

## New DataSource Configuration Code Gen

### Check the created configuration file

“DataSource Configuration using C3P0, DBCP, JDBC Driver type DataSource” can be easily prepared by using Code Generation.

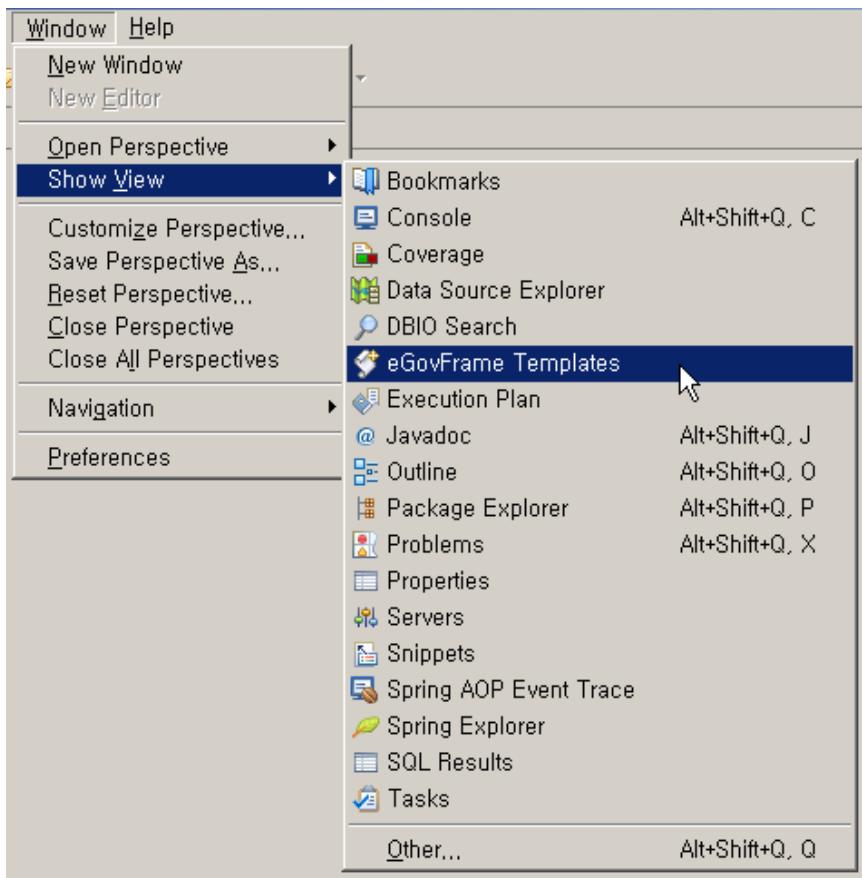
#### Description

For description on New DataSource Configuration, refer to the following execution environment guide.

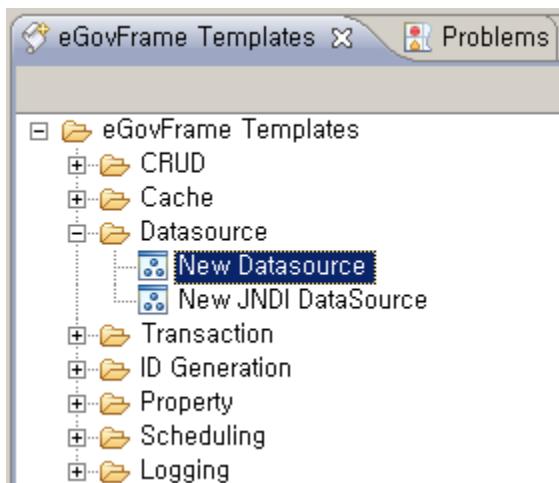
- [Execution Environment DataSource Configuration Guide](#)

#### Manual

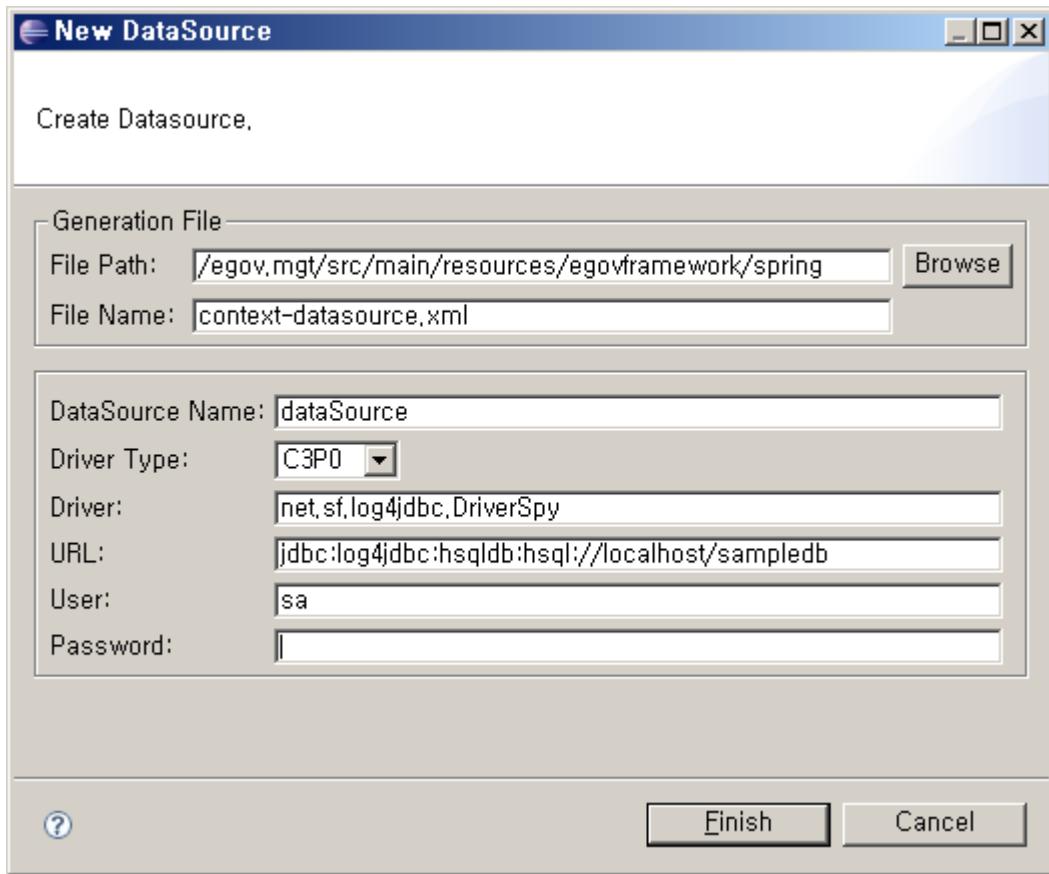
1. Show Template : Select Window>Show View>eGovFrame Templates.



2. Select the template of configuration to prepare.



3. On the screen UI, enter the needed items and click Finish button.



4. Check the created configuration file.

The screenshot shows the 'context-datasource.xml' configuration file in a code editor. The XML code defines a bean named 'dataSource' of class 'com.mchange.v2.c3p0.ComboPooledDataSource'. It includes properties for driver class ('net.sf.log4jdbc.DriverSpy'), JDBC URL ('jdbc:log4jdbc:hsqldb:hsq://localhost/sampledbs'), user ('sa'), initial pool size ('3'), minimum pool size ('3'), maximum pool size ('50'), and idle connection test period ('200'). The code also includes comments about the C3P0 asynchronous nature and helper threads. The 'Design' tab is selected at the bottom of the editor.

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springframework.org/schema/bea

<bean id="dataSource" class="com.mchange.v2.c3p0.ComboPooledDataSource"
      destroy-method="close">
    <property name="driverClass" value="net.sf.log4jdbc.DriverSpy" />
    <property name="jdbcUrl" value="jdbc:log4jdbc:hsqldb:hsq://localhost/sampledbs" />
    <property name="user" value="sa" />
    <property name="initialPoolSize" value="3" />
    <property name="minPoolSize" value="3" />
    <property name="maxPoolSize" value="50" />
    <!-- <property name="timeout" value="0" /> --> <!-- 0 means: no timeout -->
    <property name="idleConnectionTestPeriod" value="200" />
    <property name="acquireIncrement" value="1" />
    <property name="maxStatements" value="0" /> <!-- 0 means: statement caching is turned off. -->
    <!-- c3p0 is very asynchronous. Slow JDBC operations are generally performed
        by helper threads that don't hold contended locks.
        Spreading these operations over multiple threads can significantly improve performance
        by allowing multiple operations to be performed simultaneously -->
    <property name="numHelperThreads" value="3" /> <!-- 3 is default -->
</bean>
</beans>
```