

## Question

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## Help with JSON/XDATA Mapping

Hi There,

I'm fairly new to ObjectScript/Ensemble and I'm sure I may be fundamentally misunderstanding how the %JSONImport/%JSONExport and XDATA mapping work and I was hoping you good folks could help me out. I'm essentially trying to create an object that I can use to translate from one JSON schema to another.

First my class:

```
Class SERVICESVCPKG.Model.AthenaAppointment Extends (%Persistent,
%DynamicAbstractObject, %JSON.Adaptor)
{

Parameter %JSONENABLED = 1;

Property AppointmentID As %String(%JSONFIELDNAME = "AppointmentID",
%JSONINCLUDE = "inout");

Property AppointmentType As %String(%JSONINCLUDE = "inout");

Property AppointmentTypeID As %String(%JSONINCLUDE = "inout");

Property Date As %String(%JSONINCLUDE = "inout");

Property DepartmentID As %String(%JSONINCLUDE = "inout");

Property Duration As %Integer(%JSONINCLUDE = "inout");

Property PatientAppointmentTypeName As %String(%JSONINCLUDE = "inout");

Property LocalProviderID As %String(%JSONINCLUDE = "inout");

Property ProviderID As %String(%JSONINCLUDE = "inout");

Property StartTime As %String(%JSONINCLUDE = "inout");

Property Reason As %String(%JSONINCLUDE = "inout");

XData AthenaAppointment
{
<Mapping xmlns="http://www.intersystems.com/jsonmapping">
  <Property Name="AppointmentID" FieldName="appointmentid" />
  <Property Name="AppointmentType" FieldName="appointmenttype" />
  <Property Name="AppointmentTypeID" FieldName="appointmenttypeid" />
  <Property Name="Date" FieldName="date" />
  <Property Name="DepartmentID" FieldName="departmentid" />
  <Property Name="Duration" FieldName="duration" />
  <Property Name="PatientAppointmentTypeName" FieldName=
"patientappointmenttypename" />
```

```
        <Property Name="LocalProviderID" FieldName="localproviderid" />
        <Property Name="ProviderID" FieldName="providerid" />
        <Property Name="StartTime" FieldName="starttime" />
        <Property Name="Reason" FieldName="reason" />
    </Mapping>
}
```

Storage Default

```
{
  <Data name="AthenaAppointmentDefaultData">
    <Value name="1">
      <Value>%%CLASSNAME</Value>
    </Value>
    <Value name="2">
      <Value>AppointmentID</Value>
    </Value>
    <Value name="3">
      <Value>AppointmentType</Value>
    </Value>
    <Value name="4">
      <Value>AppointmentTypeID</Value>
    </Value>
    <Value name="5">
      <Value>Date</Value>
    </Value>
    <Value name="6">
      <Value>DepartmentID</Value>
    </Value>
    <Value name="7">
      <Value>Duration</Value>
    </Value>
    <Value name="8">
      <Value>PatientAppointmentTypeName</Value>
    </Value>
    <Value name="9">
      <Value>LocalProviderID</Value>
    </Value>
    <Value name="10">
      <Value>ProviderID</Value>
    </Value>
    <Value name="11">
      <Value>StartTime</Value>
    </Value>
    <Value name="12">
      <Value>Reason</Value>
    </Value>
    <Value name="13">
      <Value>AppointmentTypeID</Value>
    </Value>
  </Data>
  <DataLocation>^SERVICESVC2A71.AthenaAppoi8EB1D</DataLocation>
  <DefaultData>AthenaAppointmentDefaultData</DefaultData>
  <IdLocation>^SERVICESVC2A71.AthenaAppoi8EB1D</IdLocation>
  <IndexLocation>^SERVICESVC2A71.AthenaAppoi8EB1I</IndexLocation>
  <StreamLocation>^SERVICESVC2A71.AthenaAppoi8EB1S</StreamLocation>
  <Type>%Storage.Persistent</Type>
}
```

}

Here's what I see what I try to implement that class and call the JSON methods. Nothing seems to be translating into my AthenaAppointment Object.

```

^XVMC(0)=
{"date":"","06/27/2022","appointmentid":1214525,"departmentid":195,"localprovi
derid":187,"appointmenttype":"","NEW PATIENT 45","providerid":187,"starttime":"","
14:00","duration":45,"appointmenttypeid":1188,"reasonid":["-1"],"patientap
pointmenttypename":"","New Patient"}
SERVICESVC>set myObject = ##class(%DynamicAbstractObject).%FromJSON(^XVMC(0))

SERVICESVC>zw myObject
myObject={"date":"06/27/2022","appointmentid":1214525,"departmentid":195,"
localproviderid":187,"appointmenttype":"NEW PATIENT 45","providerid":187,"
starttime":"14:00","duration":45,"appointmenttypeid":1188,"reasonid":["-1"],"
patientappointmenttypename":"New Patient"} ; <DYNAMIC OBJECT>

d AthenaAppointment.%JSONImport(myObject,"AthenaAppointment")

SERVICESVC>zw AthenaAppointment
AthenaAppointment=3@SERVICESVCPKG.Model.AthenaAppointment ; <OREF>
+----- general information -----
|      oref value: 3
|      class name: SERVICESVCPKG.Model.AthenaAppointment
|      reference count: 2
+----- attribute values -----
|      %Concurrency = 1 <Set>
|      AppointmentID = ""
|      AppointmentType = ""
|      AppointmentTypeID = ""
|      Date = ""
|      DepartmentID = ""
|      Duration = ""
|      LocalProviderID = ""
|      PatientAppointmentTypeName = ""
|      ProviderID = ""
|      Reason = ""
|      StartTime = ""
+-----

```

Any nudges in the right direction would be greatly appreciated!

[#JSON #InterSystems IRIS for Health](#)

Product version: IRIS 2022.1

\$ZV: IRIS for UNIX (Ubuntu Server LTS for x86-64 Containers) 2021.2 (Build 651U) Mon Jan 31 2022 18:07:01 EST