

# Installation and Configuration of Zabbix 6.0 on Ubuntu 22.04

**Before installing Zabbix you need to install MySQL on the Ubuntu 22.04**

**Follow the instructions and use the commands given below on the terminal of Ubuntu 22.04**

## 1. Install Apache

```
sudo apt install apache2
```

## 2. Install PHP and other extensions:

```
sudo apt install php  
php-{cgi,common,mbstring,net-socket,gd,xml-util,mysql,bcmath,  
imap,snmp}
```

```
sudo apt install libapache2-mod-php
```

## 3. Install Zabbix repository:

```
wget  
https://repo.zabbix.com/zabbix/6.0/ubuntu/pool/main/z/zabbix-  
release/zabbix-release\_6.0-4+ubuntu22.04\_all.deb
```

```
sudo dpkg -i zabbix-release_6.0-4+ubuntu22.04_all.deb
```

```
sudo apt update
```

## 4. Install Zabbix server, frontend, agent:

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

## 5. Create initial database in MySQL:

```
mysql -uroot -p
```

### Then run following commands in MySQL:

```
create database zabbix character set utf8mb4 collate  
utf8mb4_bin;
```

```
create user zabbix@localhost identified by  
'your_zabbix_password';
```

```
grant all privileges on zabbix.* to zabbix@localhost;
```

```
set global log_bin_trust_function_creators = 1;
```

```
Quit;
```

### Now run the command:

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

**Enter the password for the zabbix MySQL user that you configured when prompted.**

**Disable log\_bin\_trust\_function\_creators option after importing database schema.**

```
mysql -uroot -p
```

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

```
Quit;
```

## 6. Configure the database for Zabbix server

**Edit file /etc/zabbix/zabbix\_server.conf**

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

```
DBPassword="zabbix_mysql_user_password_here"
```

**save it.**

### **7. Start Zabbix server and agent processes and make it start at system boot.**

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

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

## **Configure web frontend for Zabbix:**

**Now Open Zabbix UI Web page:**

**Hostname of Ubuntu machine or IP of Ubuntu machine:**

```
http://host/zabbix
```

**Connect to our newly installed Zabbix frontend using the above URL**

### **1. On terminal type hostname:**

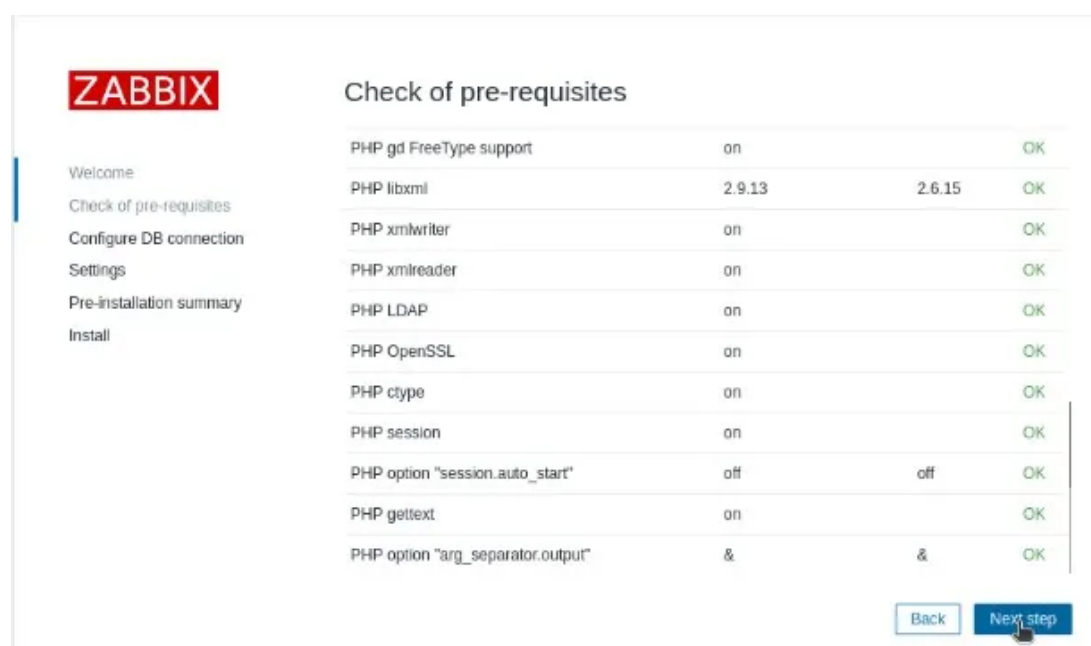
You will get the hostname

### **2. Now type the URL in the browser:**

```
http://your_hostname/zabbix
```



Now, click on the Next step



Click on Next



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

## 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

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](#)

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

## Settings

Zabbix server name

Default time zone

Default theme

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

**Provide Zabbix server name(i.e. hostname) and click on next.**

ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Settings

Pre-installation summary

Install

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

default

Database name

zabbix

Database user

zabbix

Database password

\*\*\*\*\*

Database TLS encryption

false

Zabbix server name

ub2202

Back

Next step

Review the summary and click on next.

ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Settings

Pre-installation summary

Install

Install

Congratulations! You have successfully installed Zabbix frontend.

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

Back

Finish

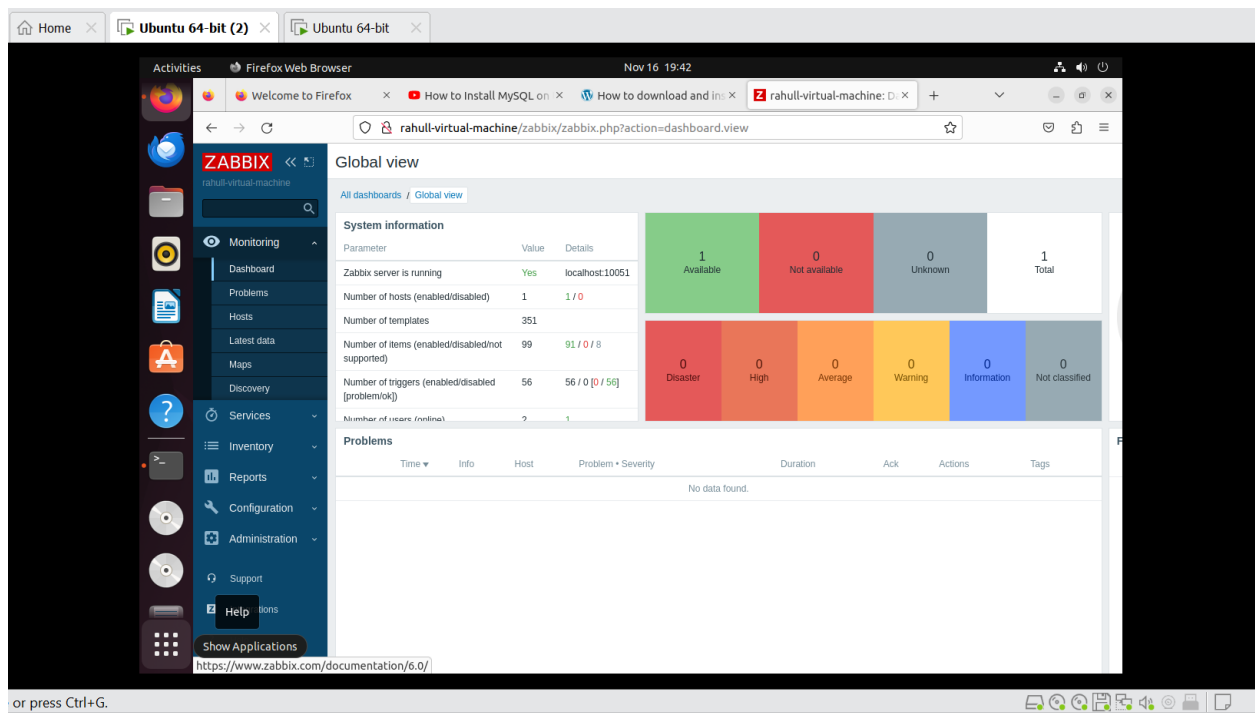
We have successfully configured. Click on Finish.

Then, provide username and password:



A screenshot of the Zabbix login interface. On the left, a red callout box contains the text: "user name: Admin Password: zabbix". To the right, the login form has a "ZABBIX" logo at the top. Below it are fields for "Username" (containing "Admin") and "Password" (containing "\*\*\*\*\*"). There is a checkbox labeled "Remember me for 30 days" which is checked. At the bottom is a blue "Sign in" button.

Now, we will be directed to the Zabbix dashboard.



A screenshot of the Zabbix dashboard as seen in a web browser. The browser window shows the URL "rahul-virtual-machine/zabbix/zabbix.php?action=dashboard.view". The dashboard has a dark sidebar on the left with various menu items like Monitoring, Dashboard, Problems, Hosts, etc. The main content area is titled "Global view" and contains a "System information" table and a "Problems" section.

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled)	1	1 / 0
Number of templates	351	
Number of items (enabled/disabled/not supported)	99	91 / 0 / 8
Number of triggers (enabled/disabled [problem/ok])	56	56 / 0 [0 / 56]
Number of users (online)	2	1

Summary statistics:

- 1 Available, 0 Not available, 0 Unknown, 1 Total
- 0 Disaster, 0 High, 0 Average, 0 Warning, 0 Information, 0 Not classified

The "Problems" section shows a table with columns: Time, Info, Host, Problem • Severity, Duration, Ack, Actions, Tags. It currently displays "No data found."