

TS006978932 - Converting JSON to XML and then store it in the process data

Case history

30 Sep 2021

11:21 AM **spatha53** (IBM) changed Status from *Waiting for IBM* to *Awaiting your feedback*.

11:15 AM **spatha53** (IBM)

Hi Nicola,

Yes , you are right.

Please add the functionality you require in an enhancement request so that product can become better with future releases.

for enhancement request-<https://watsonsupplychain.ideas.aha.io/?project=B2BI>

Thanks

Shivang Pathaj

10:59 AM **Nicola Vaglica** (Customer) changed Status from *Awaiting your feedback* to *Waiting for IBM*.

10:59 AM **Nicola Vaglica** (Customer)

Hello Shivang,

thank you for the feedback.

If I understand well, there is no way to do the conversion from the XML encoded data to process data directly without storing it in a temporary file.

Am I right?

Thank you

Best Regards

Nicola

27 Sep 2021

06:07 AM **spatha53** (IBM)

Hello Nicola,

I acknowledge this case.

For your BP please correct xpath for PrimaryDocument2 to below:-

```
<assign to="PrimaryDocument2" from="/ProcessData/xmldoc/Document/@SCIOBJECTID"></assign>
```

Further , for you requirement on getting the result of json transformer into process data, it will not be possible as the XML which we get after the conversion is not a valid xml but but a string with the xml special characters (<, >, &) encoded:

I added a MailboxAdd after the DOMToDoc(Output) function. The content of the message is the following (for a sample json):

```
<?xml version="1.0" encoding="UTF-8"
```

```
standalone="yes"?>&lt;root&gt;&lt;student&gt;&lt;name&gt;XYZ&lt;/name&gt;&lt;age&gt;22&lt;/age&gt;&lt;/student&gt;&lt;/>
```

That explains why the DocToDOM is failing afterwards.

I think StringToDoc can not help you here .

Thanks

Shivang Pathak

06:07 AM **spatha53** (IBM) changed Status from *New Case* to *Awaiting your feedback*.

04:12 AM **Nicola Vaglica** (Customer)

I'm using currently the following BPML :

```
<operation name="xmljsontransformer">
```

```
<participant name="xmljsontransformer"/>
```

```
<output message="xmljsontransformerInputMessage">
```

```
<assign to="." from="PrimaryDocument/@SCIOBJECTID"></assign>
```

```
<assign to="InputType">JSON</assign>
```

```
<assign to="OutputPath" from="concat(tempDirectory/text(),tempFileName/text())"></assign>
```

```
<assign to="." from="*"></assign>
```

```
</output>
```

```
<input message="inmsg">
```

```
<assign to="." from="*"></assign>
```

```
</input>
```

```
</operation>
```

```
<assign to="xmldoc" from="DOMToDoc(/ProcessData/Output)"></assign>
```

```

<assign to="PrimaryDocument2" from="/xml/doc/Document/@SCIObjctID"></assign>
<assign to="." from="StringToDoc(/ProcessData/Output/text(),'PrimaryDocument')"></assign>
<operation name="XML Encoder">
  <participant name="XMLEncoder"/>
  <output message="XMLEncoderTypeInputMessage">
    <assign to="." from="*"></assign>
    <assign to="mode">xml_to_process_data</assign>
    <assign to="output_to_process_data">YES</assign>
    <assign to="root_element">files</assign>
    <assign to="validate_xml">NO</assign>
  </output>
  <input message="inmsg">
    <assign to="." from="*"></assign>
  </input>
</operation>

```

This is the process data snippet in the XMLEncoder step :

```

<tempFileName>Output_2792277.txt</tempFileName>
<tempDirectory>/tmp/</tempDirectory>
<input_type>JSON</input_type>
<Output><root><dataFlowId>e0b42038-923b-406e-b4ea-f2b4f68e7d35</dataFlowId><appName>ivass-ebds</appName>
<xml/doc>
  <Document SCIObjctID="12610917c088db49bnode1"/>
</xml/doc>
<PrimaryDocument2/>
<PrimaryDocument SCIObjctID="19613517c088db49bnode1"/>
<Prev_NotSuccess_Adv_Status>The XML input file cannot be processed. Details: Reference is not allowed in
prolog.</Prev_NotSuccess_Adv_Status>

```

This is the log with the error :

```

[2021-09-21 06:37:02.273] ERROR 000610040009
TRANSLATION.TRANSLATION_XMLENCODING.ERR_LightweightServiceImpl_exception8
XMLEncoder.xmlToProcessData caught parser exception while parsing the document :
PrimaryDocumentDocument.toString() [
Document Id: 81613417c088db49bnode1
Orig Document Id: null
Thread ID: HAR.2792277.Thread
Hash Code: -1132456523
Previous Doc Id:null
Body Name: null
Body Size: 286
Character Encoding: UTF-8
CreateTime: 2021-09-21 06:37:02.232
modifiedTime: 2021-09-21 06:37:02.232
documentName: PrimaryDocument
docBodyPresent: true
docBodyFromOutputStream: true
Object hashCode: -1132456523
modified: false
persistID: false
outputStreamToken: null
outputStream: null
storageInfo: {}
storageType: 0
workflowid: 2792277
body.length: 286
BODY Length: 286
00000001 26 6c 74 3b 72 6f 6f 74 26 67 74 3b 26 6c 74 3b &lt;root>&lt;
00000011 64 61 74 61 46 6c 6f 77 49 64 26 67 74 3b 65 30 dataFlowId&gt;e0
00000021 62 34 32 30 33 38 2d 39 32 33 62 2d 34 30 36 65 b42038-923b-406e
00000031 2d 62 34 65 61 2d 66 32 62 34 66 36 38 65 37 64 -b4ea-f2b4f68e7d
00000041 33 35 26 6c 74 3b 2f 64 61 74 61 46 6c 6f 77 49 35&lt;/dataFlowI
00000051 64 26 67 74 3b 26 6c 74 3b 61 70 70 4e 61 6d 65 d&gt;&lt;appName
00000061 26 67 74 3b 69 76 61 73 73 2d 65 62 64 73 26 6c &gt;ivass-ebds&l
00000071 74 3b 2f 61 70 70 4e 61 6d 65 26 67 74 3b 26 6c t;/appName&gt;&l
00000081 74 3b 66 6c 6f 77 4e 61 6d 65 26 67 74 3b 73 65 t;flowName&gt;se

```

Support case history



```

00000091 67 6e 61 6c 61 7a 69 6f 6e 69 2d 69 6e 26 6c 74 gnalazioni-in&lt
000000a1 3b 2f 66 6c 6f 77 4e 61 6d 65 26 67 74 3b 26 6c ;/flowName&gt;&l
000000b1 74 3b 76 65 72 73 69 6f 6e 26 67 74 3b 31 26 6c t;version&gt;1&l
000000c1 74 3b 2f 76 65 72 73 69 6f 6e 26 67 74 3b 26 6c t;/version&gt;&l
000000d1 74 3b 63 72 65 61 74 65 64 54 69 6d 65 26 67 74 t;createTime&gt
000000e1 3b 32 30 32 31 2d 30 39 2d 32 30 54 31 36 3a 33 ;2021-09-20T16:3
000000f1 37 3a 33 33 2e 39 36 32 2b 30 30 30 26 6c 74 7:33.962+0000&lt
00000101 3b 2f 63 72 65 61 74 65 64 54 69 6d 65 26 67 74 ;/createTime&gt
00000111 3b 26 6c 74 3b 2f 72 6f 6f 74 26 67 74 3b ;&lt;/root&gt;
streamedToDb: false
extensionsLoaded : true]
[2021-09-21 06:37:02.273] ERROR [1632231422273] Reference is not allowed in prolog.
[2021-09-21 06:37:02.273] ERROR DTL [1632231422273]org.xml.sax.SAXParseException: Reference is not allowed in
prolog.
    at org.apache.xerces.parsers.DOMParser.parse(Unknown Source)
    at
com.sterlingcommerce.woodstock.services.translation.lightweight.LightweightTxServiceImpl.xmlToProcessData(Lightweig
at
com.sterlingcommerce.woodstock.services.translation.lightweight.LightweightTxServiceImpl.processData(LightweightTxSe
at
com.sterlingcommerce.woodstock.workflow.activity.engine.ActivityEngineHelper.invokeService(ActivityEngineHelper.java:
at
com.sterlingcommerce.woodstock.workflow.activity.engine.ActivityEngineHelper.nextMainLogic(ActivityEngineHelper.java
at
com.sterlingcommerce.woodstock.workflow.activity.engine.ActivityEngineHelper.next(ActivityEngineHelper.java:362)
at
com.sterlingcommerce.woodstock.workflow.queue.WorkFlowQueueListener.doWork(WorkFlowQueueListener.java:461)
at
com.sterlingcommerce.woodstock.workflow.queue.WorkFlowQueueListener.run(WorkFlowQueueListener.java:240)
at
com.sterlingcommerce.woodstock.workflow.queue.WorkFlowQueueListener.onMessage(WorkFlowQueueListener.java:19
at
com.sterlingcommerce.woodstock.workflow.queue.WorkFlowQueueListener.onMessage(WorkFlowQueueListener.java:18
at com.sterlingcommerce.woodstock.workflow.queue.wfTransporter.run(wfTransporter.java:447)
at com.sterlingcommerce.woodstock.workflow.queue.BasicExecutor$Worker.run(BasicExecutor.java:508)
at java.lang.Thread.run(Thread.java:822)

```

04:11 AM **Nicola Vaglica** (Customer)