

Question

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Dealing with JavaGateway output

Hi everyone,

I have just started to use JavaGateway and I didn't encountered so much difficulties since I've got the output of the Java class I have called.

This is the class I have implemented:

```
Method OnRequest(pRequest As EnsLib.HL7.Message, Output pResponse As
EnsLib.HL7.Message) As %Status
{
set MDMarchiv=pRequest.OutputToString()
$$$TRACE(MDMarchiv)
#dim RPConverter = ##class(training.hl7.HL7toRP).%New()
set output=RPConverter.hl7toRp(MDMarchiv)
$$$LOGINFO("after transformation: "_output)
set RPStream = ##class(%FileCharacterStream).%New(output) #dim
finalResponse As %FileCharacterStream=##class(%FileCharacterStream).%New()
set sc = ..Transform(output, "xdata://" _ $classname() _ ":" _ "addSOAP", .
finalResponse)
#dim RPArchiv As HS.Message.XMLMessage = ##class(HS.Message.XMLMessage).%New()
set RPArchiv.ContentStream=RPStream
set sc=..SendRequestAsync("lombardia.bus.DCEProcess",RPArchiv)
if $$$ISERR(sc) {quit sc}
quit $$$OK
}
```

Basically, I want want to translate an HL7 message into an XML message through the java class called by the JavaGateway in this way:

```
Parameter JAVAGATEWAYPORT = 55555; Method hl7toRp(hl7 As %String) As %String
{
#dim jgw As %Net.Remote.Gateway = "" // #dim ret As %String="" try
{
$$$LOGINFO("START: JAVAGTW "_.#JAVAGATEWAYPORT)
//w "START: JAVAGTW"_.#JAVAGATEWAYPORT_"\n"
set jgw = ##class(%Net.Remote.Java.JavaGateway).%New() set sc = jgw.%Connect(
"localhost", ..#JAVAGATEWAYPORT)
$$$LOGINFO("Status after connect: "_sc)
if $$$ISERR(sc) quit w "HL7 "_ hl7,!
$$$TRACE(hl7)
#dim ret As %String = ##class(
com.santer.siss.mapping.v25.fse.teste.HL7toXML).hl7ToRP(.jgw, .hl7)
$$$LOGINFO($$CLASSNAME(ret))
if $isObject(jgw) try { do jgw.%Disconnect() } catch ignore {
$$$LOGSTATUS(ignore.AsStatus()) }
}
```

```
}
catch ex
{
w "Exception"_ex ,!
set sc = $get(%objlasterror)
if (sc = "") set sc = ex.AsStatus()
set ret = sc }
w ret,! return ret
}
```

Everything seems to work fine, indeed, when I log the output with the \$\$\$LOGINFO I get the xml message that I was expecting. The quite strange thing is that when I try to log the class type I have obtained as output of the java class, I didn't get %String or some other ObjectScript class but, instead, I get the xml message itself. It seems to be that the result doesn't have a proper class type.

The final issue arises when I try to put the result into a stream; the xml message results empty and, moreover, if I try to send just the [RPStream](#), I get this error: OID is null.

How can I cast the output as a string or better as a stream in order to deal with it normally?

Thanks in advance for your collaboration.

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