

Open Office Spreadsheet Input Step

Fun Week

Research

- Looked into using OpenOffice UNO language
 - you need to install OpenOffice
 - You need to install the SDK
 - Manipulating spreadsheets from JAVA opened them up in a Calc frame- yuk

Research

- Found JOpenDocument
 - Similar to the Excel API we are using
 - One jar file

I Chose this.

Implementation

- Copied sr and sr-ui trans.steps.excelinput to oospreadsheetinput packages
- Changed copied class names from ExcelInput* to OOSpreadSheet*
- Made changes to messages.properties as needed
- Added step to kettle_steps.xml
- Created JOpenDocument class to handle ODS files and spreadsheet manipulation

And it all worked right away!

right.....

Things to address

- JDocumentMethod files do not like file URIs.
- Empty and null are a bit different – I experience a few endless loops on Thursday...
- Numbers are read in as BigDecimal-ValueMeta didn't handle that

Next Steps

- Handle reading it dates and all other data types supported by ExcellInput step
- Create an OO CalcOutput step – could be a bit easier:
http://www.jopendocument.org/start_spreadsheet_1.html