

## Kepler - Bug #4968

### Could not validate generated KAR file for uploading to repository

04/30/2010 02:05 PM - Sean Riddle

<b>Status:</b>	Resolved	<b>Start date:</b>	04/30/2010
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	0%
<b>Category:</b>	core	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.0.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	4968		
<b>Description</b>			
I created a KAR file by doing the following:			
1) Instantiate: * An SDF director (iterations=1) * A StringConstant (value="Hello world!") * A Display			
2) Connect the StringConstant to the Display			
3) Create a new report containing Display.input.			
4) Attempt to save to a repository.			
The following exception is produced:			
org.xml.sax.SAXParseException: cvc-complex-type.2.4.a: Invalid content was found starting with element 'KAR-Version'. One of '{!sid}' is expected.			

### History

#### #1 - 04/30/2010 02:13 PM - Jing Tao

The xml looks like:

```
<mainAttributes>
<KAR-Version>2.0</KAR-Version>
<Manifest-Version>1.4.2</Manifest-Version>
<module-dependencies>provenance;core;reporting</module-dependencies>
<lsid>urn:lsid:kepler-project.org/ns/:882:14:1</lsid>
</mainAttributes>
```

However, the schema looks like:

```
<xs:complexType name="mainAttributesType">
<xs:sequence>
<xs:element name="lsid" />
<xs:element name="module-dependencies" minOccurs="0" />
<xs:element name="KAR-Version" />
<xs:element name="Manifest-Version" />
</xs:sequence>
</xs:complexType>
```

The order doesn't match

#### #2 - 04/30/2010 04:31 PM - Jing Tao

During the generating the children elements of mainAttribute, kepler iterated a Set object to get names and values. However, Set objects couldn't keep order. So it may create an invalid document.

Now we change to use an ordered key list to get the names and values. The order will be persistent and any invalid document would not be generated.

I used the procedure on comment 1 and got an valid document.

I also tried upload some another kar files, it worked as well.

Sean, would you please test it again? If it works, would you please close the bug? Thanks.

#### #3 - 04/30/2010 05:33 PM - Jing Tao

Close it. If Sean finds an issue on his testing, this bug will be reopened.

#4 - 03/27/2013 02:28 PM - Redmine Admin

Original Bugzilla ID was 4968

## Files

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hello-report-metadata.xml	23.5 KB	04/30/2010	Sean Riddle
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