

Getting Started



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Beanframework

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

Version: 3.0.0

Created: 2 May, 2021

Github: [Beanframework](#)

Update: 2 May, 2021

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/folder 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

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- `beanframework/config/pom.xml.template` - Contains project modules/dependencies configuration.
 - `beanframework/config/src/main/resources/*.template` - Contains application properties, ehcache and logback xml files for different environments.
 - `beanframework/config/src/main/resources/import/dev.template` - Contains sample data and sql
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:
- Console: <http://localhost:8080/console>
 - Backoffice: <http://localhost:8080/backoffice>
 - Documentation: <http://localhost:8080/documentation>
6. Import sample data:
- Access Console: <http://localhost:8080/console>
 - Login with default admin account: username: `admin` , password: `admin`
 - 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:
- `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`
 - `config` - Mainly use for application properties and configurations for different environments. You can create more files prefix with different environments such as `application-[environment].properties` , and assign `spring.profiles.active=[environment]` in `application.properties`
 - `application.properties` - Highest priority properties file in Spring Boot.
 - Example of dev environment properties and configurations:
 - `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/dev/sampledata/*.csv` - Contains sample data. - This can be configured in application-dev.properties:
 - `module.imex.import.location=classpath*:import/dev/sampledata/*.csv`
 - `import/dev/sql/*.sql` - Contains SQL query to be automatically executed every time when datasource connection is established or server startup.
- This can be configured in application-dev.properties:
 - `platform.import.startup.enabled=true`
 - `platform.import.startup=classpath*:import/dev/sql/*.sql`
 - `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.
 - `log` - Application logging files, with archived rotated logging.
 - `temp` - Application temporary files.