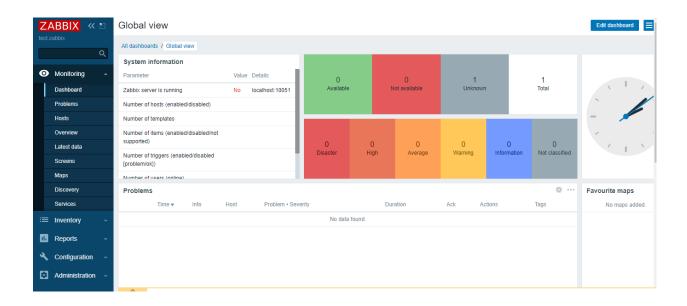
## **How to install Zabbix server on Centos 7**



[root@localhost ~]# yum update -y

[root@localhost ~]# vim /etc/yum.repos.d/MariaDB.repo

### [mariadb]

name=MariaDB

baseurl=http://yum.mariadb.org/10.5/centos7-amd64 gpgkey=https://yum.mariadb.org/RPM-GPG-KEY-MariaDB gpgcheck=1

```
[mariadb]
name=MariaDB

aseurl=http://yum.mariadb.org/10.5/centos7-amd64
gpgkey=https://yum.mariadb.org/RPM-GPG-KEY-MariaDB
gpgcheck=1
```

#### **Disable SELinux:**

[root@localhost ~]# vim /etc/sysconfig/selinux

Change "SELINUX=enforcing" to "SELINUX=disabled"

#### [root@localhost ~]# yum -y install MariaDB-server MariaDB-clien

```
[root@localhost ~ ]# yum -y install MariaDB-server MariaDB-client
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
  * base: mirror.myfahim.com
  * avtrace.mirror.myfahim.com
   * extras: mirror.myfahim.com
   * updates: mirror.myfahim.com
mariadb
(1/2): mariadb/updateinfo
(2/2): mariadb/primary_db
Resolving Dependencies
 Resolving Dependencies
--> Running transaction check
---> Package MariaDB-client.x86_64 0:10.5.18-1.el7.centos will be obsoleting
--> Processing Dependency: MariaDB-common for package: MariaDB-client-10.5.18-1.el7.centos.x86_64
--> Processing Dependency: libpcre2-8.so.0()(64bit) for package: MariaDB-client-10.5.18-1.el7.centos.x86_64
---> Package MariaDB-server.x86_64 0:10.5.18-1.el7.centos will be obsoleting
--> Processing Dependency: galera-4 for package: MariaDB-server-10.5.18-1.el7.centos.x86_64
---> Package mariadb.x86_64 1:5.5.68-1.el7 will be obsoleted
---> Package mariadb-server.x86_64 1:5.5.68-1.el7 will be obsoleted
---> Running transaction check
Dependencies Resolved
 Package
                                                                                                                                                                                                                                                                                                           Size
                                                                                         Arch
                                                                                                                                                    Version
                                                                                                                                                                                                                                             Repository
Installing:
MariaDB-client
                                                                                                                                                                                                                                                                                                           13 M
                                                                                                                                                    10.5.18-1.el7.centos
                                                                                                                                                                                                                                             mariadb
 replacing mariadb.x86_64 1:5.5.68-1.el7
MariaDB_compat
 replacing mariadb-libs.x86_64 1:5.5.68-1.el7
MariaDB-server
                                                                                                                                                    10.5.18-1.el7.centos
                                                                                                                                                                                                                                             mariadb
                                                                                                                                                                                                                                                                                                          2.2 M
                                                                                                                                                    10.5.18-1.el7.centos
                                                                                                                                                                                                                                                                                                           26 M
 replacing mariadb-server.x86_64 1:5.5.68-1.el7
Installing for dependencies:
MariaDB-common x86_6
                                                                                                                                                   10.5.18-1.el7.centos
1.53.0-28.el7
26.4.13-1.el7.centos
10.23-2.el7
1.7.3.2-2.el7
                                                                                         x86_64
x86_64
x86_64
x86_64
                                                                                                                                                                                                                                             mariadb
  boost-program-options
                                                                                                                                                                                                                                             base
                                                                                                                                                                                                                                            mariadb
base
  galera-4
 pcre2
socat
                                                                                                                                                                                                                                                                                                          201 k
 Transaction Summary
```

# [root@localhost ~]# systemctl start --now mariadb [root@localhost ~]# systemctl status mariadb

```
[root@localhost ~]# systemctl start --now mariadb
[root@localhost ~]#
[root@localhost
```

#### # mysql\_secure\_installation

```
NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
      SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!
In order to log into MariaDB to secure it, we'll need the current
password for the root user. If you've just installed MariaDB, and
haven't set the root password yet, you should just press enter here.
Enter current password for root (enter for none): << Just Press Enter
OK, successfully used password, moving on...
Setting the root password or using the unix_socket ensures that nobody
can log into the MariaDB root user without the proper authorisation.
You already have your root account protected, so you can safely answer 'n'.
Switch to unix_socket authentication [Y/n] N<< Disable Unix Socket Authendication
to Enable Password Authentication
... skipping.
You already have your root account protected, so you can safely answer 'n'.
Change the root password? [Y/n] Y<< Set MariaDB root password
New password: << Enter root password
Re-enter new password: << Re-Enter root password
Password updated successfully!
Reloading privilege tables..
 ... Success!
By default, a MariaDB installation has an anonymous user, allowing anyone
to log into MariaDB without having to have a user account created for
them. This is intended only for testing, and to make the installation
go a bit smoother. You should remove them before moving into a
production environment.
Remove anonymous users? [Y/n] Y<< Remove Anonymous user
 ... Success!
Normally, root should only be allowed to connect from 'localhost'. This
ensures that someone cannot guess at the root password from the network.
Disallow root login remotely? [Y/n] Y<< Disallow root login remotely
... Success!
By default, MariaDB comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed
before moving into a production environment.
Remove test database and access to it? [Y/n] Y<< Remove test database
 - Dropping test database...
   . Success!
 - Removing privileges on test database...
 ... Success!
Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.
Reload privilege tables now? [Y/n]Y<< Reload privilege tables
... Success!
```

```
[root@localhost ~]# mysql -u root -p
Enter password:
MariaDB [(none)]>
MariaDB [(none)]> create database zabbix_db character set utf8 collate utf8_bin;
Query OK, 1 row affected (0.001 sec)
MariaDB [(none)]>
MariaDB [(none)]> grant all privileges on zabbix_db.* to zabbix@'localhost' identified by 'passwOrd';
Query OK, 0 rows affected (0.004 sec)
MariaDB [(none)]>
MariaDB [(none)]> flush privileges;
Query OK, 0 rows affected (0.002 sec)
MariaDB [(none)]> mariaDB [(none)]> exit
```

[root@localhost  $^{\sim}$ ]# rpm -Uvh https://repo.zabbix.com/zabbix/5.0/rhel/7/x86\_64/zabbix-release-5.0-1.el7.noarch.rpm

[root@localhost ~]# yum clean all

[root@localhost ~]# yum install zabbix-get zabbix-agent zabbix-server-mysql –y

## [root@localhost ~]# vim /etc/yum.repos.d/zabbix.repo

[zabbix-frontend] enabled=1

### [root@localhost ~]# yum install centos-release-scl –y

```
root@localhost ~|#
root@localhost ~|# yum install centos-release-scl -y
.oaded plugins: fastestmirror, langpacks
.oading mirror speeds from cached hostfile
* base: bd.mirror.vanehost.com
* extras: mirror.xeonbd.com
* updates: bd.mirror.Vanehost.com
* updates: bd.mirror.vanehost.com
zabbix-frontend
zabbix-frontend
zabbix-frontend/x86_64/primary_db
Resolving Dependencies
--> Running transaction check
---> Package centos-release-scl.noarch 0:2-3.el7.centos will be installed
--> Processing Dependency: centos-release-scl-rh for package: centos-release-scl-2-3.el7.centos.noarch
--> Running transaction check
--> Package centos-release-scl-nh oarch 0:2-3.el7.centos will be installed
--> Pinchage centos-release-scl-rh.noarch 0:2-3.el7.centos will be installed
--> Pinchage centos-release-scl-rh.noarch 0:2-3.el7.centos will be installed
    ependencies Resolved
  Package
                                                                                                                                                       Arch
                                                                                                                                                                                                                                                                                                                                                                                                  Repository
Installing:
centos-release-scl
Installing for dependencies:
centos-release-scl-rh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12 k
                                                                                                                                                       noarch
                                                                                                                                                                                                                                                              2-3.el7.centos
                                                                                                                                                                                                                                                                                                                                                                                                  extras
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12 k
                                                                                                                                                        noarch
                                                                                                                                                                                                                                                              2-3.el7.centos
                                                                                                                                                                                                                                                                                                                                                                                                  extras
 Install 1 Package (+1 Dependent package)
```

### [root@localhost ~]# yum install zabbix-web-mysql-scl zabbix-apache-conf-scl -y

```
[rootelocalhost ~]*
[roote
```

[root@localhost ~]# cd /usr/share/doc/zabbix-server-mysql-5.0.30/

[root@localhost zabbix-server-mysql-5.0.30]# zcat create.sql.gz | mysql zabbix\_db

[root@localhost ~]# vim /etc/zabbix/zabbix server.conf

Change these parameters on Zabbix\_server.conf file.

DBName=zabbix db

DBUser=zabbix

DBPassword= passw0rd

[root@localhost ~]# systemctl start zabbix-server

[root@localhost ~]# systemctl enable zabbix-server

Created symlink from /etc/systemd/system/multi-user.target.wants/zabbix-server.service to /usr/lib/systemd/system/zabbix-server.service.

[root@localhost ~]# less /var/log/zabbix/zabbix server.log

[root@localhost ~]# vim /etc/opt/rh/rh-php72/php-fpm.d/zabbix.conf

php\_value[date.timezone] = America/New\_York

[root@localhost ~]# systemctl restart zabbix-server zabbix-agent httpd rh-php72-php-fpm mariadb

[root@localhost ~]# systemctl enable zabbix-server zabbix-agent httpd rh-php72-php-fpm mariadb

Created symlink from /etc/systemd/system/multi-user.target.wants/zabbix-agent.service to /usr/lib/systemd/system/zabbix-agent.service.

Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.

Created symlink from /etc/systemd/system/multi-user.target.wants/rh-php72-php-fpm.service to /usr/lib/systemd/system/rh-php72-php-fpm.service.

Created symlink from /etc/systemd/system/multi-user.target.wants/mariadb.service to

/usr/lib/systemd/system/mariadb.service.

```
[root@localhost ~] systemctl enable zabbix-server zabbix-agent httpd rh-php72-php-fpm mariadb
Created symlink from /etc/systemd/system/multi-user.target.wants/zabbix-agent.service to /usr/lib/systemd/system/zabbix-agent.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/rh-php72-php-fpm.service to /usr/lib/systemd/system/rh-php72-php-fpm.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/mariadb.service to /usr/lib/systemd/system/mariadb.service.
[root@localhost ~]#
[root@localhost ~]#
```

[root@localhost ~]# firewall-cmd --add-service={http,https} --permanent

success

[root@localhost ~]# firewall-cmd --add-port={10051/tcp,10050/tcp} --permanent

[root@localhost ~]# firewall-cmd --reloa

Database: zabbix\_db Username: zabbix Password: passw0rd

Go to Browser

Follow the instruction and use the database password, click next and login with default username and password.

http://10.200.6.12/zabbix

Username: Admin Password: zabbix

sudo zcat /usr/share/doc/zabbix-server-mysql\*/create.sql.gz | mysql -uzabbix -p zabbix\_db

cachesize=2G hisroeycache=512M valuesize=400M

## **Zabbix Install Source link:**

https://www.youtube.com/watch?v=JoaBN7etqfo&ab\_channel=Let%27sDoRnD

Welcome

Check of pre-requisites
Configure DB connection
Zabbix server details
Pre-installation summary
Install

Welcome to

# Zabbix 5.0

Back Next step

## ZABBIX

Welcome

Check of pre-requisites

Configure DB connection Zabbix server details Pre-installation summary Install

## Check of pre-requisites

	Current value	Required	
PHP version	7.2.24	7.2.0	OK
PHP option "memory_limit"	512M	128M	ОК
PHP option "post_max_size"	16M	16M	ОК
PHP option "upload_max_filesize"	6M	2M	ок
PHP option "max_execution_time"	300	300	ОК
PHP option "max_input_time"	300	300	ОК
PHP option "date.timezone"	Asia/Dhaka		ОК
PHP databases support	MySQL		ок
PHP bcmath	on		ОК
PHP mbstring	on		ОК

Back Next step

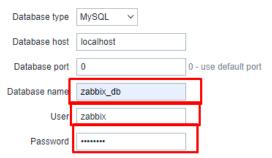
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## Configure DB connection

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



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



## **ZABBIX**

Welcome

Check of pre-requisites

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#### 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	localhost	
Port	10051	
Name	test.zabbix	

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Welcome

Check of pre-requisites

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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\_db

Database user zabbix

Database password \*\*\*\*\*\*\*\*

Database TLS encryption false

Zabbix server localhost

Zabbix server port 10051

Zabbix server name test.zabbix

Back

Next step

## ZABBIX

#### Install

Welcome

Check of pre-requisites

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Zabbix server details

Pre-installation summary

Install

Congratulations! You have successfully installed Zabbix frontend.

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

Back

Finish



