

## 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:ORU\_R01 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)

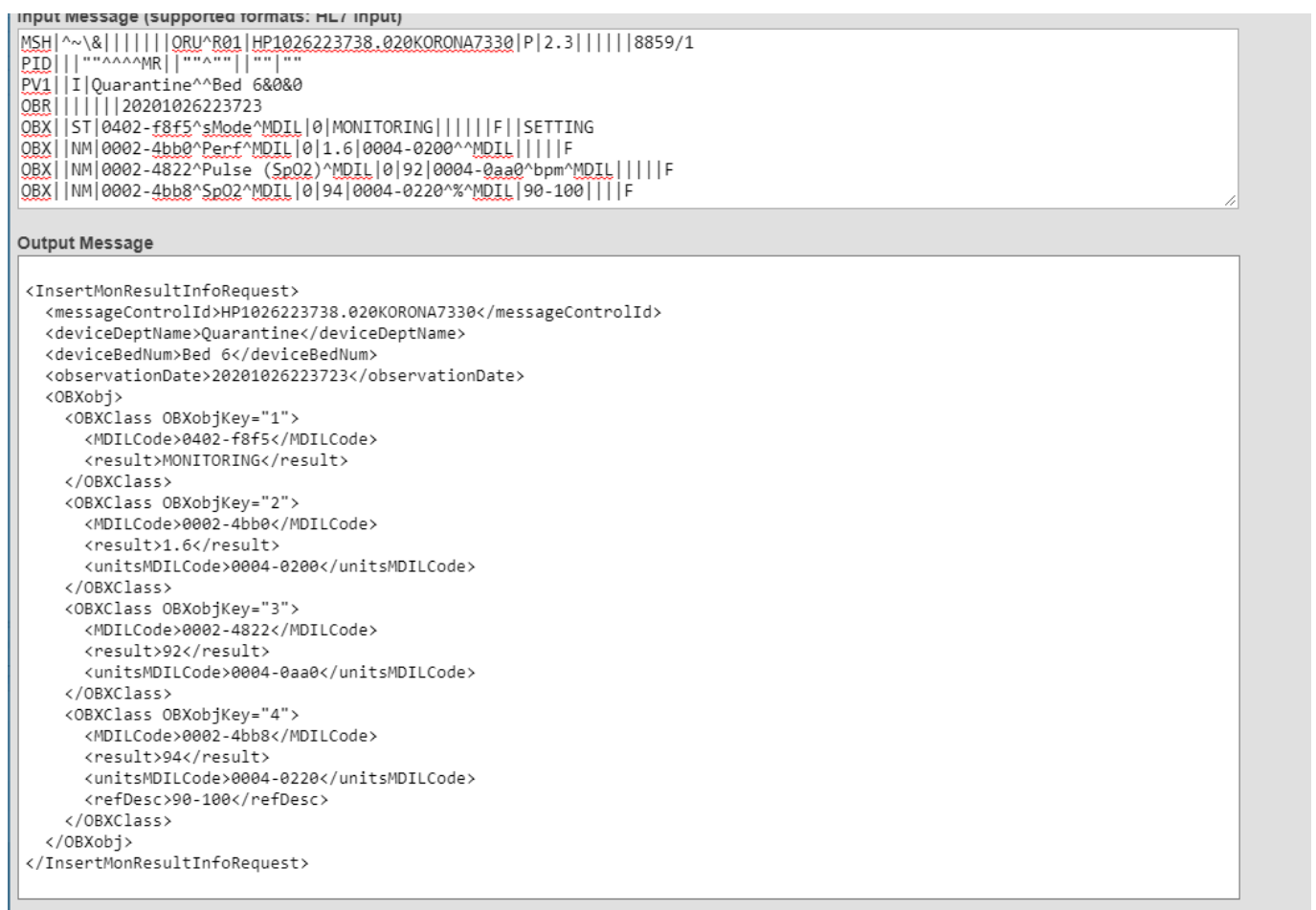
in the DTL i have a for each loop which should copy OBX segments to the the request.

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



The screenshot displays the DTL Test Tool interface. The top section, titled "Input message (supported formats: HL7 input)", shows an HL7 ORU\_R01 message. The bottom section, titled "Output Message", shows the resulting XML structure. The XML is an `<InsertMonResultInfoRequest>` containing a `<messageControlId>`, `<deviceDeptName>`, `<deviceBedNum>`, `<observationDate>`, and an array of `<OBXobj>` elements. Each `<OBXobj>` element contains `<OBXClass>` with `<MDILCode>`, `<result>`, and `<unitsMDILCode>`.

```
Input message (supported formats: HL7 input)
MSH|^~&|||||ORU^R01|HP1026223738.020KORONA7330|P|2.3|||||8859/1
PID|||""^A^AMR||""^A""||""|""
PV1|I|Quarantine^Bed 6&0&0
OBR|||20201026223723
OBX|ST|0402-f8f5^sMode^MDIL|0|MONITORING|||||F|SETTING
OBX|NM|0002-4bb0^Perf^MDIL|0|1.6|0004-0200^MDIL|||||F
OBX|NM|0002-4822^Pulse (SpO2)^MDIL|0|92|0004-0aa0^bpm^MDIL|||||F
OBX|NM|0002-4bb8^SpO2^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>
  <OBXobj>
    <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.

```

Expand All
<?xml version="1.0" ?>
<!-- type: Laniado.MSG.Monitors.InsertMonResultInfoRequest id: 6146 -->
<InsertMonResultInfoRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:s="http://www.w3.org/2001/XMLSchema">
  <messageControlId>HP1026223738.020KORONA7330</messageControlId>
  <deviceDeptName>Quarantine</deviceDeptName>
  <deviceBedNum>Bed 6</deviceBedNum>
  <observationDate>20201026223723</observationDate>
  <OBXobj>
    <OBXClass OBXObjKey="1" xsi:nil="true"></OBXClass>
    <OBXClass OBXObjKey="2" xsi:nil="true"></OBXClass>
    <OBXClass OBXObjKey="3" xsi:nil="true"></OBXClass>
    <OBXClass OBXObjKey="4" xsi:nil="true"></OBXClass>
  </OBXobj>
</InsertMonResultInfoRequest>
    
```

3. Transformation

#	Action	Condition	Property	Value	Key / Transform
4	set		target.observationDate	source.{PIDgrpgrp(1).ORCgrp(1).OBR:ObservationDateTime}	""
5	for each		source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp()}		k1
6	set		target.MDILCode.(k1)	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:ObservationIdentif...	""
7	set		target.unitsMDILCode.(k1)	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:Units.identifier}	""
8	set		target.result.(k1)	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:ObservationValue()...	""
9	set		target.refDesc.(k1)	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:ReferencesRange}	""
10	set		target.OBXobj.(k1).MDILCode	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:ObservationIdentif...	""
11	set		target.OBXobj.(k1).result	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:ObservationValue()...	""
12	set		target.OBXobj.(k1).unitsMDILCode	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:Units.identifier}	""
13	set		target.OBXobj.(k1).refDesc	source.{PIDgrpgrp(1).ORCgrp(1).OBXgrp(k1).OBX:ReferencesRange}	""
14	endeach				

Whats my problem?

Thanks!

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