summary  
Install

Database type

Database host

Database port  0 - use default port

Database name

Store credentials in

User

Password

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

[Back](#)

[Next step](#)

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Indicamos las siguientes opciones, el nombre del servidor de zabbix poner el mismo que el de ubuntu.



## Settings

Welcome  
Check of pre-requisites  
Configure DB connection  
Settings  
Pre-installation summary  
Install

Zabbix server name

Default time zone

Default theme

[Back](#)

[Next step](#)

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Te hace un resumen y te dirá que esta todo ok.

**ZABBIX**

## Pre-installation summary

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

Welcome	Database type	MySQL
Check of pre-requisites	Database server	localhost
Configure DB connection	Database port	default
Settings	Database name	zabbix
Pre-installation summary	Database user	zabbix
Install	Database password	*****
	Database TLS encryption	false
	Zabbix server name	elvigilante

[Back](#) [Next step](#)

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**ZABBIX**

## Install

Welcome  
Check of pre-requisites  
Configure DB connection  
Settings  
Pre-installation summary  
Install

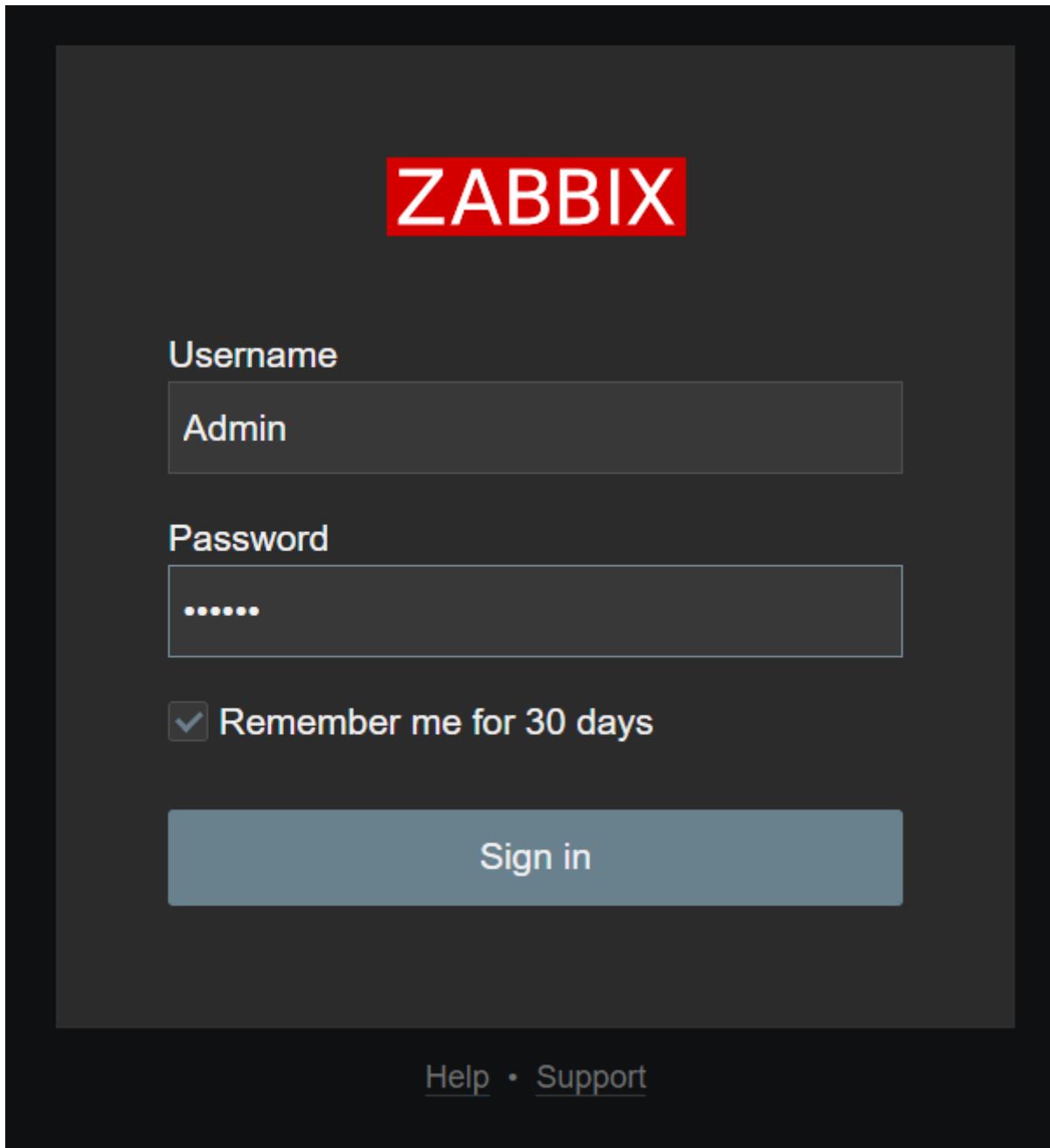
**Congratulations! You have successfully installed Zabbix frontend.**

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

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

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Ahora entramos con usuario 'Admin' y contraseña 'zabbix'



Y ya estaríamos dentro.

Z elvignante: Dashboard

No es seguro | 192.168.1.92/zabbix/zabbix.php?action=dashboard.view

### ZABBIX

elvignante

Global view

**Hosts**

- Dashboards
- Monitoring
- Services
- Inventory
- Reports
- Data collection
- Alerts
- Users
- Administration

All dashboards / Global view

**Top hosts by CPU utilization**

**Zabbix server**

Utilization	1m avg	5m avg	15m avg	Processes
79.7%	0.00	0.07	0.12	189

**Host availability**

**Problems by severity**

**Current problems**

**System information**

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled)	1 / 0	
Number of templates	297	
Last check of item /zabbix/redis/redischeck as immediate	15s ago	192.168.1.92

**Geomap**

## Revision #4

Created 7 December 2023 18:25:55 by Yoda  
Updated 8 December 2023 13:52:45 by Yoda