

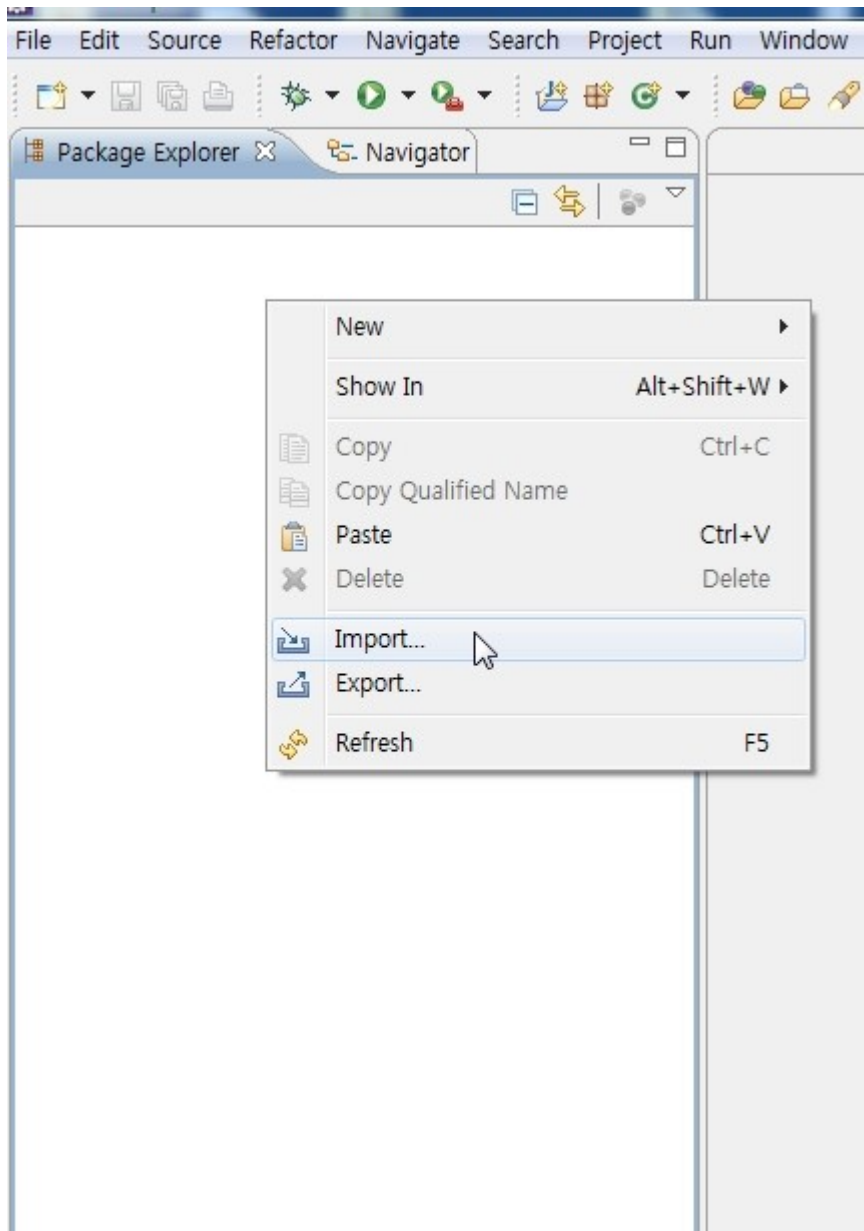
Batch Execution Environment Examples

Installations

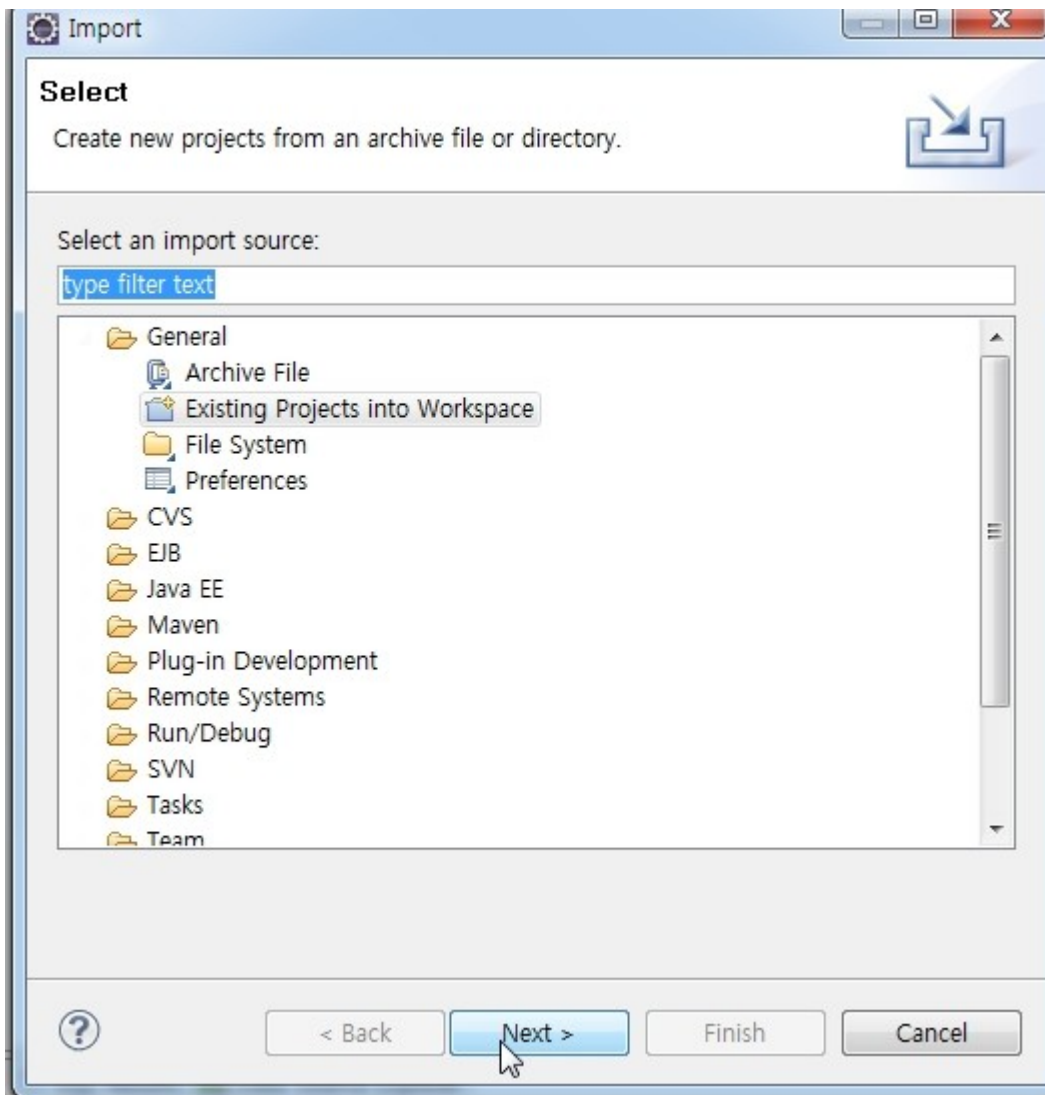
Basics

Visit eGovFramework Home and download the source files of batch execution environment. You must have m2 Eclipse installed in your PC. [Download here.](#)

1. In Package Explorer, right click to import the source.

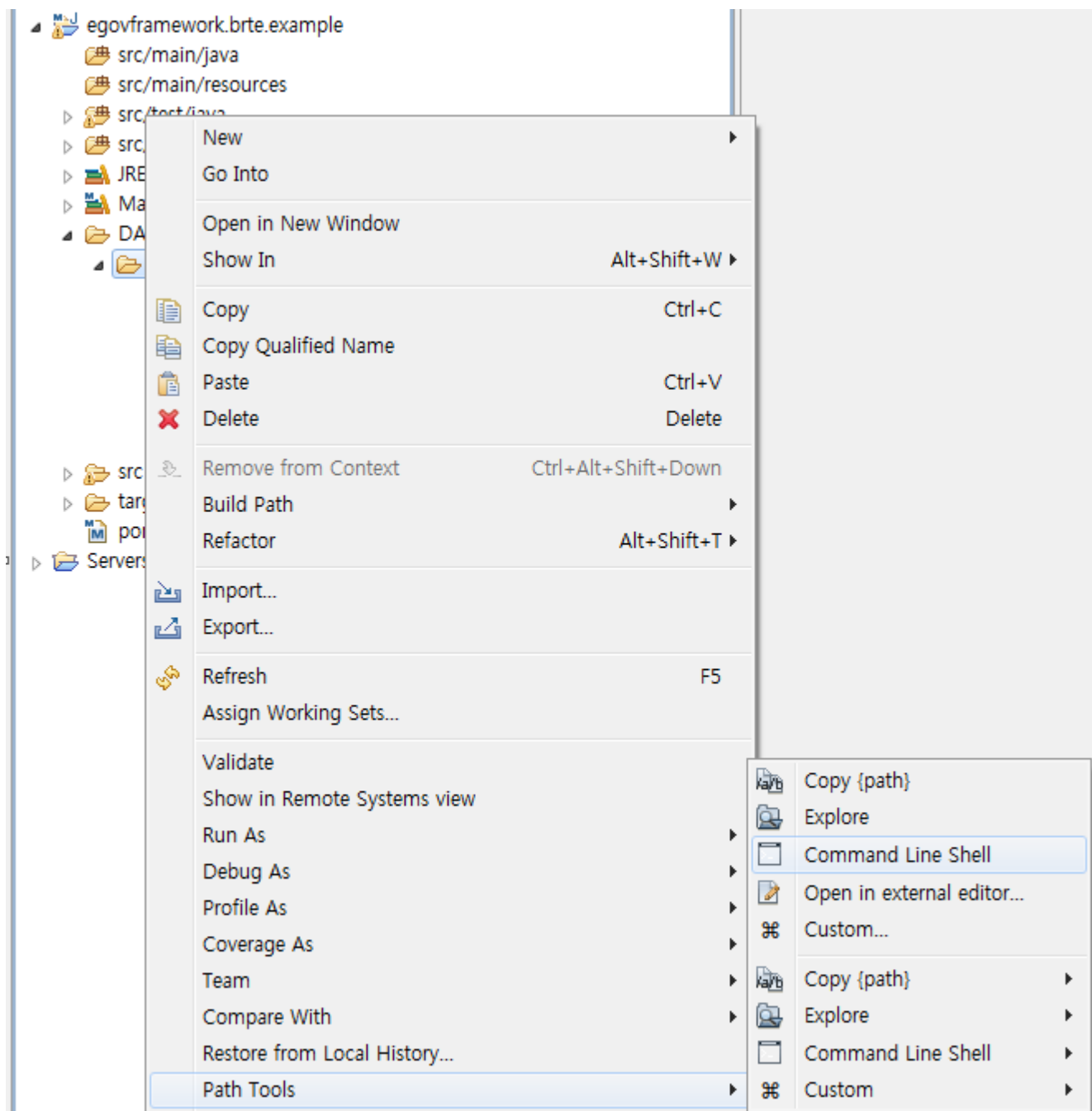


2. Go General>Existing Projects into Workspace and choose the folder where you have unzipped.

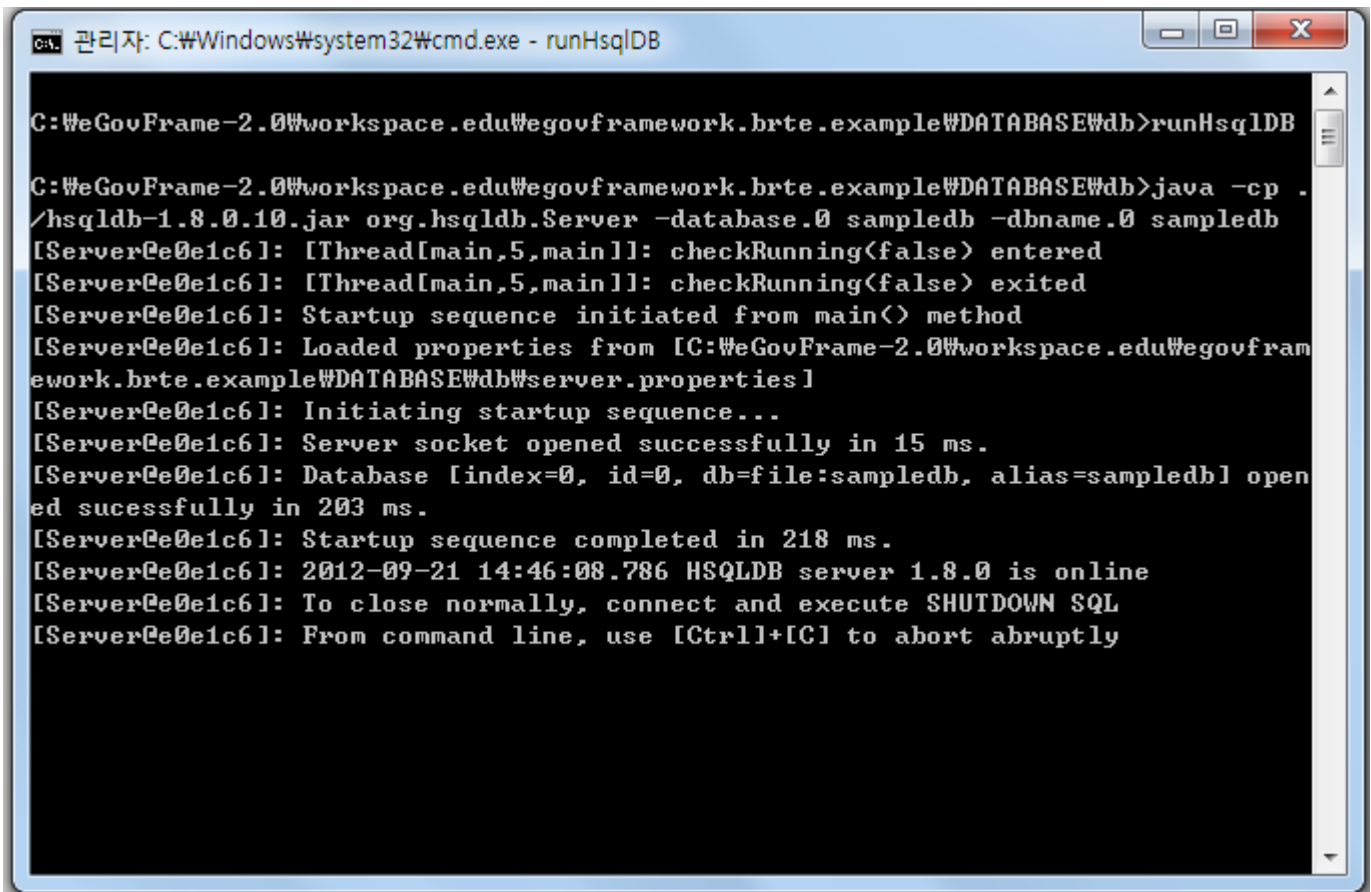


3. Note that the batch example provides you with HSQL DB that executes runHsqlDB.cmd to run the DB.

- In egovframework.brte.example\database\db, right click to choose Path Tools>Commands Line Shell.



- In Command Prompt, command runHsqlDB to run runHsqlDB.cmd.



```
C:\WeGovFrame-2.0\workspace.edu\egovframework.brte.example\DATABASE\db>runHsqldb

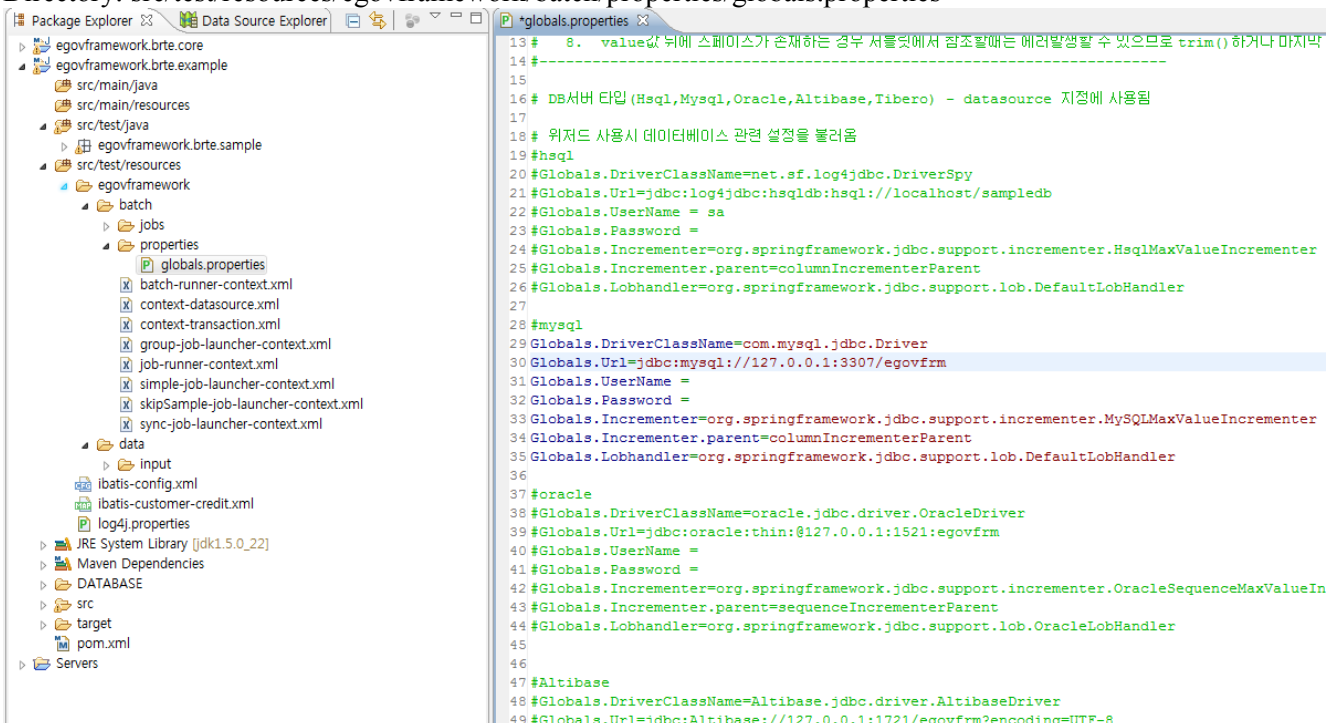
C:\WeGovFrame-2.0\workspace.edu\egovframework.brte.example\DATABASE\db>java -cp .
/hsqldb-1.8.0.10.jar org.hsqldb.Server -database.0 sampledbs -dbname.0 sampledbs
[Server@0e1c6]: [Thread[main,5,main]]: checkRunning(false) entered
[Server@0e1c6]: [Thread[main,5,main]]: checkRunning(false) exited
[Server@0e1c6]: Startup sequence initiated from main() method
[Server@0e1c6]: Loaded properties from [C:\WeGovFrame-2.0\workspace.edu\egovframework.brte.example\DATABASE\db\server.properties]
[Server@0e1c6]: Initiating startup sequence...
[Server@0e1c6]: Server socket opened successfully in 15 ms.
[Server@0e1c6]: Database [index=0, id=0, db=file:sampledbs, alias=sampledbs] opened successfully in 203 ms.
[Server@0e1c6]: Startup sequence completed in 218 ms.
[Server@0e1c6]: 2012-09-21 14:46:08.786 HSQLDB server 1.8.0 is online
[Server@0e1c6]: To close normally, connect and execute SHUTDOWN SQL
[Server@0e1c6]: From command line, use [Ctrl]+[C] to abort abruptly
```

✓ When Path Tools>Commands Line Shell is not available, click on runHsqldb in \database\db of the concerned project directory.

Non-HSQL DB Linkage

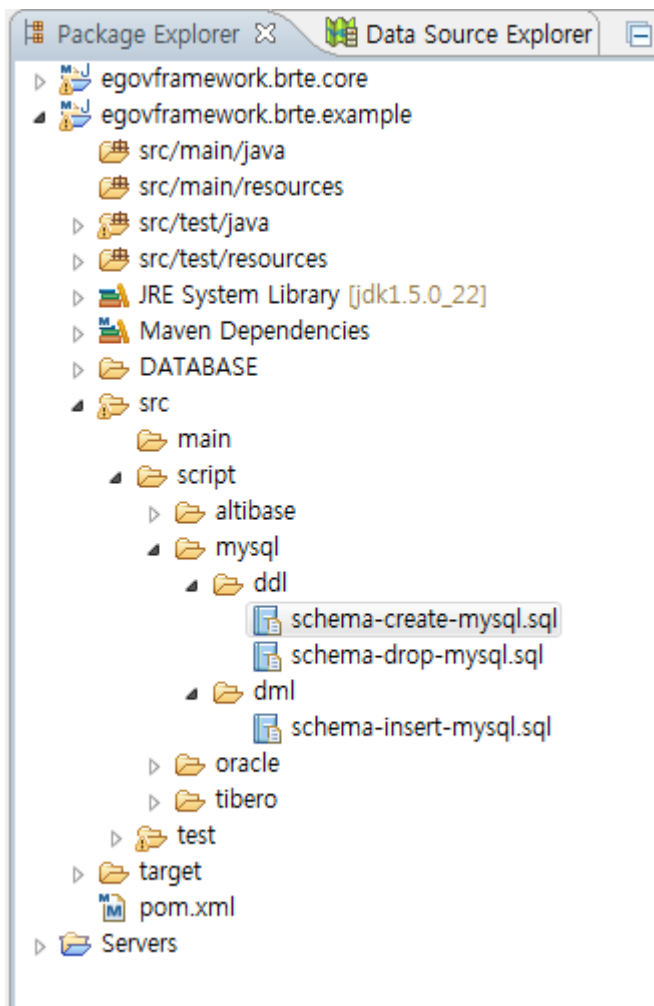
1. Update the DB information out of the source imported.

Directory: src/test/resources/egovframework/batch/properties/globals.properties



```
13 # 8. value값 뒤에 스페이스가 존재하는 경우 서블릿에서 참조할때는 예외발생할 수 있으므로 trim() 하거나 마지막
14 #-----
15
16 # DB서버 타입 (Hsql, Mysql, Oracle, Altibase, Tiberio) - datasource 지정에 사용됨
17
18 # 위저드 사용시 데이터베이스 관련 설정을 불러옴
19 #hsqldb
20 #Globals.DriverClassName=net.sf.log4jdbc.DriverSpy
21 #Globals.Url=jdbc:log4jdbc:hsqldb:hsqldb://localhost/sampledbs
22 #Globals.UserName = sa
23 #Globals.Password =
24 #Globals.Incrementer=org.springframework.jdbc.support.incrementer.HsqlMaxValueIncrementer
25 #Globals.Incrementer.parent=columnIncrementerParent
26 #Globals.Lobhandler=org.springframework.jdbc.support.lob.DefaultLobHandler
27
28 #mysql
29 #Globals.DriverClassName=com.mysql.jdbc.Driver
30 #Globals.Url=jdbc:mysql://127.0.0.1:3307/egovfrm
31 #Globals.UserName =
32 #Globals.Password =
33 #Globals.Incrementer=org.springframework.jdbc.support.incrementer.MySQLMaxValueIncrementer
34 #Globals.Incrementer.parent=columnIncrementerParent
35 #Globals.Lobhandler=org.springframework.jdbc.support.lob.DefaultLobHandler
36
37 #oracle
38 #Globals.DriverClassName=oracle.jdbc.driver.OracleDriver
39 #Globals.Url=jdbc:oracle:thin:@127.0.0.1:1521:egovfrm
40 #Globals.UserName =
41 #Globals.Password =
42 #Globals.Incrementer=org.springframework.jdbc.support.incrementer.OracleSequenceMaxValueIncrementer
43 #Globals.Incrementer.parent=sequenceIncrementerParent
44 #Globals.Lobhandler=org.springframework.jdbc.support.lob.OracleLobHandler
45
46
47 #Altibase
48 #Globals.DriverClassName=Altibase.jdbc.driver.AltibaseDriver
49 #Globals.Url=jdbc:Altibase://127.0.0.1:1721/egovfrm?encoding=UTF-8
```

2. Refer to the script of the concerned DB in src/script, generate a table and add the relevant data.



Keep in mind when linking the DB:

Make sure you configure for the following when intending to establish a connection to either Altibase or Tibero:

✓ Note that altibase and tibero are not supported. You'll thus need to set 'oracle' for databaseType in jobRepository to use either altibase or tibero.

- batch-runner-context.xml
- group-job-launcher-context.xml
- simple-job-launcher-context.xml
- sync-job-launcher-context.xml

```
<bean id="jobRepository" class="org.springframework.batch.core.repository.support.JobRepositoryFactoryBean"
      p:dataSource-ref="dataSource" p:databaseType="oracle" p:transactionManager-
      ref="transactionManager" p:lobHandler-ref="lobHandler"/>
```

✓ Make sure you configure databaseType in queryProvider of JdbcPagingItemReader for "oracle".

```
<bean id="itemReader" class="org.springframework.batch.item.database.JdbcPagingItemReader" scope="step">
  <property name="dataSource" ref="dataSource" />
  <property name="rowMapper">
    <bean class="egovframework.brte.sample.common.domain.trade.CustomerCreditRowMapper" />
  </property>
  <property name="queryProvider">
    <bean
      class="org.springframework.batch.item.database.support.SqlPagingQueryProviderFactoryBean">
      <property name="dataSource" ref="dataSource"/>
      <property name="databaseType" value="oracle"/>
      <property name="sortKey" value="ID" />
```