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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](#) .

License

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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 copy and remove **.template** suffix:
- beanframework/bin/ pom.xml.template

beanframework/bin/install/ server.bat.template

beanframework/bin/install/ server.sh.template

beanframework/bin/platform/ pom.xml.template

beanframework/config/ pom.xml.template

beanframework/config/src/main/resources/ *.template

beanframework/config/src/main/resources/import/dev.template

Optional: beanframework/bin/install/ app.xml.template

3. Open command prompt and navigate to **beanframework/bin** directory run:
- localhost:8080/documentation
- 1/3

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```
mvnw clean install
```

4. Navigate to `beanframework/bin/install` directory and run:

```
server.bat
```

5. Access application endpoints:

- Console: <http://localhost:8080/console>
- Backoffice: <http://localhost:8080/backoffice>
- Documentation: <http://localhost:8080/documentation>

6. Import update data:

- Access Console: <http://localhost:8080/console>
- Login with default admin account: username: **admin** , password: **admin**
- Goto menu **Platform->Update** , check all and update.

7. You are good to go for run your project now!

Project Structure

1. Below is the `beanframework` folder structure:

- `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/Run application manually or install as windows service.
 - `modules` - Project default modules.
 - `platform` - Platform that startup this application with configured modules.
- `config` - Mainly use for application properties and configurations for different environments.
- `data` - Data storage for this application
 - `media` - All the media stored in this directory.
 - `integration` - Spring Integration. Can be used for import data.
- `log` - Application logging files, with archived and rotated logging files.
- `temp` - Application temporary files.

Platform

Platform Configuration and Import Data

Configuration

`beanframework/bin/config/src/main/resources/`

- Configure environment:
 - `application.properties`
 - `spring.profiles.active=dev`
- Configure configurations and import data for environment:
 - `application-dev.properties` - Environment properties.
 - `ehcache-dev.xml` - Cache configuration.
 - `logback-dev.xml` - Logback configuration.
 - `import/dev` - Contains data to import

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Import Data

beanframework/bin/config/src/main/resources/import/

- dev/initdata/**/*.csv - Contains data to import every time when application startup.
 - module.imex.import.init.locations=classpath*:import/dev/initdata/**/*.csv
- dev/initsql/**/*.sql - Contains sql to execute every time when application startup.
 - platform.import.startup.enabled=true
 - platform.import.sql.locations=classpath*:import/dev/initsql/**/*.sql
- dev/updatedata - Contains data to import when manually performing platform update.
 - module.imex.import.update.locations=classpath*:import/dev/updatedata

Development

Development for developer

Module Gen

beanframework/bin/module/modulegen/

- Set module configuration src/main/resources/application.properties
- Run src/main/java/com/beanframework/modulegen/ModulegenApplication.java
- Generated module output: beanframework/bin/module/custom/

Configure new module in project:

- Add new module in beanframework/bin/pom.xml
- Add new dependency in beanframework/config/pom.xml
- Add new profile and packages in beanframework/config/src/main/resources/application.properties
 - spring.profiles.include=platform,console,backoffice,documentation,training
 - spring.scanBasePackages=com.beanframework,com.sample
 - jpa.domain.packagetoscans=com.beanframework.*.domain,com.sample.*.domain