

How to Install Zabbix On Ubuntu?

written by sysadmin | 13 October 2025

Zabbix is an open-source software tool to monitor IT infrastructure such as networks, servers, virtual machines, and cloud services.

Problem

How to install Zabbix in Ubuntu?

Solution

Zabbix was first released in 2001, and as of this writing in October 2025, Zabbix has version 7.4. This article will explain how to install Zabbix on an Ubuntu server by using MariaDB and Apache databases.

A. Install Zabbix

Run the commands below to install Zabbix on Ubuntu:

```
wget
https://repo.zabbix.com/zabbix/7.4/release/ubuntu/pool/main/z/zabbix-release/
zabbix-release_latest_7.4+ubuntu24.04_all.deb
sudo dpkg -i zabbix-release_latest_7.4+ubuntu24.04_all.deb
sudo apt update
sudo apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf
zabbix-sql-scripts zabbix-agent
```

B. Database Configuration

If your Ubuntu doesn't have a database, then you can use the MariaDB database by using the command:

```
sudo apt install mariadb-server
```

Then, create a password for root in MariaDB using the command:

```
sudo mariadb-secure-installation
```

After that, enter MariaDB using the command:

```
sudo mariadb -uroot -p
```

Run the commands below (change the **password** to what you want):

```
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;  
quit;
```

Run the command below to import the initial schema and data, and enter the password you created when you created the Zabbix database in MariaDB:

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

Then log in to MariaDB again using the command:

```
sudo mariadb -uroot -p
```

Run the command below to disable the `log_bin_trust_function_creators` option after importing the database schema.

```
set global log_bin_trust_function_creators = 0;  
quit;
```

C. Configure the Zabbix file

After that, you will configure the zabbix file located in `/etc/zabbix/zabbix_server.conf`. It's better if you copy the original file as a backup by running the command below:

```
sudo cp /etc/zabbix/zabbix_server.conf /etc/zabbix/zabbix_server.conf.ori
```

Fill in the DBPassword section of the file with the password you created for the Zabbix user, so that it is as follows:

```
sysadmin@ubuntu2404:~$ sudo grep -v "#" /etc/zabbix/zabbix_server.conf | grep -v '^$'
LogFile=/var/log/zabbix/zabbix_server.log
LogFileSize=0
PidFile=/run/zabbix/zabbix_server.pid
SocketDir=/run/zabbix
DBName=zabbix
DBUser=zabbix
DBPassword=password
SNMPTrapperFile=/var/log/snmptrap/snmptrap.log
Timeout=4
FpingLocation=/usr/bin/fping
Fping6Location=/usr/bin/fping6
LogSlowQueries=3000
StatsAllowedIP=127.0.0.1

EnableGlobalScripts=0
Include=/etc/zabbix/zabbix_server.d/*.conf
sysadmin@ubuntu2404:~$
```

Configuration on zabbix_server.conf file

Then run the two commands below:

```
systemctl restart zabbix-server zabbix-agent apache2
systemctl enable zabbix-server zabbix-agent apache2
```

D. Configure Zabbix

Open your browser and type in the URL below:

```
http://your_ip_server/zabbix
```


Then there will be a display like the image below:

ZABBIX

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

Welcome to

Zabbix 7.4

Default language 

Back

Next step



Configure Zabbix using your browser

Click the **Next step** button, and a display similar to the picture below will be present:

ZABBIX

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

Check of pre-requisites

	Current value	Required	
PHP version	8.3.6	8.0.0	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 databases support	MySQL		OK
PHP bcmath	on		OK
PHP mbstring	on		OK
PHP option "mbstring.func_overload"	off	off	OK

Back

Next step



Checking of pre-requisites

Make sure there is no error like in the image above. After that, click the **Next step** button, and there will be a screen similar to the one below:

ZABBIX

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:

Store credentials in: Plain text HashiCorp Vault CyberArk Vault

User:

Password:

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

Enter the password of MariaDB

Enter your database password using the Zabbix user, click the **Next step** button, and a screen similar to the one below will be presented:

ZABBIX

Settings

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

Zabbix server name

Default time zone

Default theme

Encrypt connections from Web interface

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



Enter the server name of Zabbix

Enter the name of the Zabbix server you want, click the **Next step** button, and there will be a display like the image below:

ZABBIX

Pre-installation summary

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

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

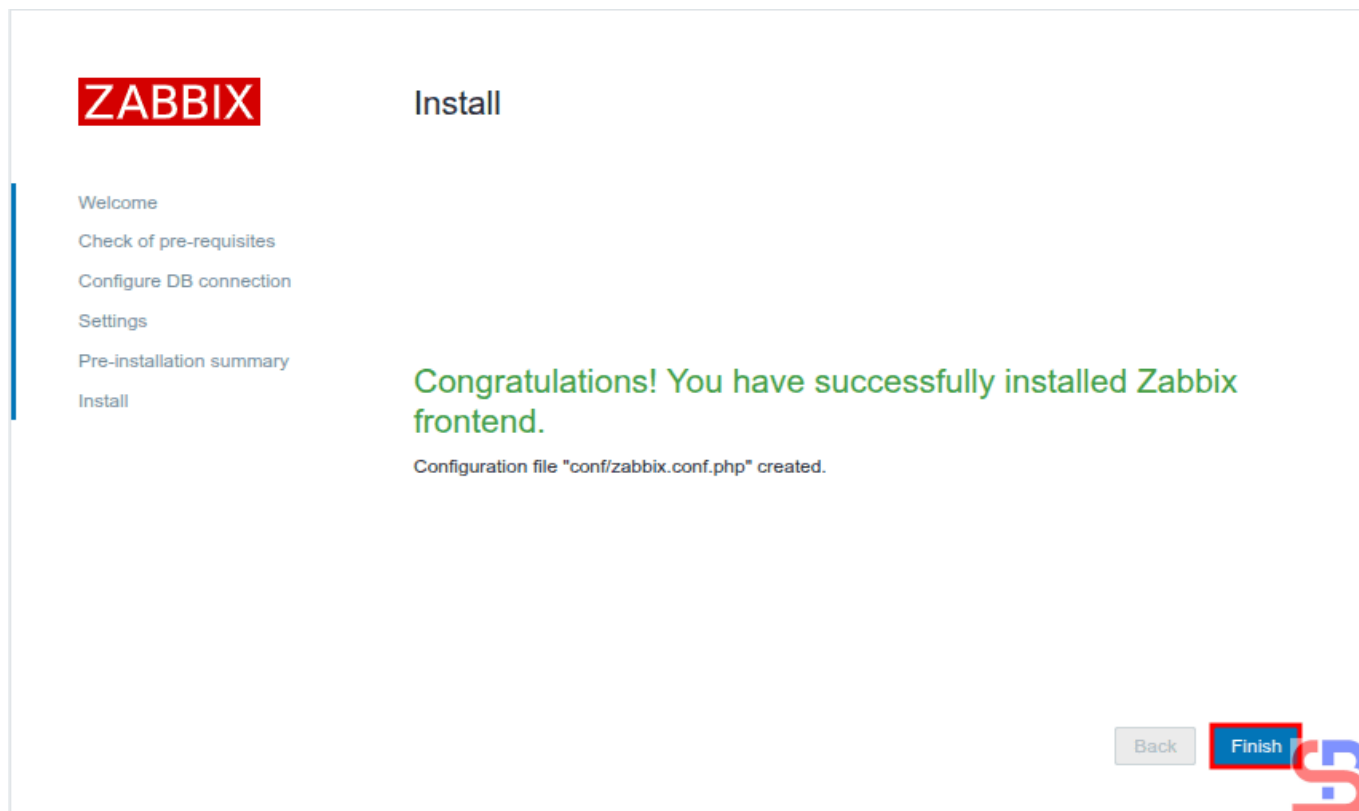
Database type	MySQL
Database server	localhost
Database port	default
Database name	zabbix
Database user	zabbix
Database password	*****
Database TLS encryption	false
Zabbix server name	zabbix
Encrypt connections from Web interface	false

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Pre-installation summary

Click the **Next step** button, and there will be a display similar to the image shown below.



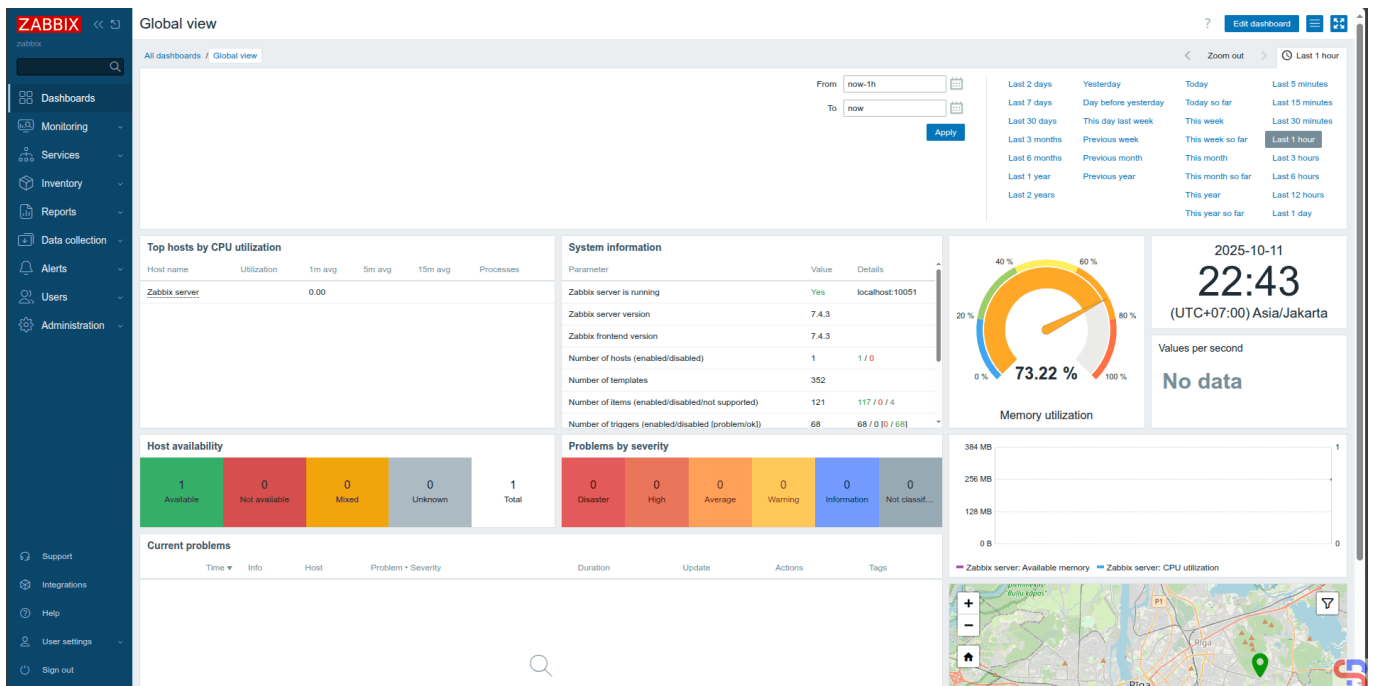
Finish installation

Click the **Finish** button, and a screen like the one shown below will appear.



Enter the username and password of Zabbix

For your information, the initial username for Zabbix is **Admin** and the initial password is **zabbix**. After you enter the username and password, click the Sign in button, and there will be a display like the image below:



The initial display of Zabbix

You have successfully installed the Zabbix application on

your Ubuntu server.

Note

To install Zabbix on a different operating system, you can go to [this page](#) to see how to install Zabbix on your server.

References

en.wikipedia.org

zabbix.com

medium.com