

# Jasper Spring Configuration for Custom DataSource

Lets have our own Spring configuration

{ custom-applicationContext.xml }

## Step 1

Define a CustomDataSourceDefinition and register it with the *customDataSourceServiceFactory*, which is already defined by Jasper.

```
<bean id="customDataSource"
      class="com.jaspersoft.jasperserver.api.engine.jasperreports.util.CustomDataSourceDefinition"
      <property name="name" value="CustomDataSource" />
</bean>
```

## Step 2

Add the *serviceName* property. This is actually a dummy. The most important thing is the *factory* property, which is an instance of the *CustomDelegatedDataSourceServiceFactory*, which creates a DataSource.

```
<bean id="customDataSource">
...
    <property name="serviceName"
value="com.jaspersoft.jasperserver.api.metadata.jasperreports.domain.client.CustomReportDataSourceIm
pl" />
    <property name="factory" ref="customDataSourceServiceFactory" />
...
</bean>
```

### Step 3

Define the properties that the user should enter while creating the DataSource.

```
<bean id="customDataSource">
....
  <property name="propertyDefinitions">
    <list>
      <map>
        <entry key="name" value="property1" />
      </map>
      <map>
        <entry key="name" value="property2" />
      </map>
    </list>
  </property>
...
</bean>
```

### Step 4

Define the query languages that this DataSource will understand. Here we have defined our own query language.

```
<bean id="customDataSource">
...
  <property name="queryExecutorMap">
    <map>
      <entry key="MyCustomLanguage"
        value="com.my.CustomQueryExecutorFactory" />
    </map>
  </property>
...
</bean>
```