

Create Site

Create a new site

Running `bench new-site library.test` will create a new database and a new folder named `library.test` in `sites` dir.

When creating a new site in Frappe, the database name is typically derived from the site name (hashed). However, if you want to specify a custom database name, you can use the `--db-name` option with the `bench new-site` command.

Here's how you can do it:

```
bench new-site [site-name] --db-name [custom-db-name] --db-port [port-number]
```

Replace `[site-name]` with the name of your new site, `[custom-db-name]` with your desired database name, and `[port-number]` with the port number for your MariaDB/MySQL instance.

Example:

```
bench new-site toba-site.live --db-name tobasitedb --db-port 41679
```

Site dirs structure

```
sites/library.test
├── indexes
│   └── web_routes
├── locks
├── logs
├── private
│   ├── backups
│   └── files
├── public
│   └── files
└── site_config.json
```

`private` → private files are user uploaded files that need authentication to be accessible.

`public` → files that are accessible without authentication. This can contain website images that should be accessible without login.

`site_config.json` → contains configuration that is specific to this site which should not be version controlled, it contains the database configuration values for this site.

Access site in browser

`bench` can create multiple sites and they can be accessed separately in browser on the same port (multi-tenancy support).

Frappe will identify which site to serve by matching the hostname of the request with the site name. We have to tell our operating system that `library.test` should point to localhost. To do that, add the following entry to `/etc/hosts` file:

```
127.0.0.1 library.test (map library.test to localhost)
```

or just run the bench command:

```
$ bench --site library.test add-to-hosts
```

(don't forget to run `bench use [site-name]` before `bench start`)

Install app on site

Install Library Management app:

```
bench --site library.test install-app library_management
```

Confirm app installation:

```
bench --site library.test list-apps
```

The output should be `frappe` (*installed by default*) and `library_management`

Site commands

Access Python Console

```
bench --site library.test console
```

MariaDB Console

```
bench --site library.test mariadb
```

Database Backup

```
bench --site library.test backup
```