Question Yakov Berger · Oct 27, 2020

## Newbie - DTL Test Tool Works - DTL Doesn't

Newbie Warning...

I have a DTL which accepts HL7 2.3:ORUR01 And Transforms to Custom Request Target

the target request contains an array of a custom class named OBXobj with some %string properties which Extends (%RegisteredObject, %XML.Adaptor)

in the DTL i have a for each loop which should copy OBX segments to the the request.

the DTL test tools works and builds a XML with the OBX info.

when running the Production i get NULL in the Object.

see attached images

## 1. Test

```
        Input wessage (supported formats: HL/ input)

        MSH ^~\&|||||0RU^R01 |HP1026223738.020KORONA7330|P|2.3||||8859/1

        PID|||"^^^^MR|""^^"|""

        PVI
        I|Quarantine^Bed 6&0&0

        OBR
        I|||20201026223723

        OBR
        I||20201026223723

        OBX
        IST 0402-f8f5^Mode^MDIL|0|MONITORING|||||F||SETTING

        OEX
        NM 0002-f8f5^Mode^MDIL|0|1.6|0004-0200^^MDIL||||F

        OBX
        NM 0002-4bb0^Perf^MDIL|0|1.6|0004-0200^^MDIL||||F

        OBX
        NM 0002-4bb8^Sp02^MDIL|0|94|0004-0220^%^MDIL|90-100|||F
```

Output Message

```
<InsertMonResultInfoRequest>
  <messageControlId>HP1026223738.020KORONA7330</messageControlId>
  <deviceDeptName>Quarantine</deviceDeptName>
  <deviceBedNum>Bed 6</deviceBedNum>
  <observationDate>20201026223723</observationDate>
  <OBXobi>
    <OBXClass OBXobjKey="1">
      <MDILCode>0402-f8f5</MDILCode>
      <result>MONITORING</result>
    </OBXClass>
    <OBXClass OBXobjKey="2">
      <MDILCode>0002-4bb0</MDILCode>
      <result>1.6</result>
      <unitsMDILCode>0004-0200</unitsMDILCode>
    </OBXClass>
    <OBXClass OBXobjKey="3">
      <MDILCode>0002-4822</MDILCode>
      <result>92</result>
      <unitsMDILCode>0004-0aa0</unitsMDILCode>
    </OBXClass>
    <OBXClass OBXobjKey="4">
      <MDILCode>0002-4bb8</MDILCode>
      <result>94</result>
      <unitsMDILCode>0004-0220</unitsMDILCode>
      <refDesc>90-100</refDesc>
    </OBXClass>
  </OBXobj>
</InsertMonResultInfoRequest>
```

## 2. Message sent.

xn</th <th>ml version="1.0" ?&gt;</th>	ml version="1.0" ?>						
</th <th>- type: Laniado.MSG.Monitors.InsertMonResultInfoRequest id: 6146&gt;</th>	- type: Laniado.MSG.Monitors.InsertMonResultInfoRequest id: 6146>						
	<pre>sertMonResultInfoRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>						
xml	<pre>ns:s="http://www.w3.org/2001/XMLSchema"&gt;</pre>						
	<messagecontrolid>HP1026223738.020KORONA7330</messagecontrolid>						
	<devicedeptname>Quarantine</devicedeptname>						
	<devicebednum>Bed 6</devicebednum>						
<pre><observationdate>20201026223723</observationdate></pre>							
	<obxobj></obxobj>						
	<pre><obxclass obxobjkey="1" xsi:nil="true"></obxclass></pre>						
	<pre><obxclass obxobjkey="2" xsi:nil="true"></obxclass></pre>						
	<pre><obxclass obxobjkey="3" xsi:nil="true"></obxclass></pre>						
	<pre><obxclass obxobjkey="4" xsi:nil="true"></obxclass></pre>						
	insertMonResultInfoRequest>						

## 3. Transformation

(P						=
► NTE(	0	b •••	result()			
<b>⊘OBX</b>	(∇ OBXgrp()		unitsMDILCode()			
	OBX	<b>0</b>	refDesc()			
	1: SetIDOBX		refAlert()			
	2: ValueType		⊳(∇ OBXobj()			
	> 3: ObservationIdentifier	oo-	MDILCode			
	4: ObservationSubID		result			
	5: ObservationValue()		unitsMDILCode			
	▶ 6: Units		refDesc			
	7: ReferencesRange					
	8: AbnormalFlags()					
	9: Probability					
	10: NatureofAbnormalTest					
	11: ObservResultStatus					
	> 12: DateLastObsNormalValues					
	13: UserDefinedAccessChecks					
	> 14: DateTimeoftheObservation	O				
Actions	) 🔀 🗐 📋				▼	٢
# Action Condition	Property	Value		Key / Transform		
4 set	target.observationDate	source.{PIDgrpgrp(1).ORC	grp(1).OBR:ObservationDateTime}			
5 for each 👿	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp()}			k1		
6 set	target.MDILCode.(k1)	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:ObservationIdentif	un		
7 set	target.unitsMDILCode.(k1)	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:Units.identifier}			
8 set	target.result.(k1)	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:ObservationValue()	nn.		
9 set	target.refDesc.(k1)	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:ReferencesRange}			
10 set	target.OBXobj.(k1).MDILCode	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:ObservationIdentif			
11 set	target.OBXobj.(k1).result	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:ObservationValue()			
12 set	target.OBXobj.(k1).unitsMDILCode	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:Units.identifier}			
13 set	target.OBXobj.(k1).refDesc	source.{PIDgrpgrp(1).ORC	grp(1).OBXgrp(k1).OBX:ReferencesRange}			
14 endeach						

Whats my problem?

Thanks!

#InterSystems IRIS for Health

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