Question

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Returning a Stream in an ObjectScript Custom SQL Function

I'm attempting to extract some very large messages from Interoperability/Ensemble, and I'm just not getting something right...

The closest I've come to getting something useful is this:

```
ClassMethod GetHL7Msg(pId As %String) As %Stream.TmpCharacter [ SqlName = GetMsg, Sql
Proc ]
{
    Set tHl7 = ##class(EnsLib.HL7.Message).%OpenId(pId,,.tSC)
    Throw:$$$ISERR(tSC) ..GetErr(-400, "HL7 Message with ID "_pId_" Not Found.")
    Set tMsg = ##class(%Stream.TmpCharacter).%New()
    Set tSC = tHl7.OutputToLibraryStream(.tMsg)
    Do tHl7.%Close()
    Return tMsg
}
```

When I call this via an ODBC query:

```
SELECT ID, SourceConfigName, TargetConfigName, HICG.GetMsg(MessageBodyId) As Message
FROM Ens.MessageHeader
  WHERE
    MessageBodyClassName = 'EnsLib.HL7.Message' AND
    TargetConfigName = 'OptumMdmOut'
  ORDER BY ID ASC
```

I get a single, **properly formed** row back (there should be 1,000), and an error in the xDBC Errors log in IRIS:

Process: 16480
Error:

2020-10-23 07:37:38 [SQLCODE: <-412>:<General stream error>] [Error: <<INVALID OREF>PrepareStream+6^%SYS.SQLStreamSRV>] [Location: <ReadStreamODBC::PrepareStream>] [Client info: <Username: Jeff, Node Name: WIN10X64-VM01, IP Address: 10.208.8.90, Executable Name: HL7Spy.exe, Internal Function: AS>] [%protocol: <59>] $Id: //adhocs-iris/2020.1.0.217.1/

Any thoughts?

#Ensemble #HealthShare #InterSystems IRIS for Health

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