

PDI Job Tutorial

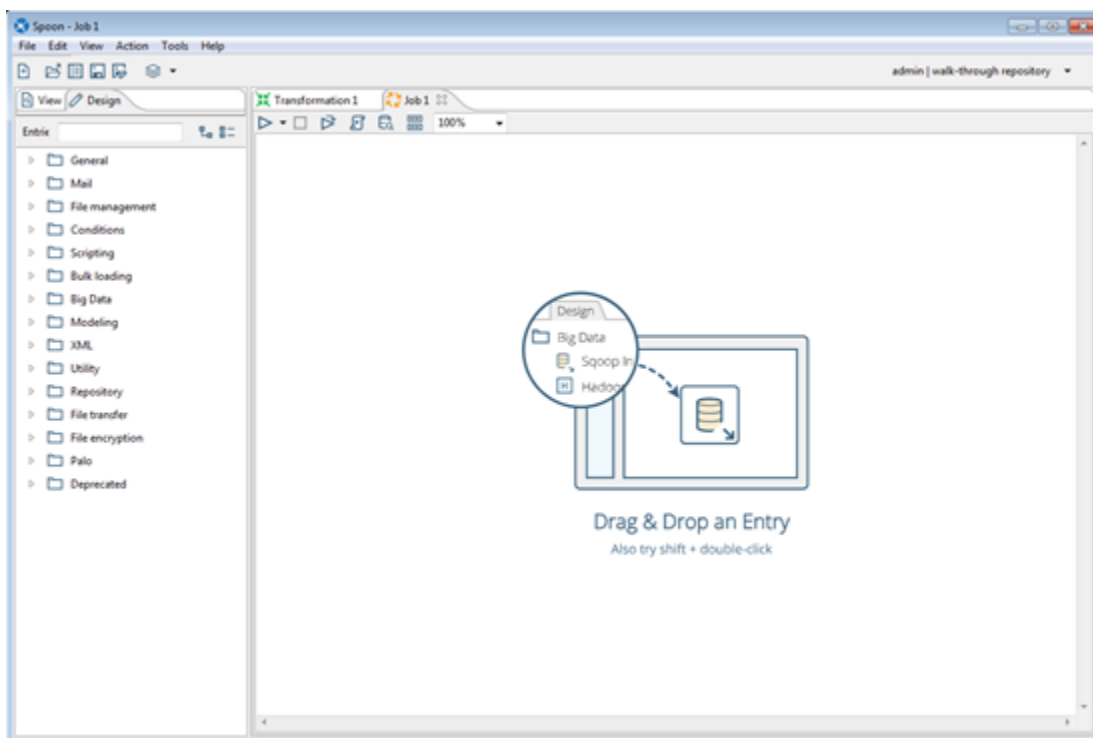
Jobs are used to coordinate ETL activities such as:

- Defining the flow and dependencies for what order transformations should be run
- Preparing for execution by checking conditions such as, "Is my source file available?" or "Does a table exist?"
- Performing bulk load database operations
- File Management such as posting or retrieving files using FTP, copying files and deleting files
- Sending success or failure notifications through email

For this exercise, imagine that an external system is responsible for placing your **sales_data.csv** input in its source location every Saturday night at 9 p.m. You want to create a job that will check to see that the file has arrived and run your transformation to load the records into the database. In a subsequent exercise, you will schedule the job to be run every Sunday morning at 9 a.m.

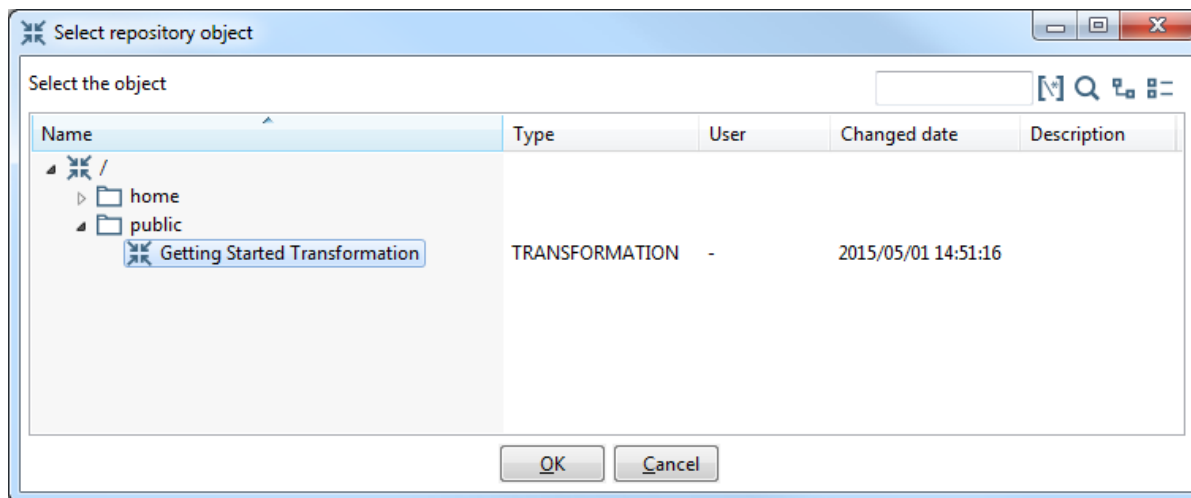
To complete this exercise, you must have completed the exercises in the [PDI Transformation Tutorial](#).

1. Go to **File > New > Job**.



2. Expand the **General** folder and drag a **Start** job entry onto the graphical workspace. The **Start** job entry defines where the execution will begin.
3. Expand the **Conditions** folder and add a **File Exists** job entry.
4. Draw a hop from the **Start** job entry to the **File Exists** job entry.
5. Double-click the **File Exists** job entry to open its edit properties dialog box. Click **Browse** and set the filter near the bottom of the window to **All Files**. Select the **sales_data.csv** from the following location: `... \design-tools\data-integration\samples\transformations\files`.

6. Click **OK** to exit from the **Open File** window.
7. Click **OK** to exit from the **Check if a file exists ...** window.
8. In Spoon, expand the **General** folder and add a **Transformation** job entry.
9. Draw a hop between the **File Exists** and the **Transformation** job entries.
10. Double-click the **Transformation** job entry to open its edit properties dialog box.
11. Click **Browse** to open the **Select repository object** window. Browse to and select the transformation you created in the [PDI Transformation Tutorial](#).
12. Expand the repository tree to find your sample transformation. Select it and click **OK**.



13. Save your job as **Sample Job**.
14. Click **Run** icon in the toolbar. When the **Run Options** window appears, choose **Local** environment type and click **Run**. The **Execution Results** panel should open showing you the job metrics and log information for the job execution.

