

# Java EE

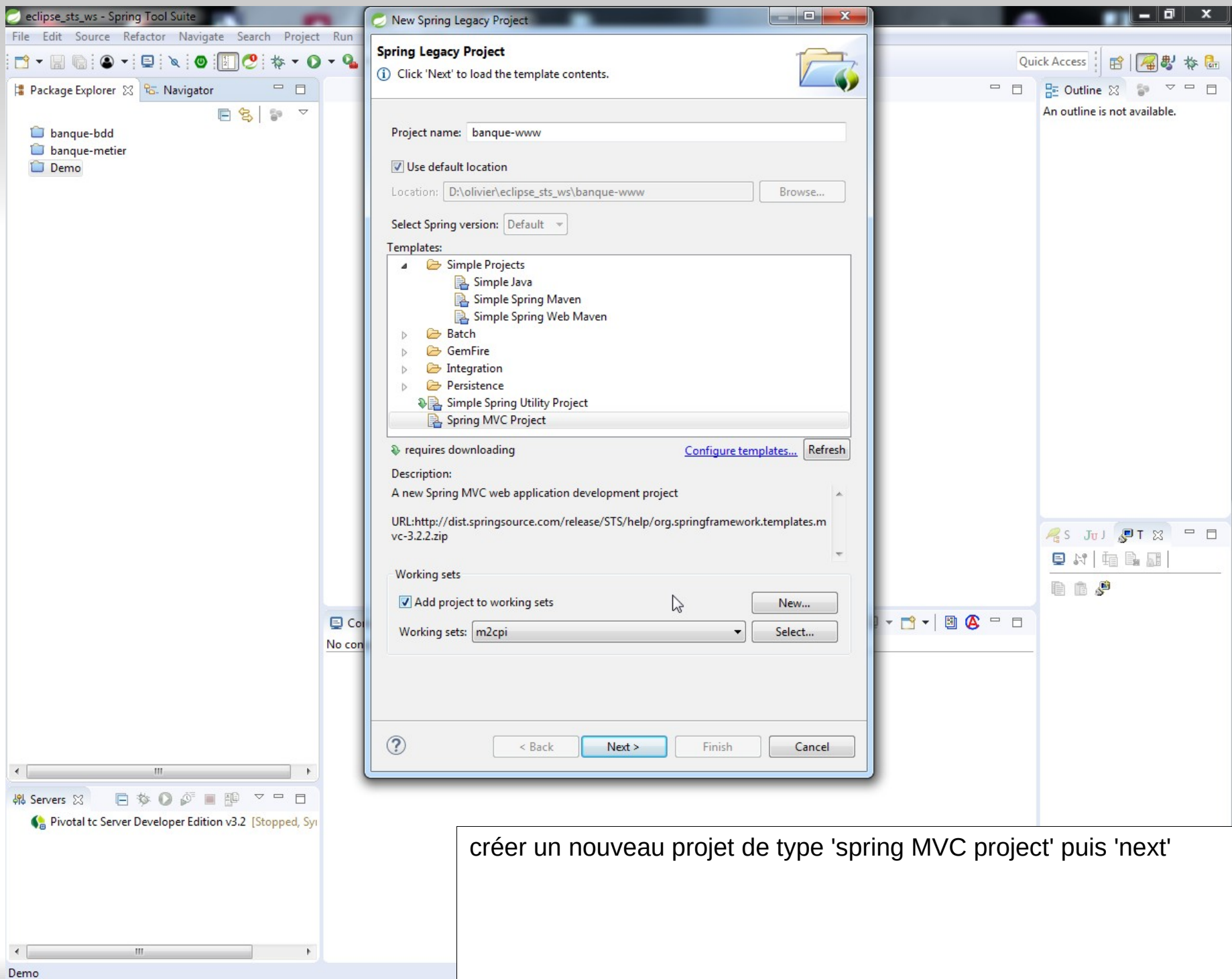
Olivier Gutierrez

Le framework Spring

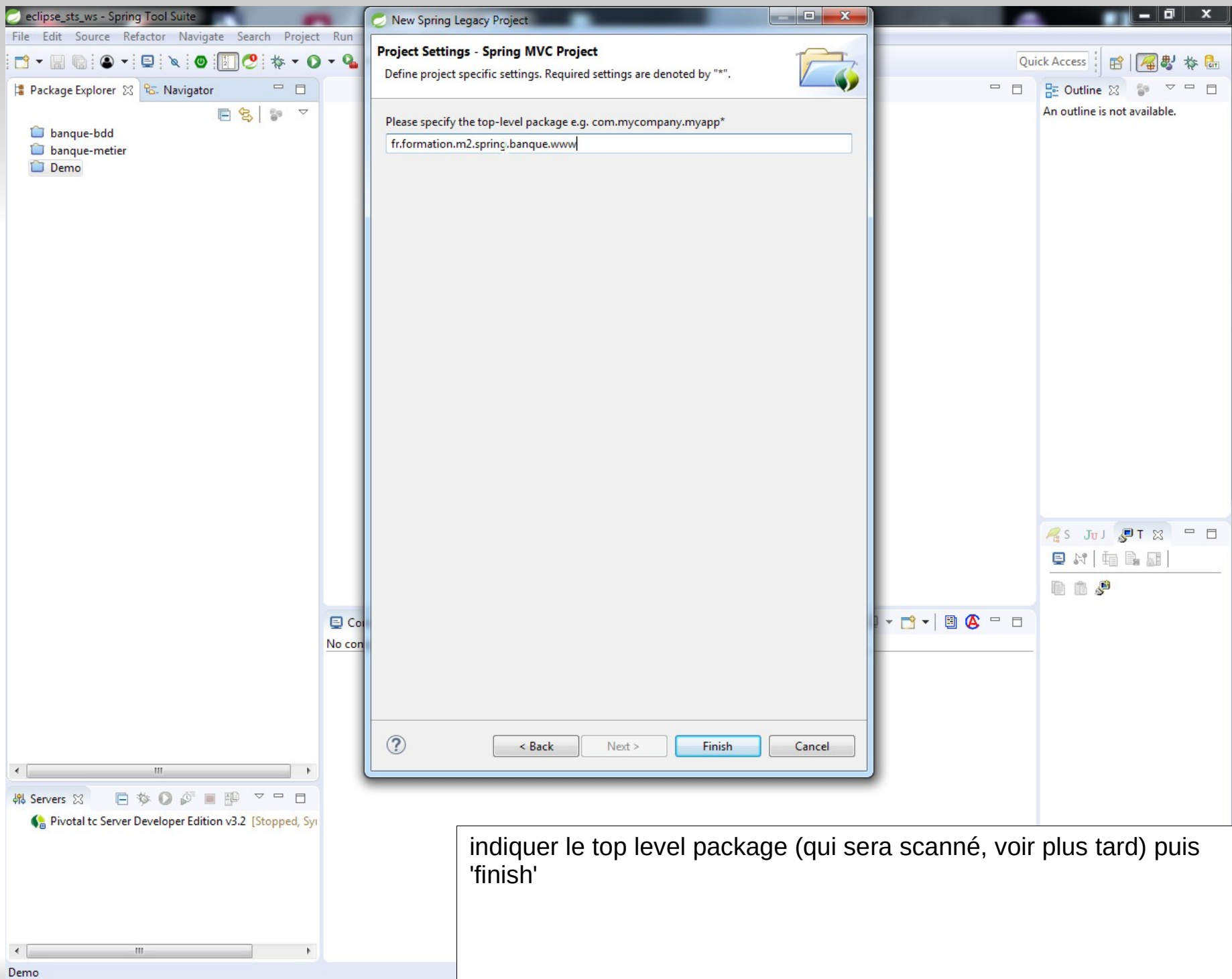
Spring MVC : projet banque



# Création d'un projet web et liaison aux projets banque



créer un nouveau projet de type 'spring MVC project' puis 'next'



indiquer le top level package (qui sera scanné, voir plus tard) puis 'finish'

eclipse\_sts\_ws - banque-www/pom.xml - Spring Tool Suite

File Edit Navigate Search Project Run Design Window Help

Package Explorer

- banque-bdd [banque-bdd master]
- banque-metier [banque-metier master]
  - src/main/java
  - src/main/resources
  - src/test/java
- JRE System Library [J2SE-1.5]
- Maven Dependencies
- src
- target
- pom.xml
- readme.md
- banque-www
  - src/main/java
    - fr.formation.m2
      - HomeController.java
      - HomeController
      - logger
      - home(Locale, Model) : String
  - src/main/resources
    - META-INF
    - log4j.xml
  - src/test/java
    - fr.formation.m2
  - src/test/resources
    - log4j.xml
  - JRE System Library [JavaSE-1.6]
  - Maven Dependencies
  - src
  - target
  - pom.xml
  - Demo

Dependencies

Filter:

Dependencies

- spring-context : \${org.springframework-versions}
- spring-webmvc : \${org.springframework-versions}
- aspectjrt : \${org.aspectj-version}
- slf4j-api : \${org.slf4j-version}
- jcl-over-slf4j : \${org.slf4j-version} [runtime]
- slf4j-log4j12 : \${org.slf4j-version} [runtime]
- log4j : 1.2.15 [runtime]
- javax.inject : 1
- servlet-api : 2.5 [provided]
- jsp-api : 2.1 [provided]
- jstl : 1.2
- junit : 4.7 [test]

To manage your transitive dependency exclusions, please see the documentation.

Overview Dependencies Dependency Hierarchy Effective

Console Progress Problems Search

No consoles to display at this time.

Select Dependency

Group Id: \* org.springframework.samples

Artifact Id: \* banque-metier

Version: 0.0.1-SNAPSHOT Scope: compile

Enter groupId, artifactId or sha1 prefix or pattern (\*):

banque

Search Results:

- fr.formation banque-business
- fr.formation banque-persistence
- org.springframework.samples banque-bdd
- org.springframework.samples banque-business
- org.springframework.samples banque-metier
  - 0.0.1-SNAPSHOT [jar]
- org.springframework.samples banque-persistence

OK Cancel

ajout de la dépendance à banque-metier

**(ATTENTION : si les projets sont fermés dans l'EDI, ils n'apparaîtront pas dans les propositions)**

eclipse\_sts\_ws - banque-www/pom.xml - Spring Tool Suite

File Edit Navigate Search Project Run Design Window Help

Package Explorer Navigator

- banque-bdd [banque-bdd master]
- banque-metier [banque-metier master]
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- src
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- banque-www
  - src/main/java
    - fr.formation.m2
      - HomeController.java
        - HomeController
        - logger
        - home(Locale, Model) : String
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    - META-INF
    - log4j.xml
  - src/test/java
    - fr.formation.m2
  - src/test/resources
    - log4j.xml
  - JRE System Library [JavaSE-1.6]
  - Maven Dependencies
  - src
  - target
  - pom.xml
  - Demo

\*banque-www/pom.xml

### Dependencies

Filter:

Dependencies

- spring-context : \${org.springframework-versions}
- spring-webmvc : \${org.springframework-versions}
- aspectjrt : \${org.aspectj-version}
- slf4j-api : \${org.slf4j-version}
- jcl-over-slf4j : \${org.slf4j-version} [runtime]
- slf4j-log4j12 : \${org.slf4j-version} [runtime]
- log4j : 1.2.15 [runtime]
- javax.inject : 1
- servlet-api : 2.5 [provided]
- jsp-api : 2.1 [provided]
- jstl : 1.2
- junit : 4.7 [test]
- banque-metier : 0.0.1-SNAPSHOT
- banque-bdd : 0.0.1-SNAPSHOT

Dependency Management

To manage your transitive dependency exclusions, please use the [Dependency Hierarchy](#) page.

Overview Dependencies **Dependency Hierarchy** Effective POM pom.xml

Console Progress Problems Search Properties

No consoles to display at this time.

Servers

- Pivotal tc Server Developer Edition v3.2 [Stopped, Re
- banque-www [Stopped, Republish]

Outline

- project xmlns=http://maven

idem pour la dépendance à banque-bdd

The screenshot shows the Eclipse IDE interface with the 'banque-www/pom.xml' file open. The 'Overview' tab is active, displaying the following details:

- Artifact:** Group Id: fr.formation, Artifact Id: m2, Version: 1.0.0-BUILD-SNAPSHOT, Packaging: war
- Parent:** (empty)
- Properties:** java-version : 1.6, org.springframework-version : 3.1.1.RELEASE, org.aspectj-version : 1.6.10, org.springframework-version : 1.6.5
- Modules:** (empty)

An 'Edit property' dialog box is open, showing the 'Name' as 'org.springframework-version' and the 'Value' as '4.3.0.RELEASE'. The 'OK' button is highlighted.

The Package Explorer on the left shows the project structure, including 'banque-bdd', 'banque-metier', and 'banque-www'. The 'banque-www' project contains 'src/main/java', 'src/main/resources', 'src/test/java', 'src/test/resources', 'target', 'pom.xml', and 'readme.md'. The 'src/main/java' directory contains 'fr.formation.m2', 'HomeController.java', 'HomeController', 'logger', and 'home(Locale, Model) : String'. The 'src/main/resources' directory contains 'META-INF', 'log4j.xml', and 'fr.formation.m2'. The 'src/test/java' directory contains 'fr.formation.m2' and 'log4j.xml'. The 'src/test/resources' directory contains 'log4j.xml'. The 'target' directory contains 'pom.xml' and 'Demo'.

The Outline view on the right shows the 'project xmlns=http://maven'.

The bottom status bar indicates 'No consoles to display at this time.'

aligner à nouveau la version de spring framework avec celle des projets liés

eclipse\_sts\_ws - banque-www/pom.xml - Spring Tool Suite

File Edit Source Refactor Navigate Search Project Run Design Window Help

Package Explorer Navigator

banque-bdd [banque-bdd master]  
banque-metier [banque-metier master]  
src/main/java  
src/main/resources  
src/test/java  
JRE System Library [J2SE-1.5]

Overview

Artifact

Group Id: fr.formation  
Artifact Id: m2  
Version: 1.0.0-BUILD-SNAPSHOT

Project

Name: banque-www  
URL:  
Description:  
Inception:  
Organization  
SCM  
Issue Management  
Continuous Integration

Dependencies Dependency Hierarchy Effective POM pom.xml

Progress Problems Search Properties

Run As

- 1 Run on Server Alt+Shift+X, R
- 2 Java Application Alt+Shift+X, J
- 3 JUnit Test Alt+Shift+X, T
- 4 Maven build Alt+Shift+X, M
- 5 Maven build...
- 6 Maven clean

lancer maven install pour vérifier que les dépendances sont correctes



eclipse\_sts\_ws - banque-www/pom.xml - Spring Tool Suite

File Edit Source Refactor Navigate Search Project Run Design Window Help

Package Explorer Navigator

banque-bdd [banque-bdd master]  
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src/main/java  
src/main/resources  
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JRE System Library [J2SE-1.5]  
Maven Dependencies  
src  
target  
pom.xml  
readme.md  
banque-www  
src/main/java  
fr.formation.m2  
HomeController.java  
HomeController  
logger  
home(Locale, Model) : String  
src/main/resources  
META-INF  
log4j.xml  
src/test/java  
fr.formation.m2  
src/test/resources  
log4j.xml  
JRE System Library [JavaSE-1.6]  
Maven Dependencies  
src  
target  
pom.xml  
Demo

Overview

Artifact

Group Id: fr.formation  
Artifact Id: \* m2  
Version: 1.0.0-BUILD-SNAPSHOT  
Packaging: war

Project

Name: banque-www  
URL:  
Description:

Parent

Properties

java-version : 1.6  
org.springframework-version : 4.3.0.RELEASE  
org.aspectj-version : 1.6.10  
spring-servlet-version : 1.6.5

Modules

Organization  
SCM  
Issue Management  
Continuous Integration

Console Progress Problems Search Properties

<terminated> C:\Program Files\Java\jdk1.8.0\_92\bin\javaw.exe (6 févr. 2018 à 19:04:40)

```
[INFO] Copying 1 resource
[INFO] --- maven-compiler-plugin:2.5.1:testCompile (default-testCompile) @ m2 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ m2 ---
[INFO] --- maven-war-plugin:2.2:war (default-war) @ m2 ---
[INFO] Packaging webapp
[INFO] Assembling webapp [m2] in [D:\olivier\eclipse_sts_ws\banque-www\target\m2-1.0.0-BUILD-SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [D:\olivier\eclipse_sts_ws\banque-www\src\main\webapp]
[INFO] Webapp assembled in [115 msecs]
[INFO] Building war: D:\olivier\eclipse_sts_ws\banque-www\target\m2-1.0.0-BUILD-SNAPSHOT.war
[INFO] WEB-INF\web.xml already added, skipping
[INFO] --- maven-install-plugin:2.4:install (default-install) @ m2 ---
[INFO] Installing D:\olivier\eclipse_sts_ws\banque-www\target\m2-1.0.0-BUILD-SNAPSHOT.war to C:\Users\c
[INFO] Installing D:\olivier\eclipse_sts_ws\banque-www\pom.xml to C:\Users\olivier\.m2\repository\fr\fc
[INFO] BUILD SUCCESS
[INFO] Total time: 2.441 s
[INFO] Finished at: 2018-02-06T19:04:44+01:00
[INFO] Final Memory:
[INFO]
```

banque-www

banque-www [Stopped, Republish]

2019\_ms2i1\_JeeSpring\_doc10\_cours10\_Banque\_www.odp

BUILD SUCCESS

eclipse\_sts\_ws - banque-www/src/main/webapp/WEB-INF/spring/root-context.xml - Spring Tool Suite

File Edit Source Refactor Navigate Search Project Run Design Window Help

Package Explorer Navigator

banque-bdd [banque-bdd master]

- src/main/java
- src/main/resources
  - bdd-context.xml
- src/test/java
- JRE System Library [J2SE-1.5]
- Maven Dependencies
- src
- target
- bdd-context.xml
- pom.xml

banque-metier [banque-metier master]

- src/main/java
- src/main/resources
  - metier-context.xml
- src/test/java
- JRE System Library [J2SE-1.5]
- Maven Dependencies
- src
  - main
    - test
- target
- pom.xml
- readme.md

banque-www

- src/main/java
  - fr.formation.web
    - HomeController.java
      - HomeController
        - logger
        - home(Locale, Model) : String
  - src/main/resources
  - src/test/java
  - src/test/resources
  - JRE System Library [JavaSE-1.6]
  - Maven Dependencies

Servers

Pivotal tc Server Developer Edition v3.2 [Stopped]

banque-www/pom.xml HomeController.java root-context.xml servlet-context.xml

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <beans xmlns="http://www.springframework.org/schema/beans"
3     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4     xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans.xsd">
5
6     <!-- Root Context: defines shared resources visible to all other web components -->
7     <import resource="classpath:bdd-context.xml"/>
8     <import resource="classpath:metier-context.xml"/>
9 </beans>
10

```

Outline

xml

- beans xmlns=http://www.sp

Source Namespaces Overview beans Beans Graph

Console Progress Problems Search Properties

```

<terminated> C:\Program Files\Java\jdk1.8.0_92\bin\javaw.exe (6 févr. 2018 à 19:21:42)
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ web ---
[INFO]
[INFO] --- maven-war-plugin:2.2:war (default-war) @ web ---
[INFO] Packaging webapp
[INFO] Assembling webapp [web] in [D:\olivier\eclipse_sts_ws\banque-www\target\web-1.0.0-BUILD-SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [D:\olivier\eclipse_sts_ws\banque-www\src\main\webapp]
[INFO] Webapp assembled in [239 msecs]
[INFO] Building war: D:\olivier\eclipse_sts_ws\banque-www\target\web-1.0.0-BUILD-SNAPSHOT.war
[INFO] WEB-INF\web.xml already added, skipping
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ web ---
[INFO] Installing D:\olivier\eclipse_sts_ws\banque-www\target\web-1.0.0-BUILD-SNAPSHOT.war to C:\Users\olivier\m2\repository\fr\formation\web\web-1.0.0-BUILD-SNAPSHOT.war
[INFO] Installing D:\olivier\eclipse_sts_ws\banque-www\pom.xml to C:\Users\olivier\m2\repository\fr\formation\web\pom.xml
[INFO] BUILD SUCCESS
[INFO] Total time: 0.541s
[INFO] Finished at: 2018-02-06 19:21:42
[INFO] Final Memory: 10M
[INFO]

```

bdd-context.xml - banque-bdd/src/main/resources

indiquer les fichiers de contexte des autres projets dans root-context.xml