Zabbix – Installation

1. Becoming root user

$sudo -s

```
                                          root@babyearn: /home/babyearn
babyearn@babyearn:~$ sudo -s
[sudo] password for babyearn:
root@babyearn:/home/babyearn#
```

2. Install Zabbix repository

#wget https://repo.zabbix.com/zabbix/7.2/release/ubuntu/pool/main/z/zabbix-release/zabbix-release_latest_7.2+ubuntu22.04_all.deb
#dpkg -i zabbix-release_latest_7.2+ubuntu22.04_all.deb
#apt update

```
babyearn@babyearn:~$ wget https://repo.zabbix.com/zabbix/7.2/release/ubuntu/pool/main/z/zabbix-release/zabbix-release_latest_7.2+ubuntu22.04_all.deb
--2025-02-24 19:56:27--  https://repo.zabbix.com/zabbix/7.2/release/ubuntu/pool/main/z/zabbix-release/zabbix-release_latest_7.2+ubuntu22.04_all.deb
Resolving repo.zabbix.com (repo.zabbix.com)... 178.128.6.101, 2604:a880:2:d0::2062:d001
Connecting to repo.zabbix.com (repo.zabbix.com)|178.128.6.101|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 7288 (7.1K) [application/octet-stream]
Saving to: 'zabbix-release_latest_7.2+ubuntu22.04_all.deb'

zabbix-release_latest_7.2+ubu 100%[===============================================>]   7.12K  --.-KB/s    in 0s

2025-02-24 19:56:28 (341 MB/s) - 'zabbix-release_latest_7.2+ubuntu22.04_all.deb' saved [7288/7288]

babyearn@babyearn:~$ sudo dpkg -i zabbix-release_latest_7.2+ubuntu22.04_all.deb
Selecting previously unselected package zabbix-release.
(Reading database ... 253174 files and directories currently installed.)
Preparing to unpack zabbix-release_latest_7.2+ubuntu22.04_all.deb ...
Unpacking zabbix-release (1:7.2-1+ubuntu22.04) ...
Setting up zabbix-release (1:7.2-1+ubuntu22.04) ...
babyearn@babyearn:~$ sudo apt update
Hit:1 http://ports.ubuntu.com/ubuntu-ports noble InRelease
Get:2 http://ports.ubuntu.com/ubuntu-ports noble-updates InRelease [126 kB]
Get:3 https://repo.zabbix.com/zabbix/7.2/release/ubuntu jammy InRelease [2,424 B]
Get:4 https://repo.zabbix.com/zabbix-tools/debian-ubuntu jammy InRelease [2,476 B]
Get:5 https://repo.zabbix.com/zabbix/7.2/stable/ubuntu jammy InRelease [3,929 B]
Get:6 https://repo.zabbix.com/zabbix/7.2/release/ubuntu jammy/main Sources [521 B]
Get:7 https://repo.zabbix.com/zabbix/7.2/release/ubuntu jammy/main all Packages [391 B]
Get:8 https://repo.zabbix.com/zabbix-tools/debian-ubuntu jammy/main Sources [1,166 B]
Get:9 https://repo.zabbix.com/zabbix-tools/debian-ubuntu jammy/main all Packages [766 B]
Get:10 http://ports.ubuntu.com/ubuntu-ports noble-backports InRelease [126 kB]
Get:11 https://repo.zabbix.com/zabbix/7.2/stable/ubuntu jammy/main Sources [7,853 B]
Get:12 https://repo.zabbix.com/zabbix/7.2/stable/ubuntu jammy/main all Packages [3,074 B]
Get:13 https://repo.zabbix.com/zabbix/7.2/stable/ubuntu jammy/main arm64 Packages [13.9 kB]
Get:14 http://ports.ubuntu.com/ubuntu-ports noble-security InRelease [126 kB]
Get:15 http://ports.ubuntu.com/ubuntu-ports noble-updates/main arm64 Packages [850 kB]
Get:16 http://ports.ubuntu.com/ubuntu-ports noble-updates/main Translation-en [197 kB]
Get:17 http://ports.ubuntu.com/ubuntu-ports noble-updates/main arm64 Components [148 kB]
Get:18 http://ports.ubuntu.com/ubuntu-ports noble-updates/restricted Translation-en [128 kB]
Get:19 http://ports.ubuntu.com/ubuntu-ports noble-updates/restricted arm64 Components [212 B]
Get:20 http://ports.ubuntu.com/ubuntu-ports noble-updates/universe arm64 Packages [993 kB]
Get:21 http://ports.ubuntu.com/ubuntu-ports noble-updates/universe Translation-en [255 kB]
Get:22 http://ports.ubuntu.com/ubuntu-ports noble-updates/universe arm64 Components [362 kB]
Get:23 http://ports.ubuntu.com/ubuntu-ports noble-updates/multiverse arm64 Packages [18.4 kB]
Get:24 http://ports.ubuntu.com/ubuntu-ports noble-updates/multiverse Translation-en [5,308 B]
Get:25 http://ports.ubuntu.com/ubuntu-ports noble-updates/multiverse arm64 Components [212 B]
Get:26 http://ports.ubuntu.com/ubuntu-ports noble-backports/main arm64 Components [208 B]
Get:27 http://ports.ubuntu.com/ubuntu-ports noble-backports/restricted arm64 Components [216 B]
Get:28 http://ports.ubuntu.com/ubuntu-ports noble-backports/universe arm64 Packages [14.2 kB]
Get:29 http://ports.ubuntu.com/ubuntu-ports noble-backports/universe Translation-en [12.1 kB]
Get:30 http://ports.ubuntu.com/ubuntu-ports noble-backports/universe arm64 Components [20.0 kB]
Get:31 http://ports.ubuntu.com/ubuntu-ports noble-backports/universe Icons (48x48) [13.2 kB]
Get:32 http://ports.ubuntu.com/ubuntu-ports noble-backports/universe Icons (64x64) [17.9 kB]
Get:33 http://ports.ubuntu.com/ubuntu-ports noble-backports/multiverse arm64 Components [212 B]
Get:34 http://ports.ubuntu.com/ubuntu-ports noble-security/main arm64 Packages [605 kB]
Get:35 http://ports.ubuntu.com/ubuntu-ports noble-security/main Translation-en [119 kB]
Get:36 http://ports.ubuntu.com/ubuntu-ports noble-security/main arm64 Components [5,696 B]
Get:37 http://ports.ubuntu.com/ubuntu-ports noble-security/restricted arm64 Components [212 B]
Get:38 http://ports.ubuntu.com/ubuntu-ports noble-security/universe arm64 Packages [781 kB]
Get:39 http://ports.ubuntu.com/ubuntu-ports noble-security/universe Translation-en [172 kB]
Get:40 http://ports.ubuntu.com/ubuntu-ports noble-security/universe arm64 Components [52.0 kB]
Get:41 http://ports.ubuntu.com/ubuntu-ports noble-security/multiverse arm64 Components [212 B]
Fetched 5,185 kB in 10s (505 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
32 packages can be upgraded. Run 'apt list --upgradable' to see them.
babyearn@babyearn:~$
```

3. Install Zabbix server, frontend, agent

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

```
root@babyearn:/home/babyearn# apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf zabbix-sql-scripts zabbix-agent
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
zabbix-agent is already the newest version (1:7.2.3-1+ubuntu22.04).
zabbix-server-mysql is already the newest version (1:7.2.3-1+ubuntu22.04).
zabbix-apache-conf is already the newest version (1:7.2.3-1+ubuntu22.04).
zabbix-frontend-php is already the newest version (1:7.2.3-1+ubuntu22.04).
zabbix-sql-scripts is already the newest version (1:7.2.3-1+ubuntu22.04).
The following packages were automatically installed and are no longer required:
  linux-headers-6.8.0-40-generic linux-hwe-6.8-headers-6.8.0-40
  linux-hwe-6.8-tools-6.8.0-40 linux-image-6.8.0-40-generic
  linux-modules-6.8.0-40-generic linux-modules-extra-6.8.0-40-generic
  linux-tools-6.8.0-40-generic
Use 'apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

4. Create initial database

mysql -uroot -p
password
mysql> create database zabbix character set utf8mb4 collate utf8mb4_bin;
mysql> create user zabbix@localhost identified by 'password';
mysql> grant all privileges on zabbix.* to zabbix@localhost;
mysql> set global log_bin_trust_function_creators = 1;
mysql> quit;

```
root@babyearn:/home/babyearn# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.41-0ubuntu0.24.04.1 (Ubuntu)

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database zabbix character set utf8mb4 collate utf8mb4_bin;
Query OK, 1 row affected (0.01 sec)

mysql> create user zabbix@localhost identified by 'password';
Query OK, 0 rows affected (0.03 sec)

mysql> grant all privileges on zabbix.* to zabbix@localhost;
Query OK, 0 rows affected (0.02 sec)

mysql> set global log_bin_trust_function_creators = 1;
Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql> quit;
Bye
```

5. On Zabbix server host import initial schema and data. You must enter your newly create password

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

```
root@babyearn:/home/babyearn# zcat /usr/share/zabbix-sql-scripts/mysql/server.sql.gz | mysql --default-character-set=utf8mb4 -uzabbix -p zabbix
gzip: /usr/share/zabbix-sql-scripts/mysql/server.sql.gz: No such file or directory
Enter password:
```

6. Disable log_bin_function_creators option

#mysql -uroot -p
password
mysql> set global log_bin_trust_function_creators = 0;
mysql> quit;

```
root@babyearn:/home/babyearn# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.41-0ubuntu0.24.04.1 (Ubuntu)

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> set global log_bin_trust_function_creators = 0;
Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> quit;
Bye
root@babyearn:/home/babyearn#
```

7. Configure the database for Zabbix server
#nano /etc/zabbix/zabbix_server.config

DBPassword=password

```
root@babyearn:/home/babyearn# nano /etc/zabbix/zabbix_server.config
root@babyearn:/home/babyearn#
```

8. Start Zabbix server and agent processes

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

```
root@ubuntu22:/home/muict# systemctl enable  zabbix-server zabbix-agent apache2
Synchronizing state of zabbix-server.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable zabbix-server
Synchronizing state of zabbix-agent.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable zabbix-agent
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
Created symlink /etc/systemd/system/multi-user.target.wants/zabbix-server.service → /lib/systemd/system/zabbix-server.service.
root@ubuntu22:/home/muict#
```

9. Open Zabbix UI web page

The default URL for Zabbix UI when using
Apache webserver is http://localhost/zabbix