Question
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FHIR Resource JSON deserialize error FHIRToHSFHIR - ERROR #5001: %FromFHIRJSON failed - ERROR #5002: ObjectScript error: <INVALID OREF>%FromFHIRJSON2+158^HS.JSON.AdaptorFHIR.1

I am de-serialzing a FHIR Resource CodeSystem in STU3 FHIR resources from JSON in my Business Process using the following code:

```
set pCodeSystemResource = ##class(HS.FHIR.vSTU3.Model.Resource.CodeSystem).%New()
set tStream = ##class(HS.SDA3.QuickStream).%OpenId(pFHIRRequest.QuickStreamId)
if $IsObject(tStream) {
    set tSC = ##class(HS.FHIR.Utils).FHIRToHSFHIR(pFHIRRequest.ContentType, tStream,
.pCodeSystemResource, "HS.FHIR.vSTU3.Model.Resource")
}
```

At this point it was validated that the ResourceType in the pFHIRRequest is "CodeSystem"

The error I am getting is in the FHIRToHSFHIR Implementation's call to FromFHIRJSON
and this calls FromFHIRJSON2

The HTTP message is a POST (I am testing to create a new CodeSystem entry) and it does have Content-Type header of "application/json+fhir; charset=UTF-8"

I could not find any documentaiton on how the FHIR JSON de-serialization should work, any documentation or information shall be appreciated.

The JSON being sent is (this is the exact JSON from the publication-status I found on the FHIR website at
: http://hl7.org/fhir/STU3/codesystem-publication-status.html
I deleted the "extensions" section however to make it shorter, I do not need it for my test.

```
{
  "resourceType" : "CodeSystem",
  "id" : "publication-status",
  "meta" : {
    "lastUpdated" : "2019-10-30T13:56:25.343+11:00"
  },
  "text" : {
    "status" : "generated",
    "div" : "<div>!-- Snipped for Brevity --></div>"
  },
  "url" : "http://hl7.org/fhir/publication-status",
  "identifier" : [{
    "system" : "urn:ietf:rfc:3986",
    "value" : "urn:oid:2.16.840.1.113883.4.642.4.4"
  }],
  "version" : "4.0.1",
  "name" : "PublicationStatus",
  "title" : "PublicationStatus",
  "status" : "active",
```

```
 "experimental" : false,
 "date" : "2019-10-30T13:56:25+11:00",
 "description" : "The lifecycle status of an artifact.",
 "caseSensitive" : true,
 "valueSet" : "http://hl7.org/fhir/ValueSet/publication-status",
 "content" : "complete",
 "concept" : [{
  "code" : "draft",
  "display" : "Draft",
  "definition" : "This resource is still under development and is not yet considered to be ready for normal use.",
  "designation" : [{
   "language" : "ru",
   "value" : "ÑÐµÑ€ Ð½Ð¾Ð² Ð¸ Ð°"
  },
  {
   "language" : "nl",
   "value" : "ontwerp"
  }]
 },
 {
  "code" : "active",
  "display" : "Active",
  "definition" : "This resource is ready for normal use.",
  "designation" : [{
   "language" : "ru",
   "value" : "ÐÐºÑ‚ Ð¸ Ð² Ð½Ñ‹ Ð¹"
  },
  {
   "language" : "nl",
   "value" : "actief"
  }]
 },
 {
  "code" : "retired",
  "display" : "Retired",
  "definition" : "This resource has been withdrawn or superseded and should no longer be used.",
  "designation" : [{
   "language" : "ru",
   "value" : "Ñƒ Ð´ ÐÐ» Ñ‘Ð½"
  },
  {
   "language" : "nl",
   "value" : "verouderd"
  }]
 },
 {
  "code" : "unknown",
  "display" : "Unknown",
  "definition" : "The authoring system does not know which of the status values currently applies for this resource.
Note: This concept is not to be used for \ "other\ " - one of the listed statuses is presumed to apply, it's just not
known which one."
 }]
}
```

#FHIR #InterSystems IRIS

Source URL: https://community.intersystems.com/post/fhir-resource-json-deserialize-error-fhirtohsfhir-error-5001-fromfhirjson-failed-error-5002