http://www.egovframe.go.kr/wiki/doku.php?id=egovframework:dev2.5:imp:editor:create_batch_job_exec_wizard

Batch Job Launcher Wizard

Outline

This wizard automatically creates Batch Job Execution file for user convenience in accordance with user settings.

Description

This wizard creates a file containing information such as JobLauncher, JobOperator, JobExplorer, and Job Registry, which are components necessary for proper execution of a Batch Job.

- Description of Batch Job Execution Items

Item	Description	Default Value
Launcher ID	This executes the Batch Job	jobLauncher
Execution Type	Choose either Synchronous, Asynchronous as Job execution settings.	Select Synchronous
Operator ID	Used for standard monitoring tasks by controlling Job.	jobOperator
Explorer ID	Access Repository to access information on the Batch Job.	jobExplorer
Registry ID	Enables Job junctions such as Add and Delete in a Map format.	jobRegistry
Repository Type	This contains the fuction s of CRUD. Select and use DB(Reference), DB(New), or Memory.	Select DB(Reference)

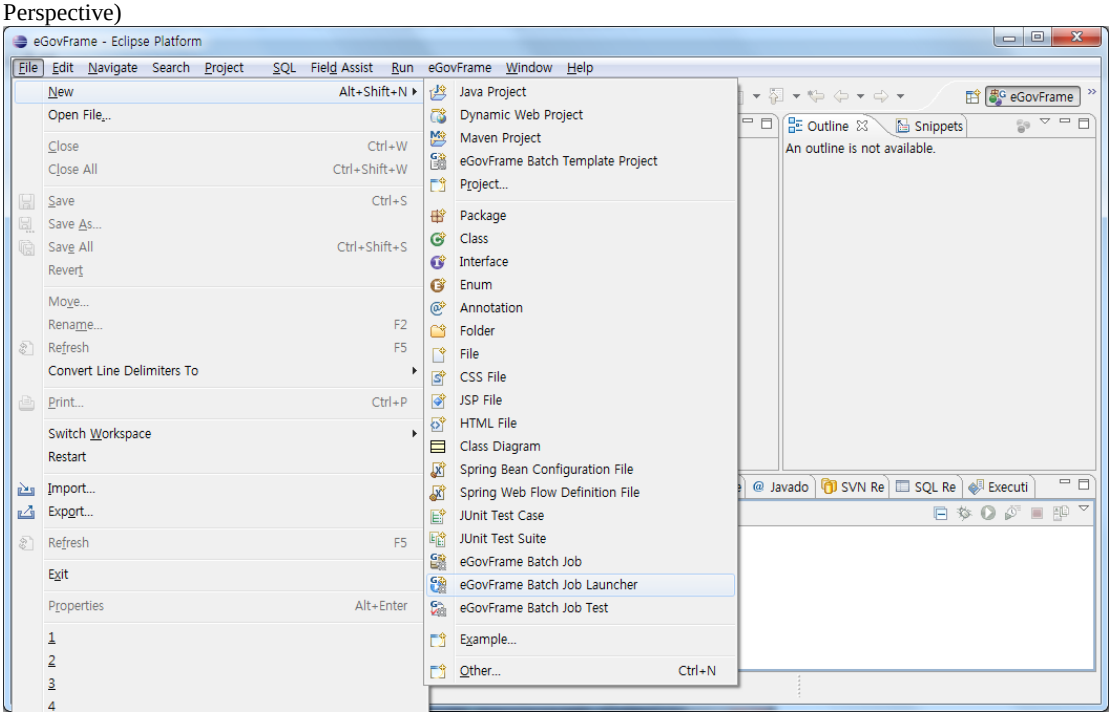
✔Caution
Repository Type can only be used when JobRepository setting does not exist within the project. Therefore, only one JobRepository can exist for a project.
This is because **context-batch-job-launcher.xml** is equipped with an internal **SimpleJobLauncher**, where the Bean ID is set to use jobRepository in class. Further, this is because Bean ID is internally set to read jobRepository in class in processing Job and Step.

✔Tip
Developers who have previously used the eGov Standard Framework Project can use the Batch Development Environment simply by adding the Batch Nature

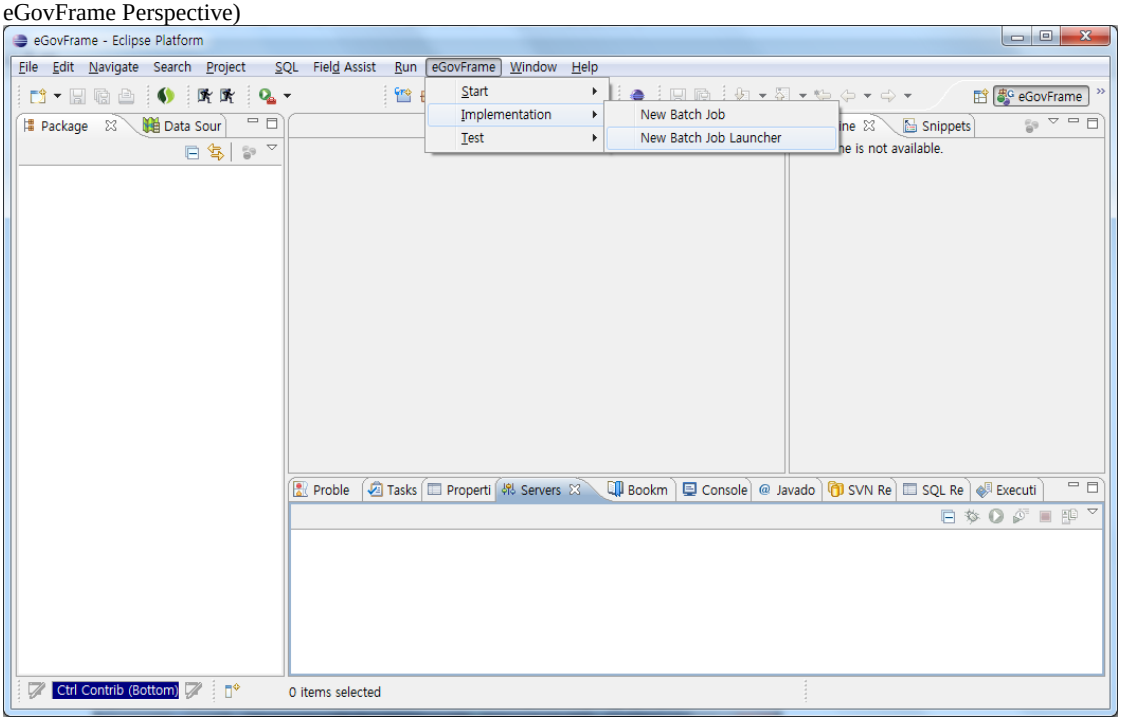
How to Use

1. Starting Batch Job file creation/execution wizard

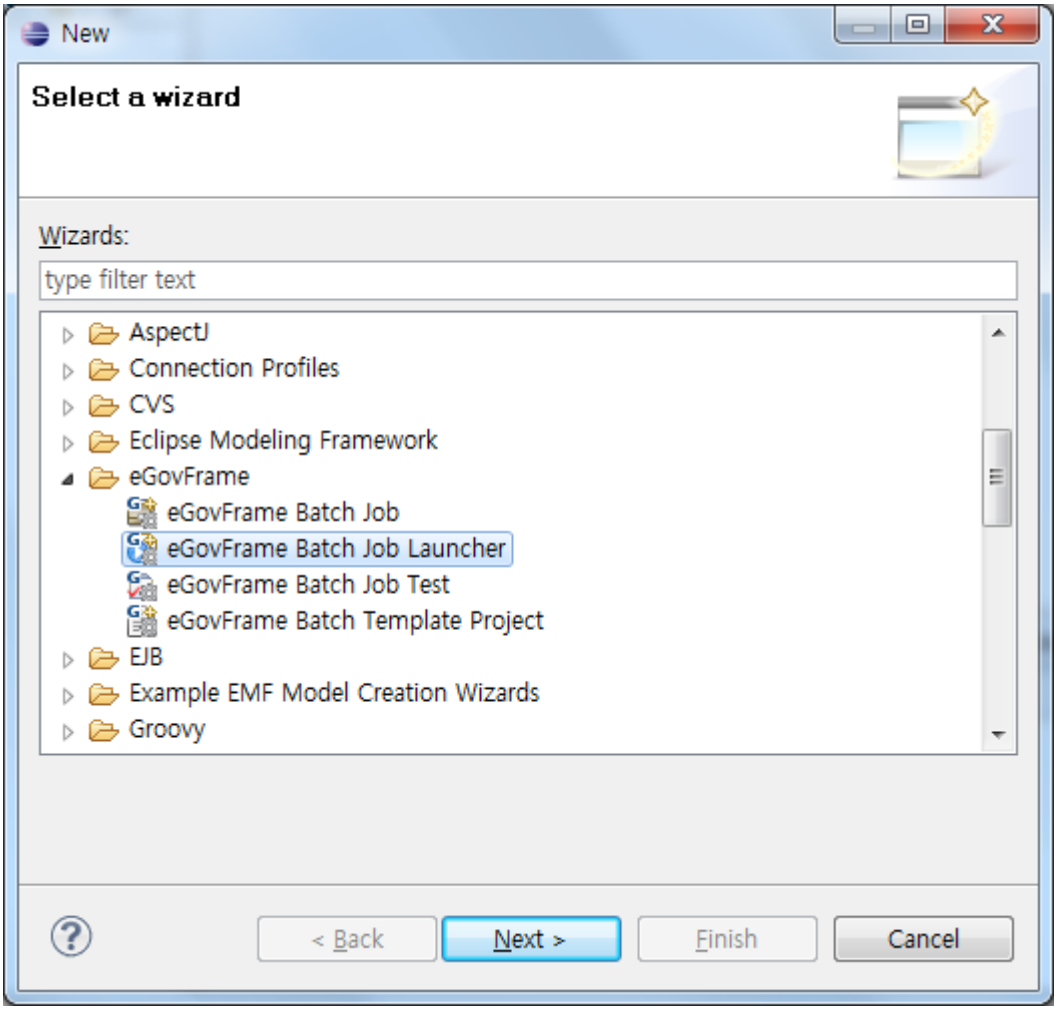
- In the menu bar, choose **File** > **New** > **eGovFrame Batch Job Launcher**. (Only in eGovFrame Perspective)



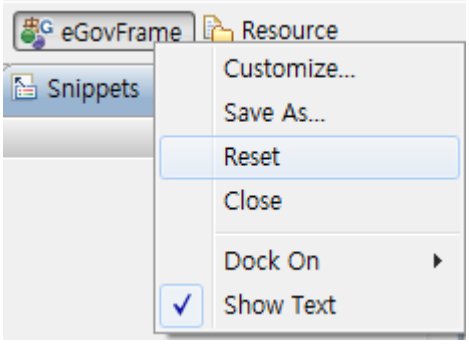
- Or choose **eGovFrame** > **Implementation** > **New Batch Job Launcher** in the menu bar. (Only in eGovFrame Perspective)



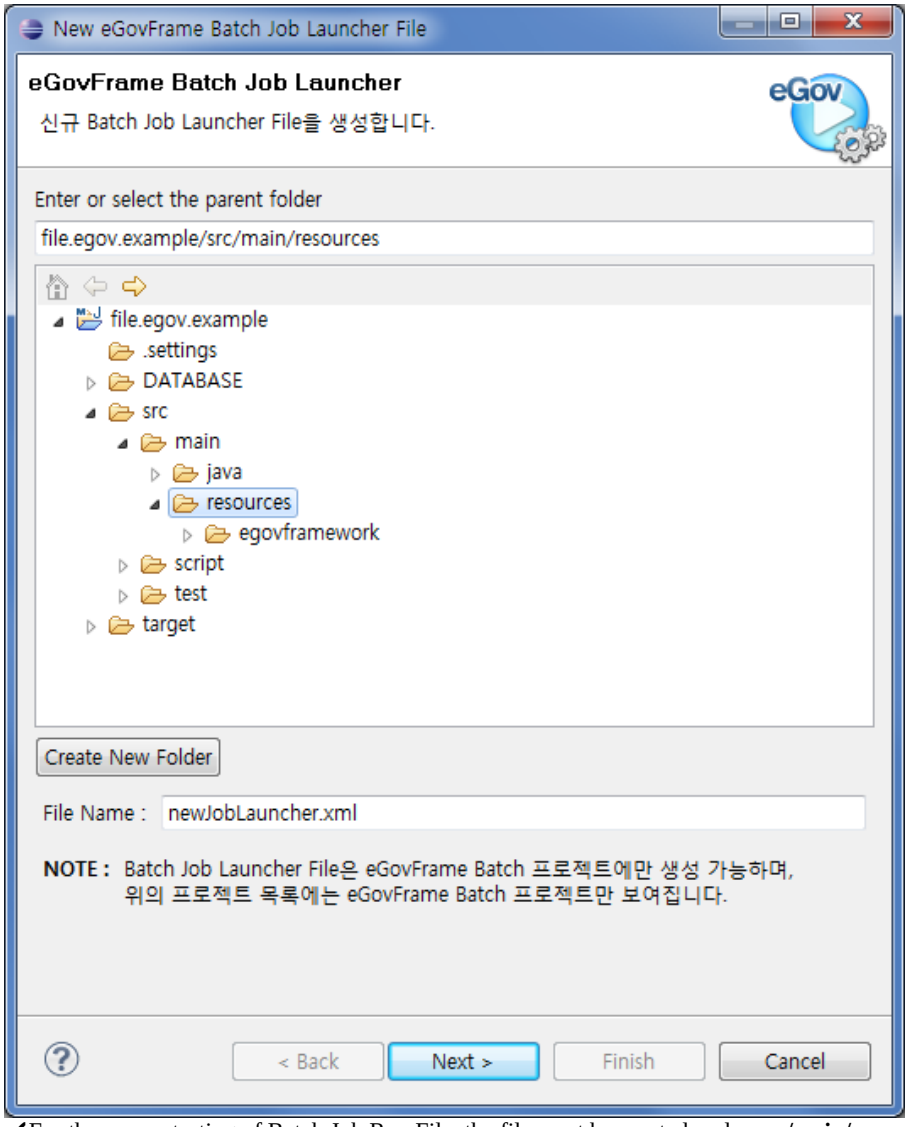
- You can also use the hotkey, **Ctrl+N** to access the "create new" wizard and select **eGovFrame**>**eGovFrame Batch Job Launcher**then click on **Next** to continue.



✔If unable to find File > New >eGovFrame Batch Job Launcher Menu, **Reset eGovFrame Perspective**

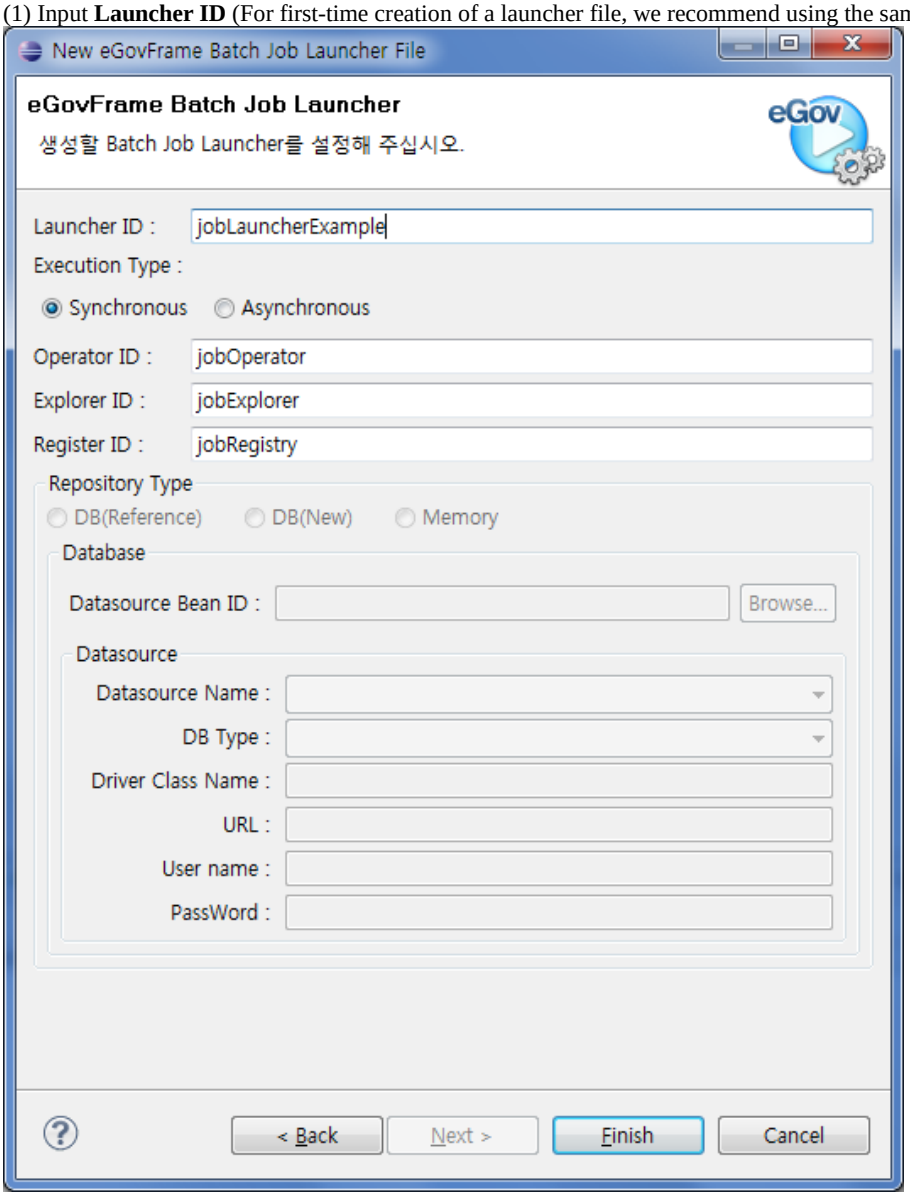


2. Select the project where batch job run file will be created and its directory. Create a new folder, type in the name of file and click **Next**.

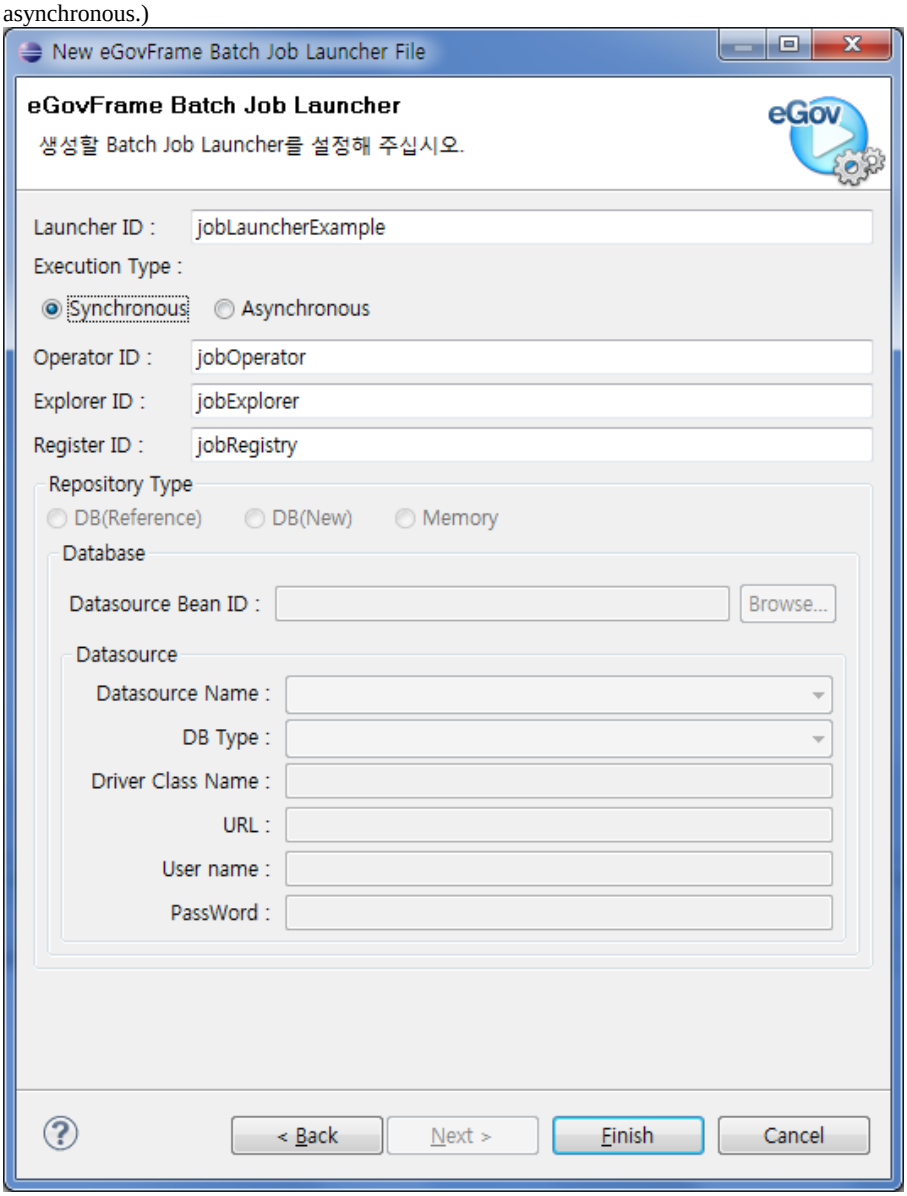


✔For the proper testing of Batch Job Run File, the file must be created under **src/main/resources or src/test/resources**

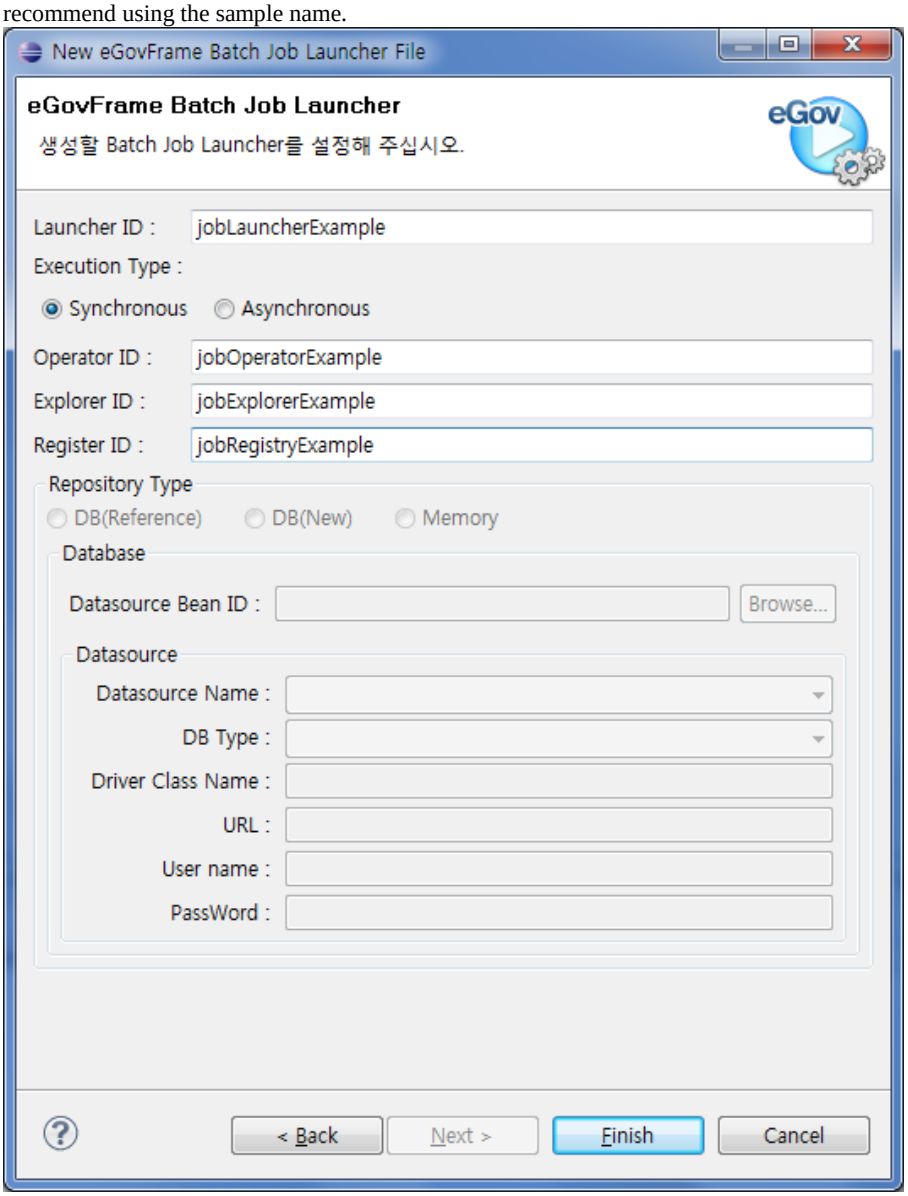
3. Input each items of the Batch Job Run File.
    - (1) Input **Launcher ID** (For first-time creation of a launcher file, we recommend using the sample name.



- (2) Select **Execution Type** (For Execution Type, configure TaskExecutor to set Job as synchronous or asynchronous.)

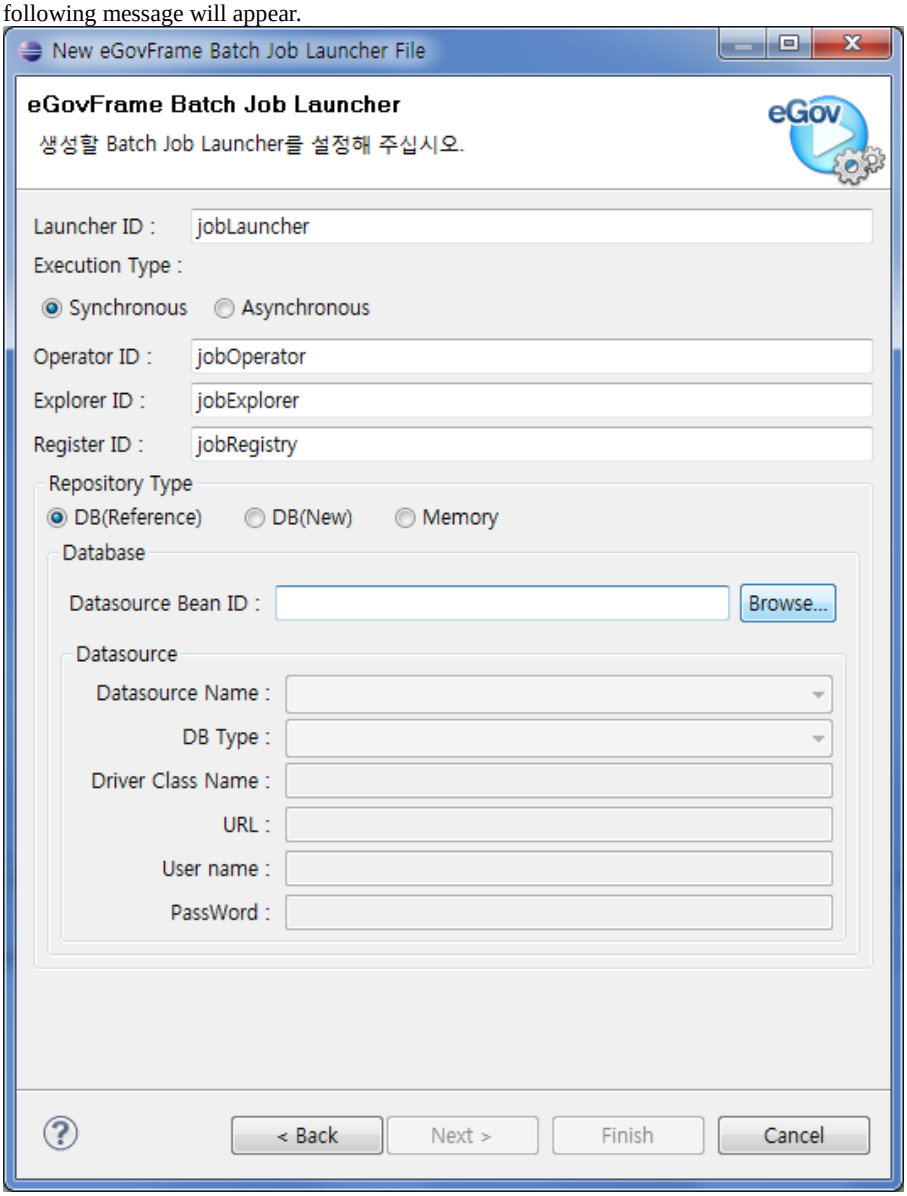


- (3) Input **Operator ID**, **Explorer ID**, and **Register ID**. (For first-time creation of a launcher file, we recommend using the sample name.

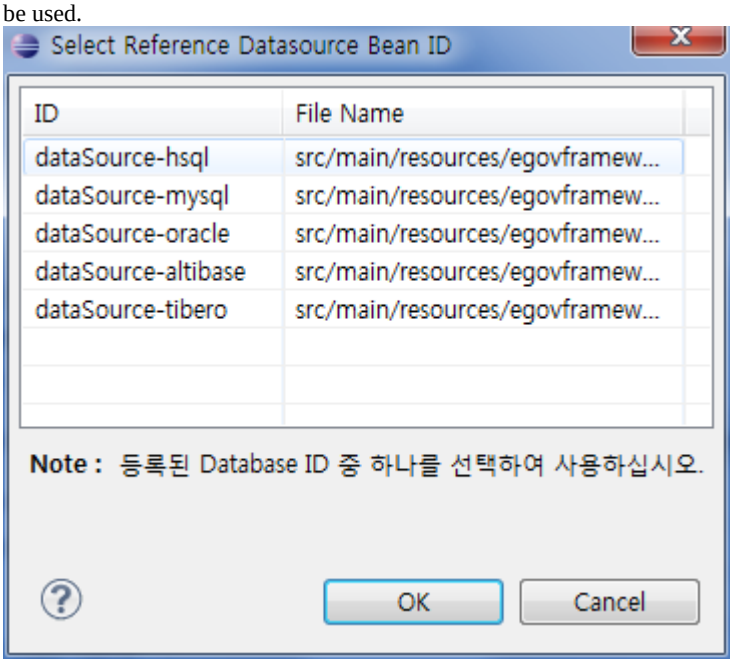


- (4) Configure **Repository Type**
  - **DB(Reference)**: This function enables user to quickly find and use a registered datasource, provided that the datasource was registered in the selected project.

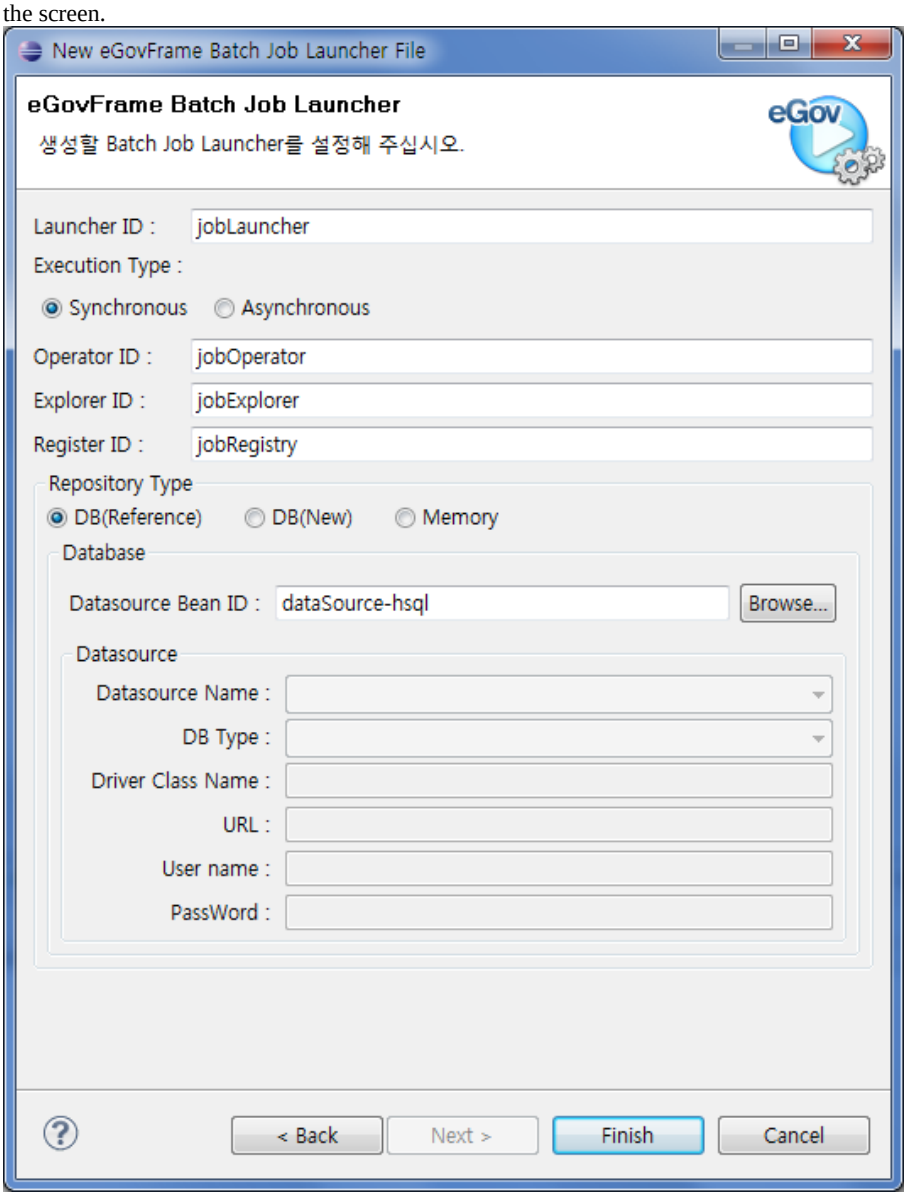
- If a launcher file where a datasource has been configured cannot be found, the following message will appear.



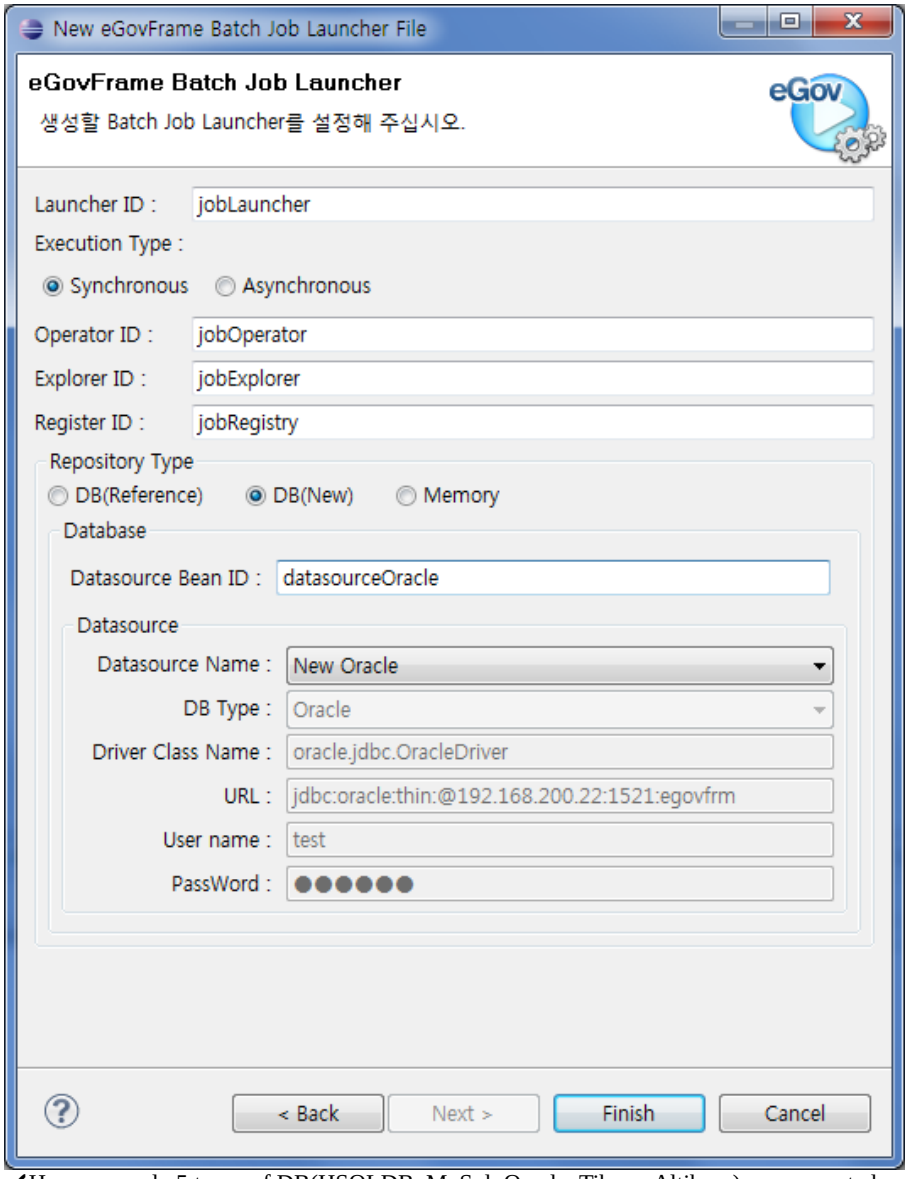
- From a list of datasources that are being used in the project, select the datasource to be used.



- Information regarding usage of a datasource that is currently in use will appear on the screen.

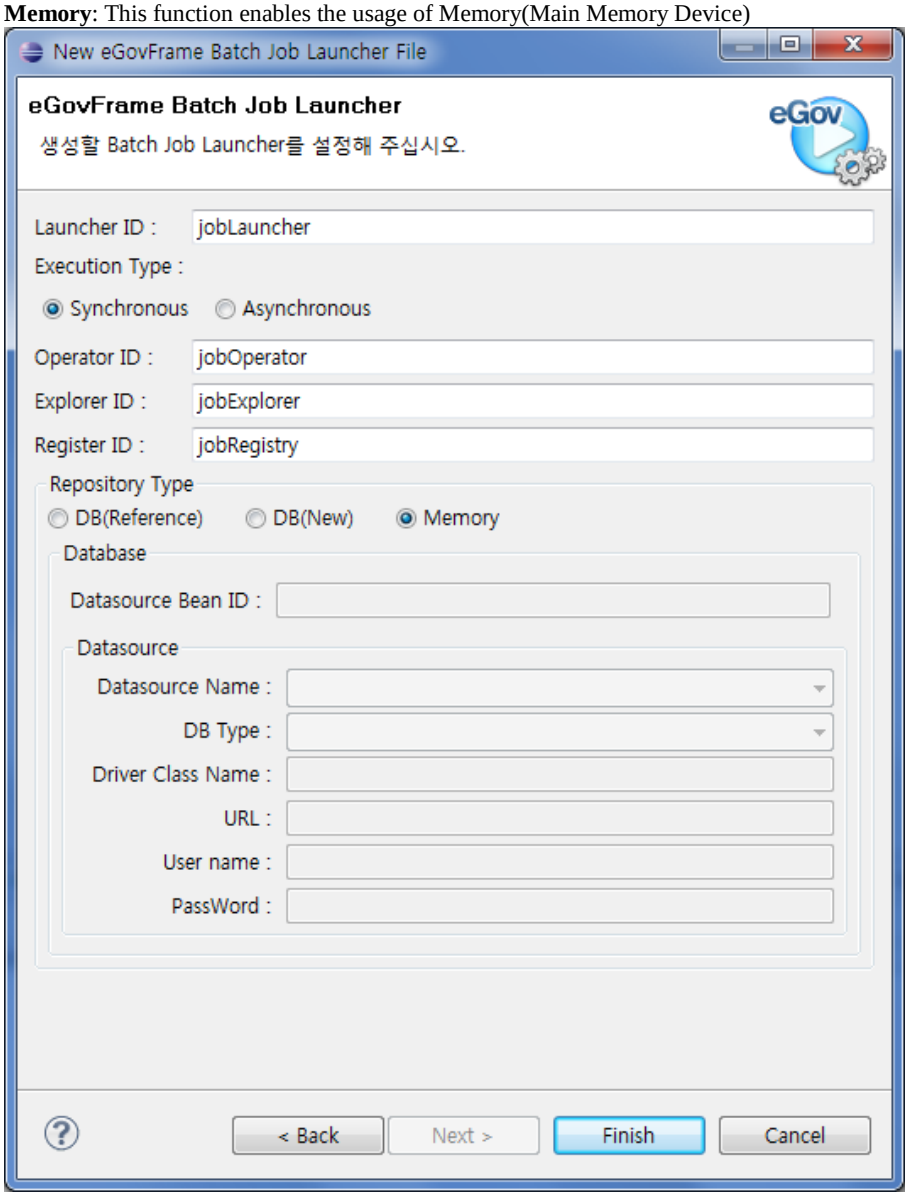


- **DB(New)**: When DB is being used, this function enables the user to select one of the DBs that was registered on Data Source Explorer and automatically update datasource to XML.

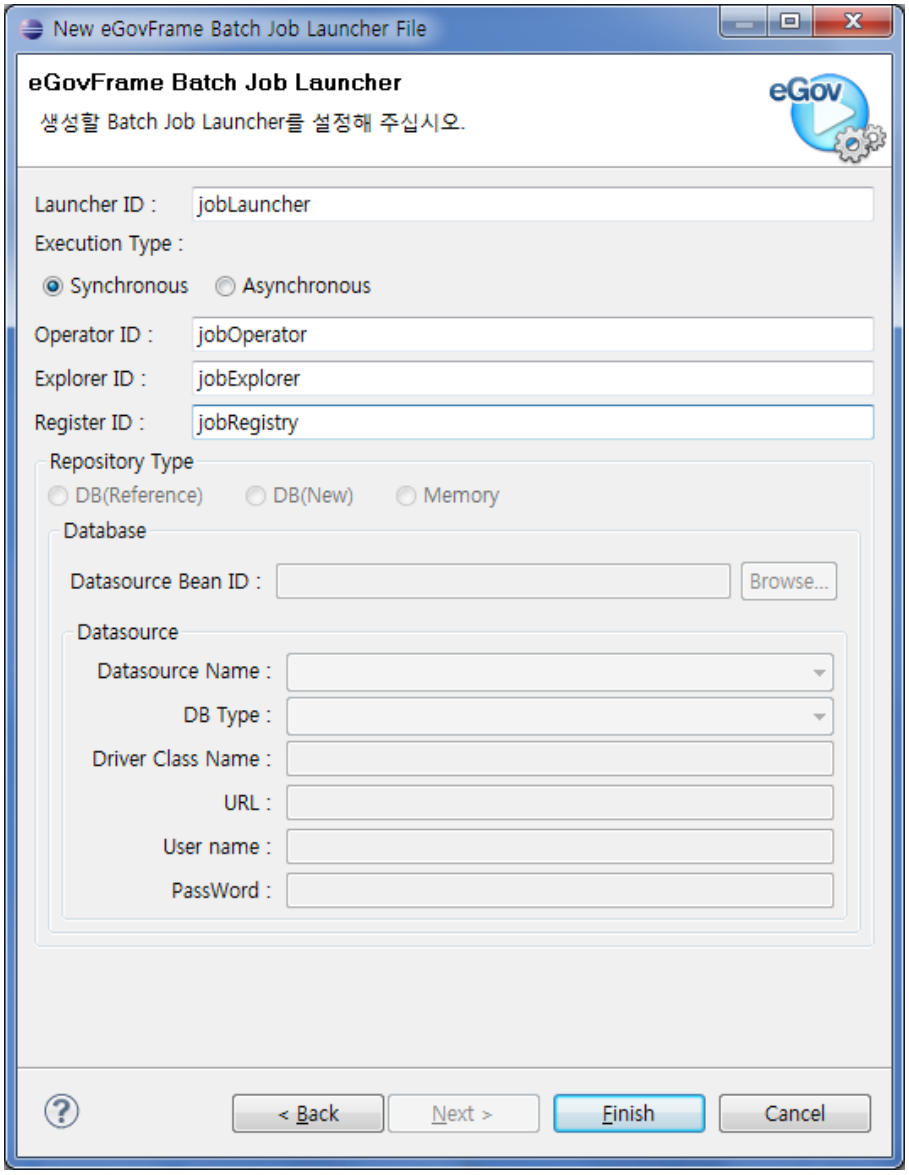


✔However, only 5 types of DB(HSQLDB, MySql, Oracle, Tibero, Altibase) are supported.

- **Memory**: This function enables the usage of Memory(Main Memory Device)



- **Deactivation of Repository Type**: If a JobRepository already exists in selected project, the Repository Type is deactivated as follows:


New eGovFrame Batch Job Launcher File
eGovFrame Batch Job Launcher
생성할 Batch Job Launcher를 설정해 주십시오.
Launcher ID :
jobLauncher
Execution Type :
Synchronous
Asynchronous
Operator ID :
jobOperator
Explorer ID :
jobExplorer
Register ID :
jobRegistry
Repository Type
DB(Reference)
DB(New)
Memory
Database
Datasource Bean ID :
Browse...
Datasource
Datasource Name :
DB Type :
Driver Class Name :
URL :
User name :
PassWord :
< Back
Next >
Finish
Cancel

4. When input is complete, click **Finish** to confirm the creation of Batch Job Run XML File.

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<beanid="newJobLauncher.egovBatchRunner"class="egovframework.brte.core.launch.support.EgovBatchRunner">
<constructor-argref="jobRepository"/>
<constructor-argref="jobOperatorExample"/>
<constructor-argref="jobExplorerExample"/>
</bean>
<beanid="jobLauncherExample"class="org.springframework.batch.core.launch.support.SimpleJobLauncher">
<propertyname="jobRepository"ref="jobRepository"/>
</bean>
<beanid="jobRegistryExample"class="org.springframework.batch.core.configuration.support.MapJobRegistry"/>
<beanclass="org.springframework.batch.core.configuration.support.JobRegistryBeanPostProcessor">
<propertyname="jobRegistry"ref="jobRegistryExample"/>
</bean>
<beanid="jobOperatorExample"class="org.springframework.batch.core.launch.support.SimpleJobOperator"p:jobLauncher-ref="jobLauncherExample"p:jobExplorer-ref="jobExplorerExample"p:jobRepository-ref="jobRepository"p:jobRegistry-ref="jobRegistryExample"/>
<beanid="jobExplorerExample"class="org.springframework.batch.core.explore.support.JobExplorerFactoryBean"/>
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Remarks

- For more information on Batch Jobs Execution, click here.
- Since Bean Id duplication for Spring, Using a Bean ID that was previously registered is forbidden in eGov Framework Development Environment.
- Batch Job Execution Files that were created are used during new test composition of Batch Job Test.