

How To Install Zabbix Server 5.0 On CentOS 8

Install Zabbix

Configure Zabbix repository

Zabbix packages are not available in the base OS repository. So, to get Zabbix packages, we need to install the Zabbix repository configuration package.

Zabbix 5.0 (LTS)

```
rpm -Uvh https://repo.zabbix.com/zabbix/5.0/rhel/8/x86_64/zabbix-release-5.0-1.el8.noarch.rpm
```

Install Zabbix Server

Use the yum command to install the Zabbix server with [MySQL / MariaDB database](#) support package as we are going to use [MySQL / MariaDB database](#) for our Zabbix installation.

Zabbix 5.0 (LTS)

```
dnf install -y zabbix-server-mysql zabbix-web-mysql zabbix-agent zabbix-apache-conf
```

Timezone

As a first task, we need to set TimeZone for the Zabbix frontend.

```
vi /etc/php-fpm.d/zabbix.conf
```

Update the below line with the correct timezone. Find [more time zones](#) from the official site.

```
php_value[date.timezone] = America/New_York
```

Database

Install MariaDB

```
dnf install -y mariadb-server mariadb
```

Create Database

Start the MariaDB service.

```
systemctl start mariadb
```

Login to MariaDB and create the database and user for our Zabbix installation.

If you are starting the MariaDB server for the first time, consider taking a look at [Securing MariaDB](#) to ensure the MariaDB instance has a root password set, no anonymous users, disallow root login remotely, and removing test database.

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

Create a database with the following details.

DBName: *zabbixdb*

DBUser: *zabbixuser*

DBPassword: *password*

```
create database zabbixdb character set utf8 collate utf8_bin;

grant all privileges on zabbixdb.* to zabbixuser@localhost identified by 'password';

quit;
```

After you created the database for the installation, import the initial schema into it.

```
cd /usr/share/doc/zabbix-server-mysql/

zcat create.sql.gz | mysql -u zabbixuser -p zabbixdb
```

Update Database Configuration

Edit the `zabbix_server.conf` file to set the database details.

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

Make sure you set as follows.

```
DBHost=localhost
DBName=zabbixdb
DBUser=zabbixuser
DBPassword=password
```

SELinux

```
#vim /etc/sysconfig/selinux
```

```
SELINUX=disabled
```

```
:x
```

```
#reboot
```

Firewall

```
firewall-cmd --permanent --add-port=10050/tcp  
  
#firewall-cmd --permanent --add-port=10051/tcp  
  
#firewall-cmd --permanent --add-port=80/tcp  
  
#firewall-cmd --reload
```

Start Services

```
#systemctl restart zabbix-server zabbix-agent httpd php-fpm  
#systemctl enable zabbix-server zabbix-agent httpd mariadb
```

Setup Zabbix via Web Installer

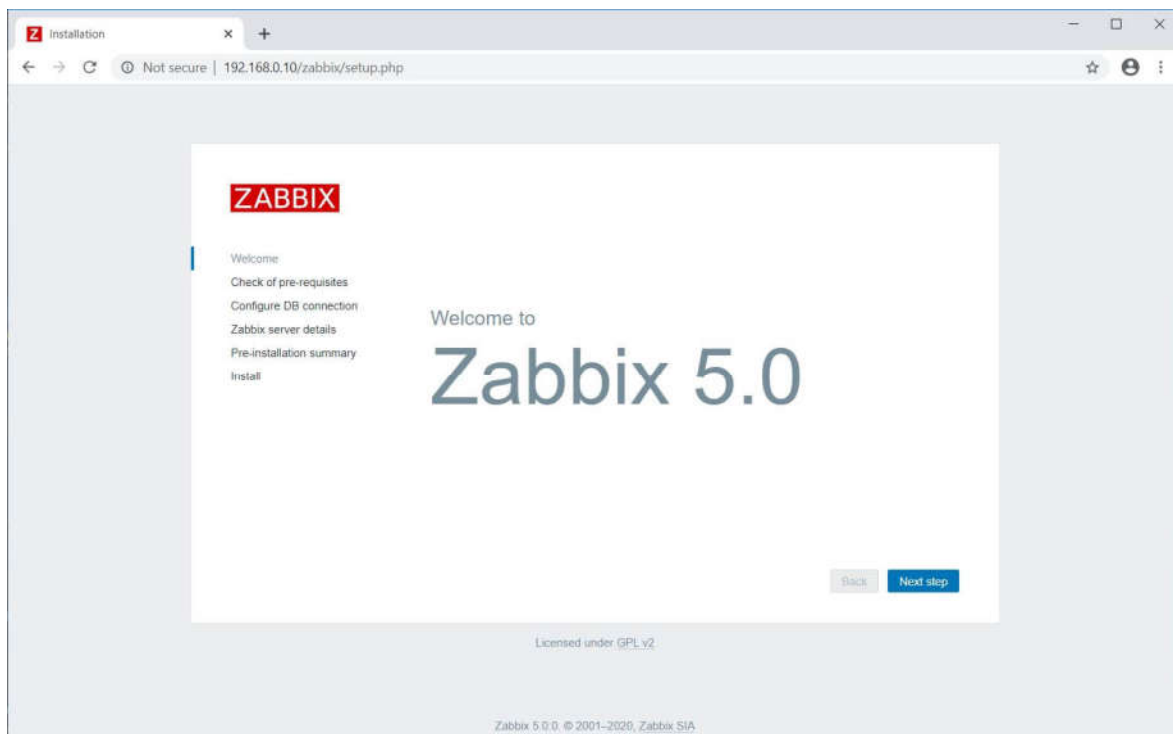
Open up your web browser and point it to the following URL.

<http://your-ip-address/zabbix/>

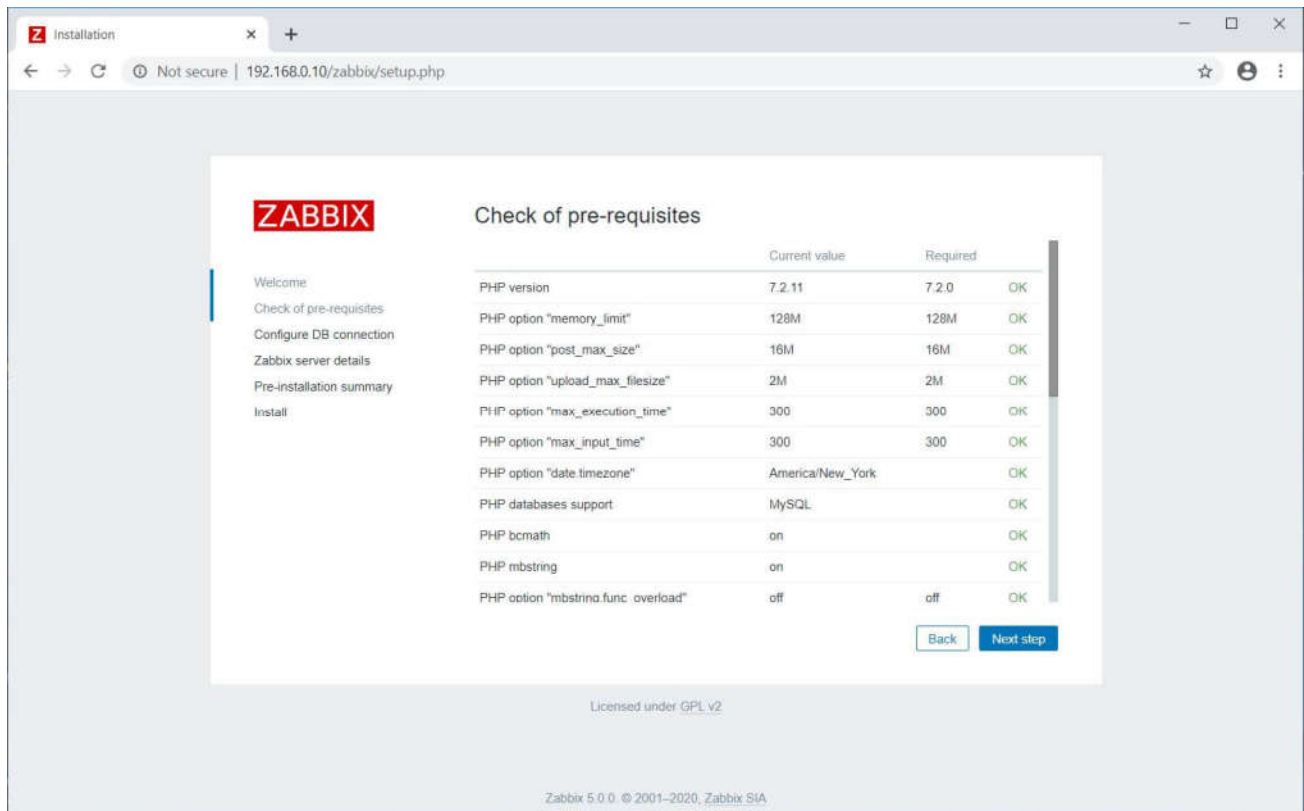
Follow the below steps to complete the Zabbix installation.

For both versions of Zabbix, the instructions are the same.

Click the **Next Step** on Zabbix welcome page.



This step verifies if all pre-requisites are met for your Zabbix Installation. If there are any issues, you need to fix those. Then, click on the **Next Step**.



Update the Zabbix database name, DB user, and password and then click the **Next Step**.

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Installation x +

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ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Zabbix server details

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:

User:

Password:

TLS encryption ☐

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Enter the name for your Zabbix installation and then click the **Next step**.

Installation x +

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ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Zabbix server details

Pre-installation summary

Install

Zabbix server details

Please enter the host name or host IP address and port number of the Zabbix server, as well as the name of the installation (optional).

Host:

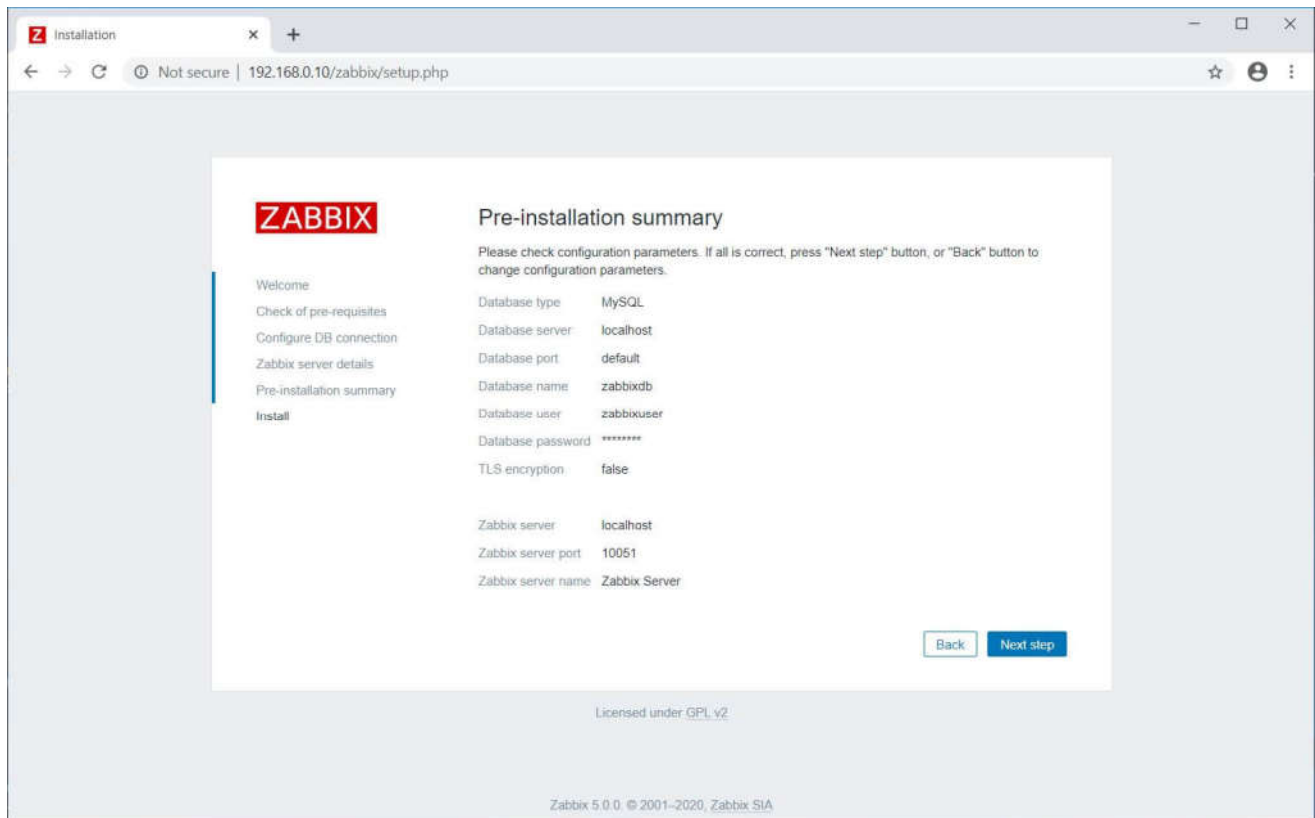
Port:

Name:

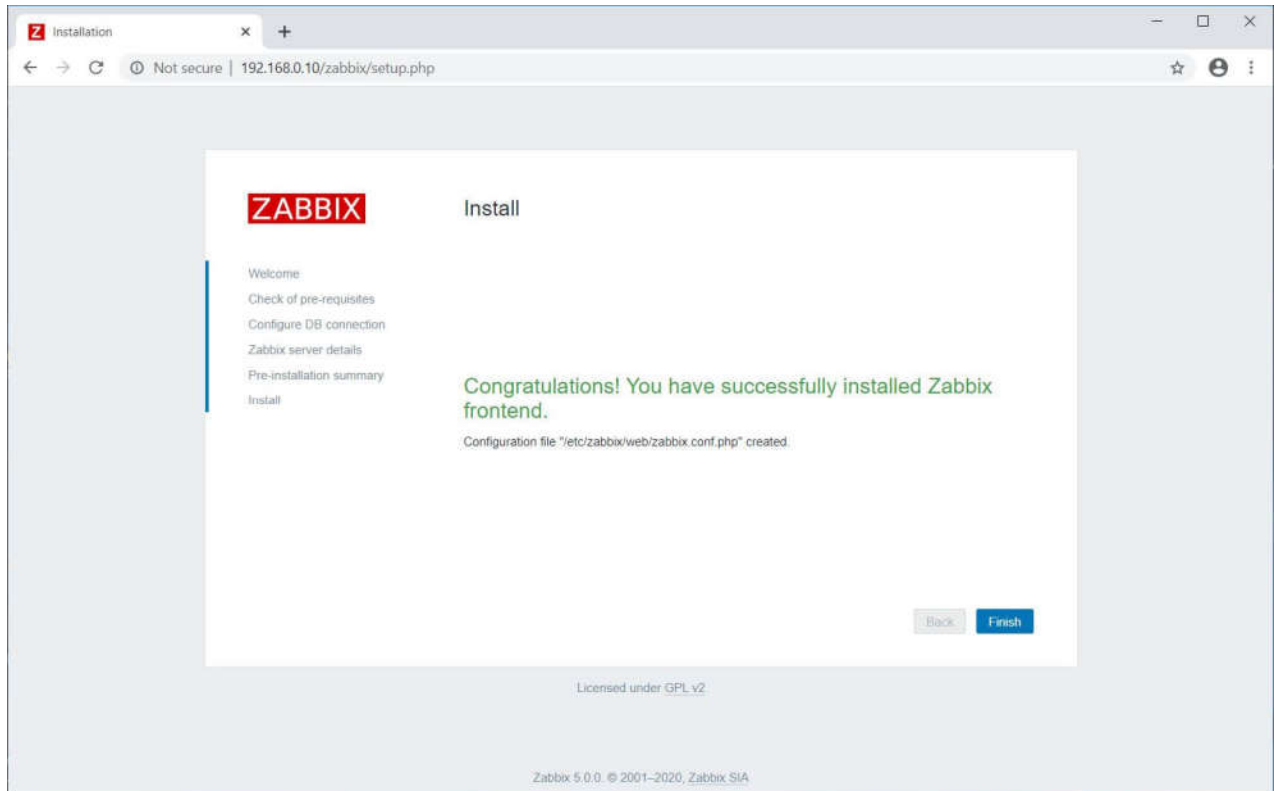
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You will get a pre-installation summary like below. Click the **Next step**.



The installation of the Zabbix Server is now complete. Click the **Finish**.



Once you click Finish, the web installer will redirect you to the Zabbix web console.

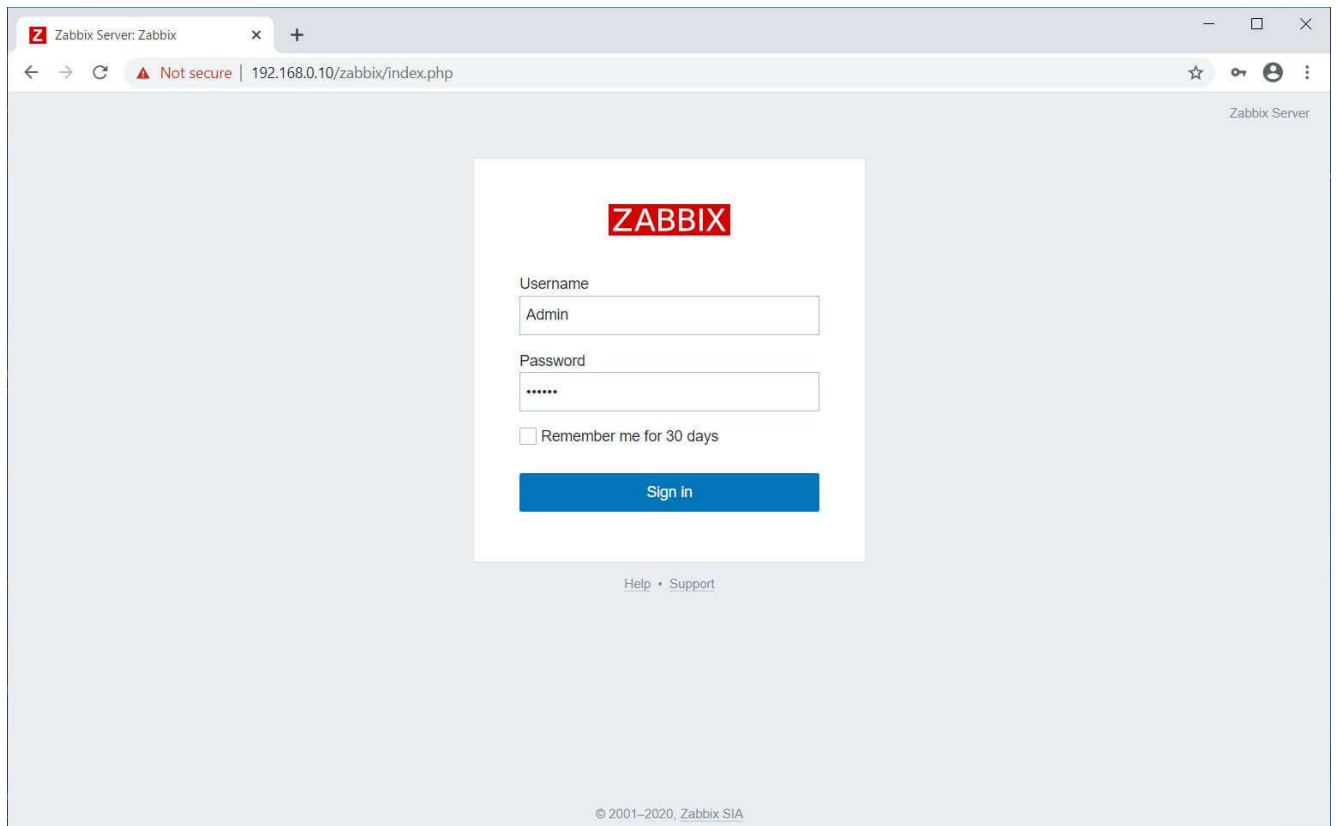
Access Zabbix Dashboard

Log in with the Zabbix default username and password.

Username: *Admin*

Password: *zabbix*

Username is case sensitive.



Zabbix Dashboard:

ZABBIX

Zabbix Server

Monitoring

Dashboard

Problems

Hosts

Overview

Latest data

Screens

Maps

Discovery

Services

Inventory

Reports

Configuration

Administration

Support

Share

Global view

All dashboards / Global view

System information

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled/templates)	145	1 / 0 / 144
Number of items (enabled/disabled/not supported)	96	96 / 0 / 6
Number of triggers (enabled/disabled [problem/ok])	49	49 / 0 [0 / 49]
Number of users (online)	2	1

1 Available

0 Not available

0 Unknown

1 Total

0 Disaster

0 High

0 Average

0 Warning

0 Information

0 Not classified

Problems

Time Info Host Problem • Severity Duration Ack Actions Tags

No data found

ZABBIX

Monitoring

Inventory

Reports

Configuration

Administration

Dashboard

Problems

Overview

Web

Latest data

Graphs

Screens

Maps

Discovery

Services

Global view

Edit dashboard

All dashboards / Global view

System information

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled/templates)	91	1 / 0 / 90
Number of items (enabled/disabled/not supported)	76	70 / 0 / 6
Number of triggers (enabled/disabled [problem/ok])	46	46 / 0 [0 / 46]
Number of users (online)	2	1

Problems by severity

Host group	Disaster	High	Average	Warning	Information	Not classified
No data found.						

Local

Problems

Time Info Host Problem • Severity Duration Ack Actions Tags

No data found.

Favourite maps

No maps added.