

I made some progress by following the Scenario 2 on the link in my previous post.

I've configured my job as shown in the attached screenshots. I independently created a map in the Data Mapping perspective. Then I switched to the Integration perspective, created the job as shown and mapped to the map I had created in the Mapping perspective. Unfortunately, it failed with the following error:

Starting job Test004XML at 17:15 17/04/2014.

connecting to socket on port 3586

connected

Overall: Fatal

1: Info - Executing map. (328)

Map: /DATAMAPPERPROJECTS/Maps/NestedXMLs Properties: {}

2: Fatal - The transformation engine failed. (202)

Generated text: 01 declare namespace Flat = "urn:aklandsw:rep:flat";

02 declare namespace com\_oaklandsw\_transform\_runtime\_RuntimeSupport = "java:com.oaklandsw.transform.runtime.RuntimeSupport";

03 declare namespace com\_oaklandsw\_transform\_rep\_db\_RuntimeSupportDatabase = "java:com.oaklandsw.transform.rep.db.RuntimeSupportDatabase";

04

05

06 declare function local out\_Flat\_csv\_Flat\_row\_Flat\_row(\$top,\$out\_Flat\_csv\_Flat\_row,\$out\_Flat\_csv\_Flat\_row\_i,\$out\_Flat\_csv,\$out\_Flat\_csv\_i)

07 {

08 (: seq in\$/ZPM/ZPM\_EQUIPMENT\_EXPORT/CLOBJ/CLOBJDAT

09 for \$out\_Flat\_csv\_Flat\_row\_Flat\_row at \$out\_Flat\_csv\_Flat\_row\_Flat\_row\_i in let \$inVar := \$out\_Flat\_csv\_Flat\_row/CLOBJ/CLOBJDAT return \$inVar

10 return (: for (

11 (: element out\$/csv/row element Flat:row {

12 (: element out\$/csv/row/EXPORT\_ID element Flat:EXPORT\_ID {

13 (: value out\$/csv/row/EXPORT\_ID

14 let \$unconvertedValue := (

15 (: nullCheck if (\$out\_Flat\_csv\_Flat\_row/EXPORT\_ID/@xsi:nil) then ('\_osdt987Null') else (\$out\_Flat\_csv\_Flat\_row/EXPORT\_ID/text()) (: nullCheck ) return if ((if (fn:count(\$unconvertedValue) = 1) then \$unconvertedValue else \$unconvertedValue) cast as xs:string? = '\_osdt987Null') then () else text { \$unconvertedValue }

16 (: element end out\$/csv/row/EXPORT\_ID },

17 (: element out\$/csv/row/EQUNR element Flat:EQUNR {

18 (: value out\$/csv/row/EQUNR

19 let \$unconvertedValue := (

20 (: nullCheck if (\$out\_Flat\_csv\_Flat\_row/EQUI/EQUNR/@xsi:nil) then ('\_osdt987Null') else (\$out\_Flat\_csv\_Flat\_row/EQUI/EQUNR/text()) (: nullCheck ) return if ((if (fn:count(\$unconvertedValue) = 1) then \$unconvertedValue else \$unconvertedValue) cast as xs:string? = '\_osdt987Null') then () else text { \$unconvertedValue }

21 (: element end out\$/csv/row/EQUNR },

22 (: element out\$/csv/row/AEDAT element Flat:AEDAT {

23 (: value out\$/csv/row/AEDAT

24 let \$unconvertedValue := (

25 (: nullCheck if (\$out\_Flat\_csv\_Flat\_row/EQUI/AEDAT/@xsi:nil) then ('\_osdt987Null') else (\$out\_Flat\_csv\_Flat\_row/EQUI/AEDAT/text()) (: nullCheck ) return if ((if (fn:count(\$unconvertedValue) = 1) then \$unconvertedValue else \$unconvertedValue) cast as xs:string? = '\_osdt987Null') then () else text { \$unconvertedValue }

26 (: element end out\$/csv/row/AEDAT },

27 (: element out\$/csv/row/TABIX element Flat:TABIX {

28 (: value out\$/csv/row/TABIX

29 let \$unconvertedValue := (

30 (: nullCheck if (\$out\_Flat\_csv\_Flat\_row\_Flat\_row/TABIX/@xsi:nil) then ('\_osdt987Null') else (\$out\_Flat\_csv\_Flat\_row\_Flat\_row/TABIX/text()) (: nullCheck ) return if ((if (fn:count(\$unconvertedValue) = 1) then \$unconvertedValue else \$unconvertedValue) cast as xs:string? = '\_osdt987Null') then () else text { \$unconvertedValue }

31 (: element end out\$/csv/row/TABIX },

32 (: element out\$/csv/row/ATFLV element Flat:ATFLV {

33 (: value out\$/csv/row/ATFLV

34 let \$unconvertedValue := (

35 (: nullCheck if (\$out\_Flat\_csv\_Flat\_row\_Flat\_row/ATFLV/@xsi:nil) then ('\_osdt987Null') else (\$out\_Flat\_csv\_Flat\_row\_Flat\_row/ATFLV/text()) (: nullCheck ) return if ((if (fn:count(\$unconvertedValue) = 1) then \$unconvertedValue else \$unconvertedValue) cast as xs:string? = '\_osdt987Null') then () else text { \$unconvertedValue }

36 (: element end out\$/csv/row/ATFLV },

37 (: element out\$/csv/row/ATNAM element Flat:ATNAM {

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38 (: value out$/csv/row/ATNAM 🙄)
39 let $unconvertedValue := (
40 (: nullCheck 🙄 if ($out_Flat_csv_Flat_row_Flat_row/ATNAM/@xsi:nil) then ('_osdt987Null') else ($out_Flat_csv_Flat_row_Flat_row/ATNAM/text()) (: nullCheck 🙄) return if ((if
(fn:count($unconvertedValue) = 1) then $unconvertedValue else $unconvertedValue) cast as xs:string? = '_osdt987Null') then () else text { $unconvertedValue }
41 (: element end out$/csv/row/ATNAM 🙄 }
42 (: element end out$/csv/row 🙄 }
43 (: seq end in$/ZPM/ZPM_EQUIPMENT_EXPORT/CLOBJ/CLOBJDAT 🙄 )
44 };
45
46
47 declare function local 🙄out_Flat_csv_Flat_row($top,$out_Flat_csv,$out_Flat_csv_i)
48 {
49 (: seq in$/ZPM/ZPM_EQUIPMENT_EXPORT 🙄
50 for $out_Flat_csv_Flat_row at $out_Flat_csv_Flat_row_i in let $inVar := $out_Flat_csv/ZPM_EQUIPMENT_EXPORT return $inVar
51 return (: for 🙄 (local 🙄out_Flat_csv_Flat_row_Flat_row($top,$out_Flat_csv_Flat_row,$out_Flat_csv_Flat_row_i,$out_Flat_csv,$out_Flat_csv_i)
52
53 (: seq end in$/ZPM/ZPM_EQUIPMENT_EXPORT 🙄 )
54 };
55
56
57 declare function local 🙄out_Flat_csv($top)
58 {
59 (: seq in$/ZPM 🙄
60 for $out_Flat_csv at $out_Flat_csv_i in let $inVar := $top/ZPM return $inVar
61 return (: for 🙄 (
62 (: element out$/csv 🙄 element Flat:csv { (), local 🙄out_Flat_csv_Flat_row($top,$out_Flat_csv,$out_Flat_csv_i)
63
64 (: element end out$/csv 🙄 }
65 (: seq end in$/ZPM 🙄 )
66 };
67
68 (: OUTPUT - Start 🙄
69 local 🙄out_Flat_csv(/)
70 (: OUTPUT - End 🙄

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Exception: java.lang.ClassCastException: org.talend.transform.runtime.api.JavaObjectResult cannot be cast to javax.xml.transform.stream.StreamResult
at com.oaklandsw.transform.rep.delimited.AbstractDelimitedWriter.setResult(AbstractDelimitedWriter.java:119)
at com.oaklandsw.transform.runtime.func.loWriteRuntimeImpl.createContentHandler(loWriteRuntimeImpl.java:284)
at com.oaklandsw.transform.runtime.MapOutputContentHandler.installNewRuntime(MapOutputContentHandler.java:112)
at com.oaklandsw.transform.runtime.MapOutputContentHandler.startDocument(MapOutputContentHandler.java:240)
at net.sf.saxon.event.ContentHandlerProxy.open(ContentHandlerProxy.java:261)
at net.sf.saxon.event.ProxyReceiver.open(ProxyReceiver.java:80)
at net.sf.saxon.event.ComplexContentOutputter.open(ComplexContentOutputter.java:105)
at net.sf.saxon.query.XQueryExpression.run(XQueryExpression.java:390)
at com.oaklandsw.transform.runtime.xquery.saxon9.Saxon9AdaptorImpl.run(Saxon9AdaptorImpl.java:449)
at com.oaklandsw.transform.runtime.xquery.XQueryAdaptorImpl.run(XQueryAdaptorImpl.java:256)
at com.oaklandsw.transform.runtime.StandardMapRuntimeImpl.runQuery(StandardMapRuntimeImpl.java:379)
at com.oaklandsw.transform.runtime.StandardMapRuntimeImpl.runSubclass(StandardMapRuntimeImpl.java:306)
at com.oaklandsw.transform.runtime.MapRuntimeImpl$1.run(MapRuntimeImpl.java:377)
at com.oaklandsw.transform.runtime.RuntimeEngineImpl.runSansEditor(RuntimeEngineImpl.java:957)
at com.oaklandsw.transform.runtime.MapRuntimeImpl.runMap(MapRuntimeImpl.java:368)
at com.oaklandsw.transform.runtime.MapOrStructRuntimeImpl.run(MapOrStructRuntimeImpl.java:794)
at datamapperprojects.test004xml_0_1.Test004XML.tFileInputXML_1Process(Test004XML.java:1149)
at datamapperprojects.test004xml_0_1.Test004XML.runJobInTOS(Test004XML.java:1582)

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at datamapperprojects.test004xml_0_1.Test004XML.main(Test004XML.java:1447)
Exception in component tHMap_1_THMAP_IN
java.lang.NullPointerException
at datamapperprojects.test004xml_0_1.Test004XML.tFileInputXML_1Process(Test004XML.java:1164)
at datamapperprojects.test004xml_0_1.Test004XML.runJobInTOS(Test004XML.java:1582)
at datamapperprojects.test004xml_0_1.Test004XML.main(Test004XML.java:1447)
disconnected
Job Test004XML ended at 17:15 17/04/2014.

```

Any help will be appreciated...  
Thanks.

The screenshot shows the Data Mapper job design and configuration interface. The top part displays a job design with three components: **tFileInputXML\_1**, **tHMap\_1**, and **tFileOutputXML\_1**. The flow is labeled with **row1 (Main)** and **out1 (Main)**. Performance metrics for the first component are shown as **1 rows in 0.14s** and **7.14 rows/s**. The status of the job is **Starting**.

The bottom part shows the configuration for the **tFileInputXML\_1** component. The **Basic settings** tab is active, showing the following properties:

- Property Type: Built-In
- Schema: Built-In
- File name/Stream: "C:/Workbench/MobileMap/NestedXML2.xml"
- Loop XPath query: "/ZPM"

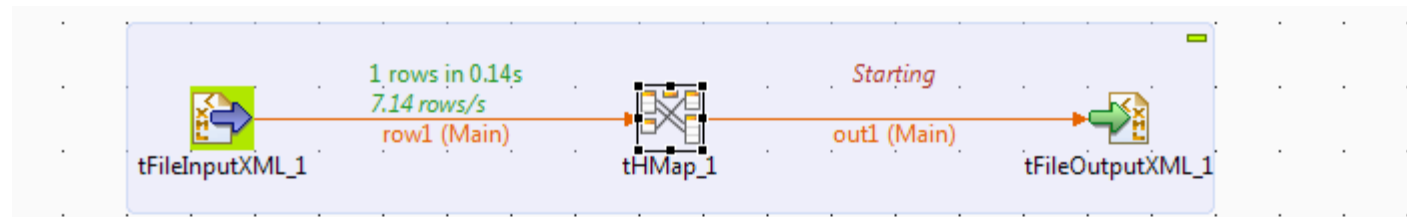
The **Mapping** section shows a table with the following data:

Column	XPath query	Get Nodes
XMLDoc	"/"	<input checked="" type="checkbox"/>

The screenshot shows the **Schema of tFileInputXML\_1** dialog box. The dialog displays the schema for the **tFileInputXML\_1** component. The schema table is as follows:

Column	Key	Type	✓	N..	Date Patte...	Len...	Prec...	De...
XMLDoc		Document	<input checked="" type="checkbox"/>					

The dialog includes standard window controls (OK, Cancel) and a toolbar with icons for adding, deleting, and navigating schema elements.



Designer Code Jobsript

Job(Test004XML 0.1) Contexts(Job Test004XML 0.1) Component Run (Job Test004XML)

### tHMap\_1

This component has significant limitations for use/deployment. Please see the release notes for more details.

**Basic settings**

**Advanced settings** To create a new map based on the input and output of tHMap, use Open Map Editor below. To use an existing map, select the Map Path below and then use Open Map Editor.

**Dynamic settings**

**View**

**Documentation**

Open Map Editor [...]

Map Path "NestedXMLs"

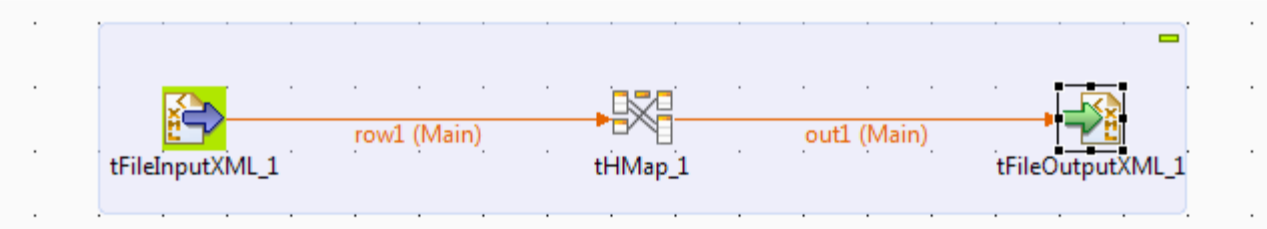
Log Level Infrequent

Read Input As

- Data Integration columns
- Single column

Write Output As

- Data Integration columns
- String (single column)
- Byte array (single column)
- InputStream (single column)
- Document (single column)



Designer Code Jobsript

Job(Test004XML 0.1) Contexts(Job Test004XML 0.1) Component Run (Job Test004XML)

### tFileOutputXML\_1

**Basic settings** File Name "C:/Workbench/DataMapperOutput1.xml"

**Advanced settings**  Incoming record is a document

**Dynamic settings** Row tag "row"

**View** Schema Built-In Edit schema Sync columns

OCAL: DataMapperProjects

Hierarchical Mapper

- Structures
  - CSV
  - Java
  - Jobs
  - JSON
  - MultiInputOutput
  - NestedXML2
  - NestedXMLCSV
  - PayPal
  - Recursive
  - Simple
  - SLTRN
  - trans
- Maps
  - CSV
  - Java
  - Jobs
  - JSON
  - Looping
  - Message
  - MultiInputOutput
  - NestedXMLs**

Input (XML)

- ZPM
  - ZPM\_EQUIPMENT\_EXPORT (1:\*)
    - EXPORT\_ID
    - EQUI
      - EQUNR
      - AEDAT
    - CLOBJ
      - CLOBJDAT (1:\*)
        - TABIX
        - ATFLV
        - ATNAM

Output (Flat)

- csv
  - row (0:\*)
    - EXPORT\_ID
    - EQUNR
    - AEDAT
    - TABIX
    - ATFLV
    - ATNAM
    - \_osdtTerminator

/DATAMAPPERPROJECTS/Structures/NestedXML2

/DATAMAPPERPROJECTS/Structure

Loop Validate Emit IsPresent IO/Database