# Zabbix Server

# ****Zabbix**** is an open source software for networks and application monitoring.

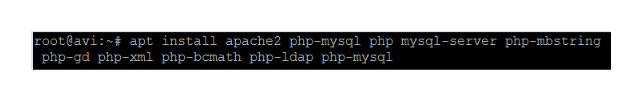
# Zabbix includes support for monitoring via SNMP, TCP and ICMP checks.

# Zabbix provides agents to monitor remote hosts.

## 

## Step 1 – Install Apache, MySQL and PHP And Make Entry In /etc/hosts

* **You must have a LAMP environment on your server to use Zabbix.**
* **Install Apache, MySQL, and PHP using these Commands on Your Linux terminal :**
* **apt install apache2 php-mysql php mysql-server**
* **apt install php-mbstring php-gd php-xml php-bcmath php-ldap php-mysql**
* **apt-get install zabbix-server-mysql**
* **vi /etc/hosts**
* **192.168.72.69 zabbix.server server**
* **192.168.72.68 agent.zabbix agent**

****

# Update time-zone in php configuration file /etc/php/PHP\_VERSION/apache2/php.ini. Like below:

# vi /etc/php/7.2/apache2/php.ini

# ;date.timezone = Asia/Kolkata

# C:\Users\MITUSER\Documents\aisa.png

## Step 2 – Enable Required Apt Repository

# Before installing Zabbix first configure Zabbix package repository in your system using following commands.

* wget https://repo.zabbix.com/zabbix/4.2/ubuntu/pool/main/z/zabbix-release/zabbix-release\_4.2-1+bionic\_all.deb
* dpkg -i zabbix-release\_4.2-1+bionic\_all.deb

# 

## Step 3 – Install Zabbix Server

* Now Install Zabbix Server
* zabbix-server-mysql package includes Zabbix server with MySQL support.
* The zabbix-frontend-php package provides and web interface is written in PHP for the Zabbix server management
* apt-get install zabbix-server-mysql zabbix-frontend-php zabbix-agent
* apt install zabbix-agent -y

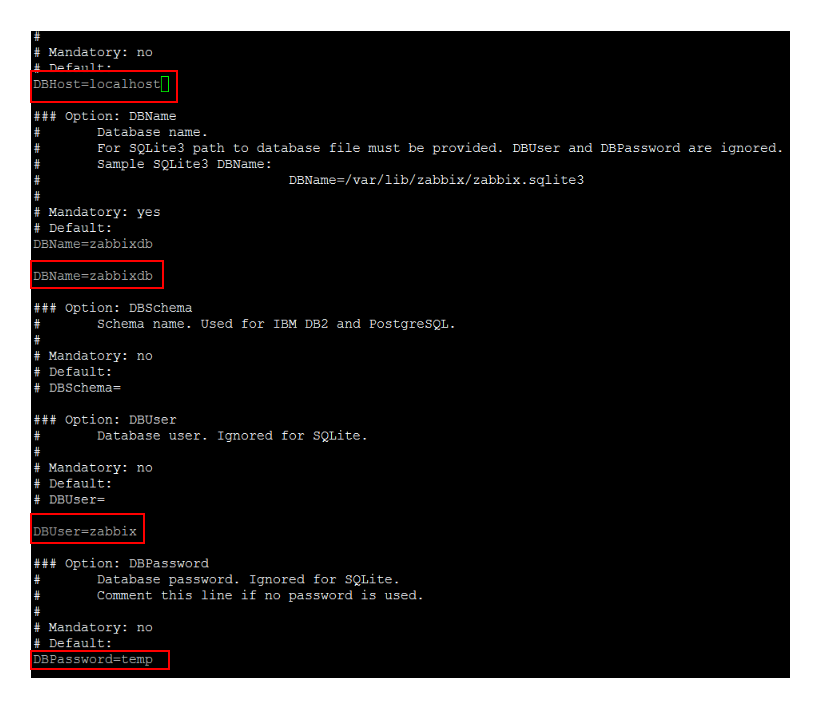
## Step 4 – Create Database Schema

* **Now create a database schema for your Zabbix server**
* **mysql -u root -p**
* **CREATE DATABASE zabbixdb character set utf8 collate utf8\_bin;**
* **GRANT ALL PRIVILEGES ON zabbixdb.\* TO 'zabbix'@'localhost';**
* **FLUSH PRIVILEGES;**
* **Then load the Zabbix database schema to the database you have created**
* **cd /usr/share/doc/zabbix-server-mysql**
* gunzip create.sql.gz
* mysql -u zabbix -p zabbixdb < create.sql

**Enter Password : \*\*\*\*\*\*\***

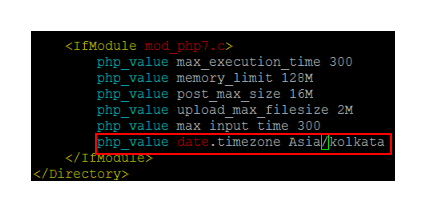
## Step 5 – Edit Zabbix Configuration File

* **Edit Zabbix server configuration file /etc/zabbix/zabbix\_server.conf**
* **This will be used by Zabbix server to connect to the database Edit the conf file and save it .**
* **vi etc/zabbix/zabbix\_server.conf**
* **DBHost=localhost**
* **DBName=zabbixdb**
* **DBUser=zabbix**
* **DBPassword=temp**

****

## Step 6 – Restart Apache and Zabbix

* **Edit time-Zone in zabbix front-end file for zabbix front-end**
* **Set The Time-zone value For php make it timezone Asia/kolkata**
* **vi /etc/apache2/conf-available/zabbix-frontend-php.conf**
* **ln -s /etc/apache2/conf-available/zabbix-frontend-php.conf /etc/apache2/conf-enabled/**
* **systemctl restart apache2**
* **systemctl restart zabbix-server**

****

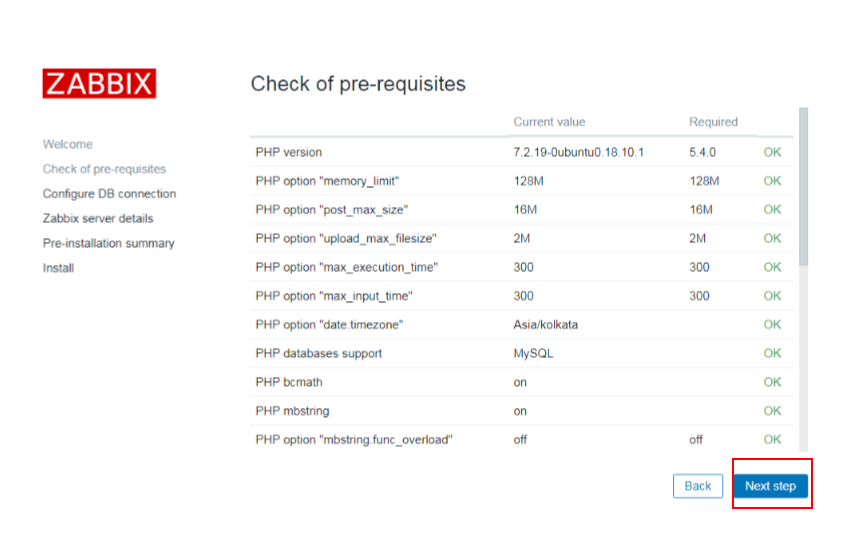
## Step 7 – Complete Zabbix Web Installer

* **Zabbix web installer can be accessed on /zabbix subdirectory URL on your servers IP or domain.**
* **And follow the steps as per given below:**
* **http://192.168.72.69/zabbix/**

### Zabbix Setup Welcome Screen

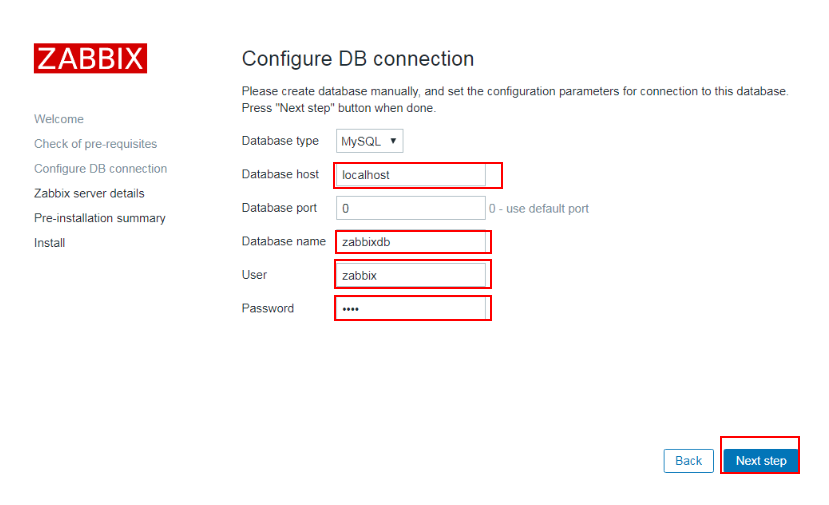
* **You Will get the welcome screen of Zabbix web installer. Go forward by click on next button.**

### Check for pre-requisities

****

### Configure DB Connection

* **Enter database details created in Step 4** **and click next to continue.**

****

### Zabbix Server Details

* **This is the host and port of running Zabbix server.**
* **As your Zabbix server is running on the same host, so keep the values unchanged.**