



Spring Roo in Eclipse

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Rapid application development tool for Spring

- Rapid results
- 100% development in Java
- Easy to use
- Fast and simple to remove
- Totally compromise free
- Comprehensive technology integrations
 - Active helpful community
 - Springsource certificated architecture
 - Extension points via Roo add-ons

Totally compromise free

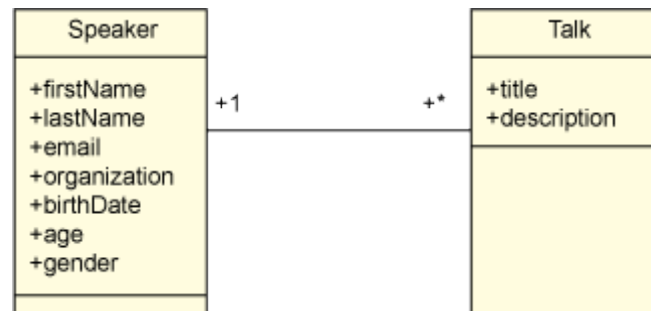
- Program in Java
- Full IDE support, but it can be used with command line
- No runtime portion
 - Excellent runtime performance, as there's no runtime memory usage, deployment footprint, control flow invocation time etc
 - Excellent runtime performance, as there's no runtime memory usage, deployment footprint, control flow invocation time etc
- No lock-in to Roo, as you can remove it from your project in just minutes
- Easy extensibility to new features thanks to OSGi-based add-on extensibility

Environment

- Command line with command completion and help like linux command line (tab)
- Plugin for eclipse
- Generates eclipse config for an existing Roo application
- Maven based applications
- Multi module handling

Demo

- Introduction Spring Roo from IBM
- Conference Demo Application



Demo

```
Java EE - gwt/src/main/resources/com/argus/gwt/shared/config.xml - Eclipse
File Edit Navigate Search Project Run Design Window Help
Quick Access Java EE Debug
Markers Properties Servers Data Source Exp Snippets Problems Console Progress Roo Shell Cross Reference JUnit Development Mo Variables Debug Breakpoints
Welcome to Spring Roo. For assistance press CTRL+SPACE or type "hint" then hit ENTER.
roo> module create --moduleName core --topLevelPackage org.xebia.conference.core --parent org.xebia.conference:conference:0.1.0.BUILD-SNAPSHOT
Created ROOT/core
Created ROOT/core/pom.xml
Created core|SPRING_CONFIG_ROOT
Created core|SPRING_CONFIG_ROOT/applicationContext.xml
Updated ROOT/pom.xml [added module core]
core roo> module focus --moduleName ~
roo> module create --moduleName view --topLevelPackage org.xebia.conference.view --packaging POM --java 6
Created ROOT/view
Created ROOT/view/pom.xml
Updated ROOT/pom.xml [added module view]
view roo> module create --moduleName gwt --topLevelPackage org.xebia.conference.view.gwt --java 6 --parent org.xebia.conference.view:view:0.1.0.BUILD-SNAPSHOT
Created view|ROOT/gwt
Created view|ROOT/gwt/pom.xml
Created view/gwt|SPRING_CONFIG_ROOT
Created view/gwt|SPRING_CONFIG_ROOT/applicationContext.xml
Updated view|ROOT/pom.xml [added module gwt]
view/gwt roo> module focus --moduleName view
view roo> module create --moduleName mvc --topLevelPackage org.xebia.conference.view.mvc --java 6 --parent org.xebia.conference.view:view:0.1.0.BUILD-SNAPSHOT
Created view|ROOT/mvc
Created view|ROOT/mvc/pom.xml
Created view/mvc|SPRING_CONFIG_ROOT
Created view/mvc|SPRING_CONFIG_ROOT/applicationContext.xml
Updated view|ROOT/pom.xml [added module mvc]
view/mvc roo> module focus --moduleName core
core roo> jpa setup --database DERBY_EMBEDDED --provider HIBERNATE
Created core|SPRING_CONFIG_ROOT/database.properties
Please update your database details in src/main/resources/META-INF/spring/database.properties.
Updated core|SPRING_CONFIG_ROOT/applicationContext.xml
Created core|SRC_MAIN_RESOURCES/META-INF/persistence.xml
Updated core|ROOT/pom.xml [added dependencies org.apache.derby:derby:10.8.2.2, org.hibernate:hibernate-core:3.6.9.Final, org.hibernate:hibernate-entitymanager:3.6.9.Final, org.hibernate.javax.persistence:hibernate-jpa-2.0-api:1.0.1.Final, commons-collections:commons-collections:3.2.1, org.hibernate:hibernate-validator:4.2.0.Final, javax.validation:validation-api:1.0.0.GA, cglib:cglib-nopdep:2.2.2, javax.transaction:jta:1.1, org.springframework:spring-jdbc:${spring.version}, org.springframework:spring-orm:${spring.version}, commons-pool:commons-pool:1.5.6, commons-dbcp:commons-dbcp:1.3]
core roo> entity jpa --class ~.domain.Speaker --testAutomatically --activeRecord false --serializable
Created core|SRC_MAIN_JAVA/org/xebia/conference/core/domain
Created core|SRC_MAIN_JAVA/org/xebia/conference/core/domain/Speaker.java
Created core|SRC_TEST_JAVA/org/xebia/conference/core/domain
Created core|SRC_TEST_JAVA/org/xebia/conference/core/domain/SpeakerDataOnDemand.java
Created core|SRC_TEST_JAVA/org/xebia/conference/core/domain/SpeakerIntegrationTest.java
Created core|SRC_MAIN_JAVA/org/xebia/conference/core/domain/Speaker_Roo_Serializable.aj
Created core|SRC_MAIN_JAVA/org/xebia/conference/core/domain/Speaker_Roo_Jpa_Entity.aj
Created core|SRC_MAIN_JAVA/org/xebia/conference/core/domain/Speaker_Roo_ToString.aj
Created core|SRC_TEST_JAVA/org/xebia/conference/core/domain/SpeakerDataOnDemand_Roo_Configurable.aj
Created core|SRC_TEST_JAVA/org/xebia/conference/core/domain/SpeakerIntegrationTest_Roo_Configurable.aj
core|~.domain.Speaker roo>
roo>
xebia
```

Sources

- <http://www.springsource.org/spring-roo>
- <http://www.ibm.com/developerworks/library/os-spring>
- <http://spring-roo-repository.springsource.org/Getting>
- <http://www.manning.com/rimple/>