

Zabbix 7.4 Installation on Debian 12 (Vanilla Setup)

1. Configure Locales

- Set up en_US.UTF-8 and any additional locales for multi-language support in Zabbix.

```
`dpkg-reconfigure locales`
```

2. Install MariaDB (Zabbix Database Backend)

- Install the default MariaDB server package:

```
`apt install default-mysql-server`
```

3. Secure MariaDB Setup

- Run as root to improve database security:

```
`mariadb-secure-installation`
```

- Recommended to carefully read each prompt and avoid default answers where security is impacted.

4. Add Zabbix Repository

- Download and install official Zabbix APT package:

```
`wget  
https://repo.zabbix.com/zabbix/7.4/release/debian/pool/main/z/zabbix-release/zabbix-release\_latest\_7.4+debian12\_all.deb`
```

```
`dpkg -i zabbix-release_latest_7.4+debian12_all.deb`  
`apt update`
```

5. Install Zabbix Components

- Install server, frontend (PHP), Apache configuration, SQL scripts, and agent:

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

6. Create Zabbix Database and Import Schema

- Connect to MariaDB and create database/user:

```
`mysql -uroot -p`
```

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

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

* Disable trust function flag after import:
`mysql -uroot -p`
```

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

7. Configure Zabbix Server

- Set the database password in /etc/zabbix/zabbix_server.conf:

```
`DBPassword=password`
```

8. Start and Enable Zabbix Services

- Start and enable server, agent, and Apache:

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

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

9. Access Zabbix Web UI

- Open Zabbix frontend in a browser:

```
`http://your-server-ip/zabbix`
```

SSL Setup

1. Generate Self-Signed Certificate

- Create directory:

```
`sudo mkdir -p /etc/ssl/zabbix`
```

- Generate cert:

```
`sudo openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout /etc/ssl/zabbix/zabbix.key -out /etc/ssl/zabbix/zabbix.crt -subj "/C=CA/ST=Quebec/L=Boisbriand/O=ZabbixLAN/CN=zabbix.local"`
```

2. Configure Apache for SSL

- Enable SSL module and default SSL site:

```
`sudo a2enmod ssl`
```

```
`sudo a2ensite default-ssl`  
* Edit SSL virtual host:  
`sudo nano /etc/apache2/sites-available/default-ssl.conf`  
Add or update:  
`````  
SSLEngine on
SSLCertificateFile /etc/ssl/zabbix/zabbix.crt
SSLCertificateKeyFile /etc/ssl/zabbix/zabbix.key
DocumentRoot /usr/share/zabbix
`````
```

3. Force HTTP to Redirect to HTTPS

- Edit HTTP virtual host:

```
`sudo nano /etc/apache2/sites-available/000-default.conf`
```

```
Inside `<VirtualHost *:80>` add:  
`````  
Redirect "/" "https://your-server-ip/zabbix"
`````  
Replace 'your-server-ip' with your actual server IP or hostname.
```

4. Apply Changes

- Restart Apache:

```
`sudo systemctl restart apache2`
```

5. Access the Frontend

- Use:

```
`https://your-server-ip/zabbix`
```

Accept browser warning for the self-signed cert.

From:

<https://dulib.re/wiki/> - **Le Goût du Libre**

Permanent link:

https://dulib.re/wiki/doku.php/zabbix_7.4_sur_debian_12_avec_ssl?rev=1751926986

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