

Question

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Why does a DT succeed in test while failed in run time

Hi, guys,

I've written a DT for a partner which transfers a csv file into SDA3.

I, using record map to gather data from a folder storing csv files and using the DT to transfer the records into sda3 entities.

The followings are the codes of that DT:

```
Class POC.DT.CSV2SDA3 Extends Ens.DataTransformDTL [ DependsOn = (User.PhysicalExam.Record, POC.SDA.Container) ]
```

```
{  
  
Parameter IGNOREMISSINGSOURCE = 1;  
  
Parameter REPORTERRORS = 1;  
  
Parameter TREATEMPTYREPEATINGFIELDASNULL = 0;  
  
XData DTL [ XMLNamespace = "http://www.intersystems.com/dtl" ]  
  
{  
  
<transform sourceClass='User.PhysicalExam.Record' targetClass='POC.SDA.Container' create='new'  
language='objectscript' >  
  
<assign value="AddOrUpdate" property='target.Action' action='set' />  
  
<assign value="TRDY" property='target.SendingFacility' action='set' />  
  
<assign value='1' property='target.UpdateECRDemographics' action='set' />  
  
<assign value='source.ExamNumber' property='target.Patient.PatientNumbers.(1).Number' action='set' />  
  
<assign value="TRDY" property='target.Patient.PatientNumbers.(1).Organization.Code' action='set' />  
  
<assign value="同人大友" property='target.Patient.PatientNumbers.(1).Organization.Description' action='set' />  
  
<assign value="MRN" property='target.Patient.PatientNumbers.(1).NumberType' action='set' />  
  
<assign value='source.CertNumber' property='target.Encounters.(1).EncounterNumber' action='set' />  
  
<if condition="男" = source.Gender' >  
  
<true>  
  
<assign value="M" property='target.Patient.Gender.Code' action='set' />  
  
</if>  
  
</transform>  
  
</XData>  
  
</DTL>  
  
</Class>
```

```
<assign value="" property='target.Patient.Gender.Description' action='set' />
</true>
<false>
<assign value="" property='target.Patient.Gender.Code' action='set' />
<assign value="" property='target.Patient.Gender.Description' action='set' />
</false>
</if>
<assign value='source.DOB_ " 00:00:00"' property='target.Patient.BirthTime' action='set' />
<assign value='source.Dept1' property='target.Patient.Organizations.(1).Organization.Description' action='set' />
<assign value='source.EmpNumber' property='target.Patient.Organizations.(1).Organization.Eld' action='set' />
<assign value='source.BranchNumber' property='target.Patient.Organizations.(1).Organization.Extension'
action='set' />
<assign value='source.ExamStTime_ " 00:00:00"' property='target.Encounters.(1).FromTime' action='set' />
<assign value='source.CertNumber' property='target.Patient.MPIID' action='set' />
<assign value='source.MaritalStatus' property='target.Patient.MaritalStatus.Description' action='set' />
<assign value='source.MobileNumber' property='target.Patient.ContactInfo.MobilePhoneNumber' action='set' />
<assign value='source.ExamNumber' property='target.Patient.Name.PreferredName' action='set' />
<assign value='source.ExamNumber' property='target.Patient.Name.FamilyName' action='set' />
<assign value='source.ExamNumber' property='target.Patient.Name.GivenName' action='set' />
<assign value='source.CertNumber' property='target.PhysicalExams.(1).EncounterNumber' action='set' />
<assign value='source.ExamNumber_ "Height"' property='target.PhysicalExams.(1).PhysExamCode.Code'
action='set' />
<assign value="" property='target.PhysicalExams.(1).PhysExamCode.Description' action='set' />
<assign value='source.ExamStTime_ " 00:00:00"' property='target.PhysicalExams.(1).PhysExamTime' action='set'
/>
<assign value="" property='target.PhysicalExams.(1).PhysExamObs' action='set' />
<assign value="" property='target.PhysicalExams.(1).PhysExamObs.Description' action='set' />
<assign value='source.Height' property='target.PhysicalExams.(1).PhysExamObsValue.Description' action='set' />
<assign value="" property='target.PhysicalExams.(1).PhysExamObsQualifier.Description' action='set' />
<assign value='source.CertNumber' property='target.PhysicalExams.(2).EncounterNumber' action='set' />
<assign value='source.ExamNumber_ "Weight"' property='target.PhysicalExams.(2).PhysExamCode.Code'
```

```
action='set' />
<assign value="" property='target.PhysicalExams.(2).PhysExamCode.Description' action='set' />
<assign value='source.ExamStTime_" 00:00:00"' property='target.PhysicalExams.(2).PhysExamTime' action='set' />
<assign value="" property='target.PhysicalExams.(2).PhysExamObs' action='set' />
<assign value="" property='target.PhysicalExams.(2).PhysExamObs.Description' action='set' />
<assign value='source.Weight' property='target.PhysicalExams.(2).PhysExamObsValue.Description' action='set' />
<assign value="" property='target.PhysicalExams.(2).PhysExamObsQualifier.Description' action='set' />
<assign value='source.CertNumber' property='target.LabOrders.(1).EncounterNumber' action='set' />
<assign value='source.CertNumber' property='target.LabOrders.(1).Result.EncounterNumber' action='set' />
<assign value="" property='target.LabOrders.(1).Result.ResultType' action='set' />
<assign value='source.CertNumber' property='target.LabOrders.(1).Result.ResultItems.(1).EncounterNumber' action='set' />
<assign value="" property='target.LabOrders.(1).Result.ResultItems.(1).SubId' action='set' />
<assign value="" property='target.LabOrders.(1).Result.ResultItems.(1).TestItemCode.Code' action='set' />
<assign value="" property='target.LabOrders.(1).Result.ResultItems.(1).TestItemCode.Description' action='set' />
<assign value='source.UBadgvanxing' property='target.LabOrders.(1).Result.ResultItems.(1).ResultValue' action='set' />
<assign value="" property='target.LabOrders.(1).Result.ResultItems.(1).ResultValueUnits' action='set' />
</transform>
}
}
```

POC.SDA.Container is a entity class inherited from HS.SDA3.Container, as below:

Class POC.SDA.Container Extends (%Persistent, %XML.Adaptor, HS.SDA3.Container)

```
{}
```

The I used test the DT in management portal, with the input:

```
<test>
<Record>
  <ExamNumber>1805030190021</ExamNumber>
  ...
  <UBadgvanxing>0</UBadgvanxing>
  ...
</Record>
</test>
```

The value of UBadguanxing will trigger the generation of labresult.

the result is as below:

```
<Container>
  <Patient>
    <MPIID>210304198510110216</MPIID>
    .....
  <LabOrders>
    <LabOrder>
      <PlacerId>TRDY</PlacerId>
      <Result>
        <ResultType>??</ResultType>
        <ResultItems>
          <LabResultItem>
            <TestItemCode>
              <Code>bingliguanxing</Code>
              <Description>??</Description>
            </TestItemCode>
            <ResultValue>0</ResultValue>
            <SubId>1</SubId>
            <ResultValueUnits>?</ResultValueUnits>
            <EncounterNumber>210304198510110216</EncounterNumber>
          </LabResultItem>
        </ResultItems>
        <EncounterNumber>210304198510110216</EncounterNumber>
      </Result>
      <Specimens>
        <Specimen>
          <EncounterNumber>210304198510110216</EncounterNumber>
          <SpecimenType>
            <Code>Urine</Code>
            <Description>?</Description>
          </SpecimenType>
        </Specimen>
      </Specimens>
      <EncounterNumber>210304198510110216</EncounterNumber>
    </LabOrder>
  </LabOrders>
  <Action>AddOrUpdate</Action>
  <UpdateECRDemographics>true</UpdateECRDemographics>
  <SendingFacility>TRDY</SendingFacility>
</Container>
```

Please notice that the node LabOrder has content.

Then I used the production which reads a csv file into the record map and calling the dt , the same data was loaded into record map, but the output SDA file looks as below:

```
.....
<LabOrders>
<LabOrder xsi:nil="true"></LabOrder>
</LabOrders>
```

.....

LabOrder is Empty.

Any idea will be helpful. Thank you guys.

[#DTL](#) [#Ensemble](#)

Source URL: <https://community.intersystems.com/post/why-does-dt-succeed-test-while-failed-run-time>