

Getting Started



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Beanframework

Thank you so much for using beanframework project. 100% open source project under MIT license.

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If you have any questions that are beyond the scope of this help file, Please feel free to post via [Github Discussion Page](#) .

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Installation

Create a new database:

1. By default, this project supported unicode character such as Chinese language, therefore the database must use CHARACTER SET utf8 COLLATE utf8_unicode_ci

```
CREATE SCHEMA `beanframework` DEFAULT CHARACTER SET utf8 COLLATE utf8_unicode_ci
```

2. Configure project by duplicating all .template files in current location, without .template suffix:
 - `beanframework/bin/pom.xml.template` - Contains maven modules in project.
 - `beanframework/bin/server.bat.template` - Contains execute command to run application in windows environment.
 - `beanframework/bin/server.sh.template` - Contains execute command to run application in linux environment.
 - `beanframework/bin/install/app.xml.template` - Contains exe program to run application as service in windows environment.
 - `beanframework/bin/platform/pom.xml.template` - Contains platform maven configuration, such as configure jar packaging to include/exclude resources
 - `beanframework/config/pom.xml.template` - Contains project modules/dependencies configuration.
 - `beanframework/config/src/main/resources/*` - Contains application properties, xml, and sql files for different environments.

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- 3. Optional: To startup application first time in command: Navigate to `/beanframework/bin` and run `mvnw clean install` command.
 - To download dependencies, compile project and package project into jar application.
- 4. Optional: To run application, execute command `/beanframework/bin/server.bat` or `/beanframework/bin/server.sh`
- 5. Access application endpoints:
 - o Console: <http://localhost:8080/console>
 - o Backoffice: <http://localhost:8080/backoffice>
 - o Documentation: <http://localhost:8080/documentation>
- 6. Import sample data:
 - o Access Console: <http://localhost:8080/console>
 - o Login with default admin account: username: `admin` , password: `admin`
 - o Goto Platform->Update menu, check all and update.
- 7. You are good to go for run your project now!

Project Structure

- 1. Below is the beanframework folder structure:
 - o `bin` - Source files
 - `custom` - Create a custom modules and put in this folder, best practice for not mixing with original project structure and codes, and easily to upgrade software in future.
 - `install` - Install application as service in windows environments.
 - `modules` - Project default modules.
 - `platform` - Platform that startup this application with default properties. With IDE, it can run on server at `platform/src/main/java/com/beanframework/platform/PlatformApplication.java`
 - o `config` - Mainly use for application properties for different environments. You can create more files prefix with different environments such as `-dev.xml` , and assign `dev` to `spring.profiles.active=` in `application.properties`
 - `application.properties` - Highest priority properties file in Spring Boot.
 - `application-dev.properties` - Override default properties for dev environments.
 - `ehcache-dev.xml` - Cache configuration for dev environments.
 - `logback-dev.xml` - Logback configuration for dev environments.
 - `import/quartz-dev.xml` - Import quartz query for dev environments.
 - o `data` - Data storage for this application
 - `media` - All the media stored in this directory.
 - `integration` - Spring integration directory to process files. Can be used for import/export files.
 - o `log` - Application logging files, with archived rotated logging.
 - o `temp` - Application temporary files.