

Installing BibleSuperSearch on Debian

Basic software

- **Apache2**
- **MariaDB**

```
sudo apt update && sudo apt install apache2 mariadb-server
```

Laravel dependencies

Reference: <https://shape.host/resources/laravel-setup-debian-12-tutorial>

Install Laravel dependencies:

```
sudo apt install php php-curl php-bcmath php-json php-mysql php-mbstring php-xml php-tokenizer  
php-zip php-gd php-sqlite3
```

Bible SuperSearch source

Install Bible SuperSearch source files:

- API: <https://www.biblesupersearch.com/downloads/>
- Client: <https://sourceforge.net/projects/biblesuper/files/>

Extract and copy to:

```
/var/www/html/biblesupersearch_api/
```

```
/var/www/html/biblesupersearch_client/
```

This assumes you're using the default site, otherwise copy into the directory for whichever Apache 'site' is enabled.

Configure Apache

Edit **apache.conf**:

```
sudo nano /etc/apache2/apache2.conf
```

AllowOverride **All**:

```
<Directory /var/www/>
    Options Indexes FollowSymLinks
    AllowOverride All # change from None to All
    Require all granted
</Directory>
```

Configure **PHP**:

```
sudo a2enmod php8.2 # change 8.2 to your version
sudo a2enmod rewrite
sudo systemctl restart apache2
```

Restart Apache:

```
sudo systemctl restart apache2
```

Configure MariaDB

References:

- <https://www.digitalocean.com/community/tutorials/how-to-install-mariadb-on-debian-11>
- <https://raspberrypi.com/install-mariadb-raspberry-pi/>

Start the MariaDB installation:

```
sudo mysql_secure_installation
```

Answer the following prompts:

- **Enter current password for root (enter for none):** Leave blank, press enter
- **Switch to unix_socket authentication [Y/n] n** Not necessary, enter **n**
- **Change the root password? [Y/n] n** Should not change, enter **n**
- Enter **Y** (default) for all remaining questions

Start the DB prompt:

```
sudo mariadb
```

Create an admin account (set my_admin_password):

```
GRANT ALL ON *.* TO 'admin'@'localhost' IDENTIFIED BY '<my_admin_password>' WITH GRANT OPTION;
```

Create a **biblesupersearch** user (set my_password):

```
CREATE USER 'biblesupersearch'@'localhost' IDENTIFIED BY '<my_password>';
```

Create a **biblesupersearch** database:

```
CREATE DATABASE biblesupersearch;
```

Grant privileges:

```
GRANT ALL PRIVILEGES ON biblesupersearch.* TO 'biblesupersearch'@'localhost';
```

Flush privileges:

```
FLUSH PRIVILEGES;
```

Exit the DB prompt:

```
exit
```

Configure Bible SuperSearch

Change directory to the root API directory:

```
cd /var/www/html
```

Copy .env.example to .env and edit:

```
sudo cp .env.example .env
sudo nano .env
```

Update the following lines:

```
APP_URL=http://bible.local/biblesupersearch_api/ # or whatever your root path is
DB_DATABASE=biblesupersearch
DB_USERNAME=biblesupersearch
DB_PASSWORD=<my_password> # whatever database password was configured
```

Change ownership recursively to the httpd user (www-data) for biblesupersearch_api and biblesupersearch_client directories:

```
sudo chown -R www-data biblesupersearch_*
```

Bible SuperSearch admin console

Open the `/public` directory in a browser (relative to whatever the root path is):

http://bible.local/biblesupersearch_api/public

If you get a 404 Not Found error, try appending `/index.php`. If that appears to work, then Apache is not rewriting Laravel routes correctly. This will need to be troubleshooted and fixed before the admin console will work correctly.

- Under the **Bibles** tab, select 100 rows to be displayed (drop-down at bottom), select all (box at upper left corner), and click **Install**.
- Under the **Options** tab, set the Application URL to http://bible.local/biblesupersearch_api (whatever the base URL should be).

Bible SuperSearch client

In the `biblesupersearch_client` directory, copy `config-example.js` to `config.js` and edit the following in **config.js**:

```
"apiUrl": "http://bible.local/biblesupersearch_api/public",
```

As a bug-workaround for Linux web clients, change `client.os.toLowerCase()` to `client.os` in **biblesupersearch.js**

At this point you should be able to open http://bible.local/biblesupersearch_client/ and see a functioning example!

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