



# PDI graphical designer (Spoon)



# Spoon

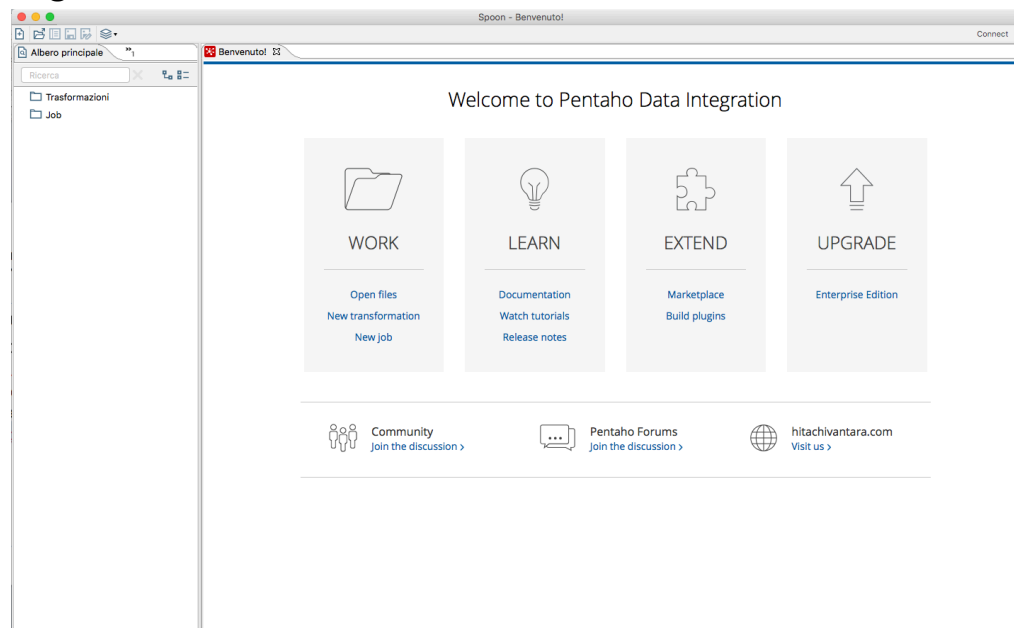
- Working with the data, it is possible by using the graphical environment
- Spoon is PDI's desktop designer tool



# Starting Spoon

- Windows: run **Spoon.bat** from within the PDI install directory
- Other platforms (such as Unix, Linux, Mac OS) open a Terminal and type **spoon.sh**
  - Suppose the folder with PDI is “data-integration”
  - >> cd data-integration
  - >> sh **spoon.sh**

- If Spoon doesn't start as expected:
  - Windows: run **SpoonDebug.bat**
  - Other platforms: **spoonDebug.sh**





# Customize Spoon

- Click on **Options...** (**Preferenze...**) from the Tools menu
- In the window that appears we can change various general and visual characteristics
- Restart Spoon in order to see applied changes

General | Look & Feel

Preview data batch size: 1000

Max number of lines in the logging windows: 5000

Central log line store timeout in minutes: 720

Max number of lines in the log history views: 50

Show welcome page at startup:

Use database cache:

Open last file at startup:

Autosave changed files:

Only show the active file in the main tree:

Only save used connections to XML:

Replace existing objects on open/import:

Ask before replacing objects:

Show Save dialog:

Automatically split hops:

Show Copy or Distribute dialog:

Show repository dialog at startup:

Ask user when exiting:

Clear custom parameters (steps/plugins):

Auto collapse palette tree:

Display tooltips:

Show help tooltips:

OK Cancel

General | Look & Feel

Fixed width font: Courier - 13

Font on workspace: .SF NS Text - 13

Font for notes: .SF NS Text - 13

Background color:

Workspace background color:

Tab color:

Icon size in workspace: 32

Line width on workspace: 1

Shadow size on workspace: 0

Dialog middle percentage: 35

Canvas Grid Size: 16

Show Canvas Grid:

Canvas anti-aliasing:

Show bottleneck transformation steps:

Use look of OS:

Show branding graphics:

Preferred Language: English (US)

Alternative Language: English (US)

OK Cancel



**Main menu**

**Main Toolbar**

**View the structure of Transformations and Jobs**

The screenshot shows the Pentaho Data Integration (PDI) software interface. At the top, the main menu (File, Edit, View, Action, Tools, Help) and the main toolbar (Save, Undo, Redo, Refresh) are highlighted with red boxes. The left sidebar displays a tree view of the project structure, with the 'Transformations' and 'Jobs' folders highlighted by red boxes. A red arrow points from the text 'View the structure of Transformations and Jobs' to the 'Transformations' folder. The main window displays a 'Welcome to Pentaho Data Integration' page with sections for WORK, LEARN, EXTEND, and UPGRADE. The 'Transformation 1' and 'Job 1' tabs are circled in red.



**Transformation Steps Tree**

- Input
- Output
- Streaming
- Transform
- Utility
- Flow
- Scripting
- Pentaho Server
- Lookup
- Joins
- Data Warehouse
- Validation
- Statistics
- Big Data
- Agile
- Cryptography
- Palo
- Open ERP
- Job
- Mapping
- Bulk loading
- Inline
- Experimental
- Deprecated
- History

**Transformation Toolbar**

Has some options that make sense while working with datasets (e.g. preview)

**Canvas (Work Area)**

Design

- Big Data
- Cassandra
- Hadoop

Drag & Drop a Step  
Also try shift + double-click

Step metrics tab (Execution results window) to see metrics for each step



Job Entries  
Tree

Job Entries Tree

Job Toolbar

Has no some options that only make sense while working with datasets (e.g. preview makes no sense to preview data in jobs)

Canvas (Work Area)

Drag & Drop an Entry  
Also try shift + double-click

Job metrics tab (Execution results window) to see metrics for each job entry