
Question

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How could we write XML from a Response Message?

Hello,

We would like to get the XML which is being given by the requested system, directly to our Service output.

We have tried to just output directly the Message Response as follows:

```
Method findCandidatesXML(mensEntrada As %XML.GlobalCharacterStream(CONTENT="MIXED"))
As Mensajes.Response.GestionPacientes.operacionResponse(XMLNAME="mensSalida") [ Final
, ProcedureBlock = 1, SoapAction = "http://SCS.Servicios/GestionPacientes/findCandida
tesXML", SoapBindingStyle = document, SoapBodyUse = literal, WebMethod ]
{
    set ^tipoMensaje="XML"
    $$$LOGINFO("El mensaje es de tipo: "_^tipoMensaje)

    #dim tSC as %Status
    if ('..IsServiceEnabled()){
        set tSC = $SYSTEM.Status.Error(60333,"Web Service Not Enabled")
        if $$$ISERR(tSC) do ..ReturnMethodStatusFault(tSC)
    }
    //----
    set p = ##class(%GlobalCharacterStream).%New()

    while (mensEntrada.AtEnd=0){
        //do p.Write(mensEntrada.Read())
        do p.Write($zcvf(mensEntrada.Read(),"O","UTF8"))
    }

    $$$LOGINFO("El mensaje en XML: "_p.Read())
    do p.Rewind()

    set msgER7 = ##class(EnsLib.HL7.Message).%New()
    set msgER7 = ##class(ITB.HL7.Util.Convert).XMLToER7(p, .tSC, "2.5")
    $$$LOGINFO(tSC)
    //Establece DocType
    if (msgER7.GetValueAt("1:9.3") '= "") {
        do msgER7.DocTypeSet("2.5_" : "_msgER7.GetValueAt("1:9.3)")
    } else {
        set tipo = msgER7.GetValueAt("1:9.1")
        set evento = msgER7.GetValueAt("1:9.2")
        do msgER7.DocTypeSet("2.5_" : "_tipo_"_"_evento")
    }
}
```

```

    }

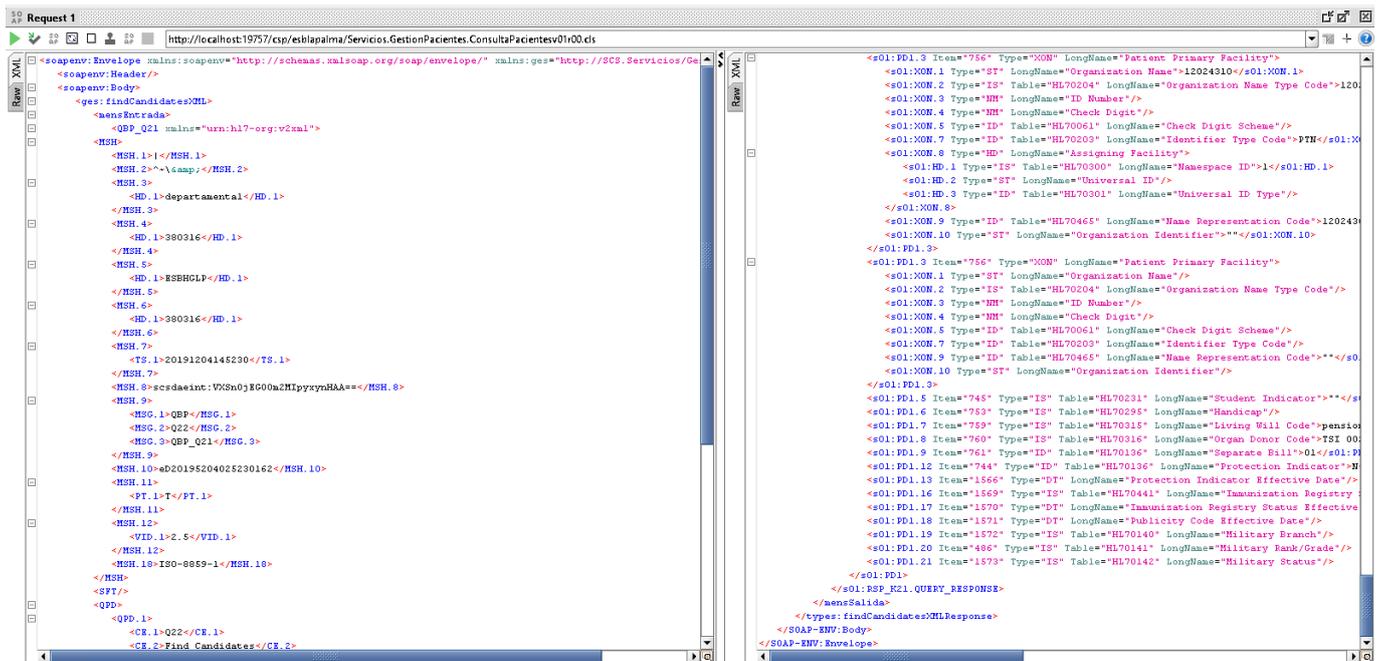
    set pResponse = ##Class(Mensajes.Response.GestionPacientes.operacionResponse).%New()

    //proceso el mensaje
    set tSC = ..SendRequestSync("EnrutadorConsultaPaciente",msgER7, .pResponse)
    //set tSC = ..SendRequestAsync("EnrutadorConsultaPaciente",p, .pResponse)

    if $$$ISERR(tSC){ $$$TRACE("Error en la llamada al destino"_$system.Status.GetErrorText(tSC))}

    Quit pResponse
}
    
```

So then we see in the SoapUI the correct output:



However this way is not correct because of when we try to get the WSDL definition, it outputs "There has been an error with the CSP application and it has been registered"



Besides we have tried to use the XML Writer. We have added in the Service:

```

$$$LOGINFO("In the service before calling Write: ")
set stream = ##class(%GlobalCharacterStream).%New()
set status = ##class(Mensajes.Response.GestionPacientes.operacionResponse).Write(.stream)
$$$LOGINFO("In the service after calling Write, status: "_status)
$$$LOGINFO("In the service after calling Write, stream "_stream)
set linea=""
while(stream.AtEnd=0){
set linea=stream.Read()
}
$$$LOGINFO("linea: "_linea)
Quit linea

```

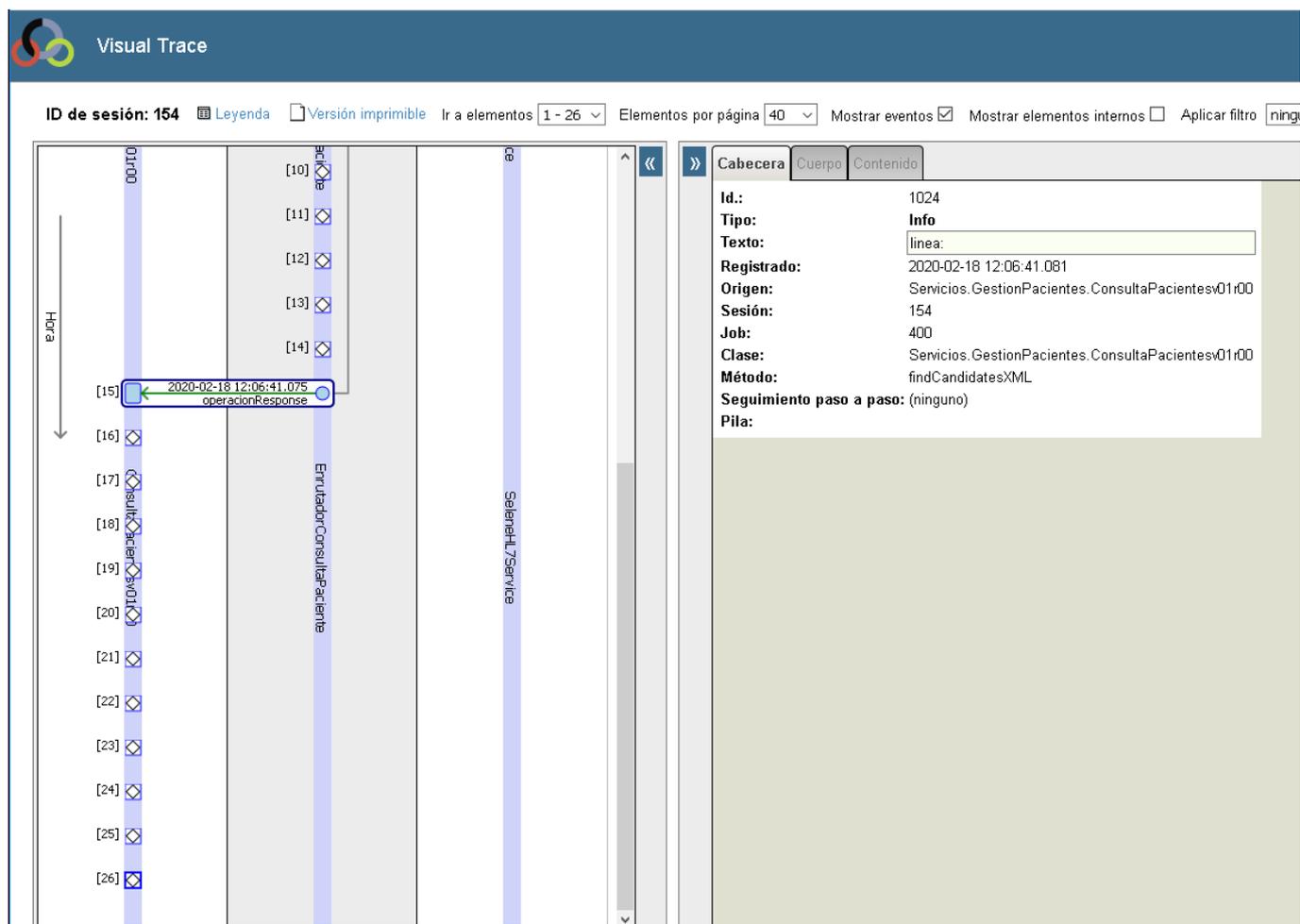
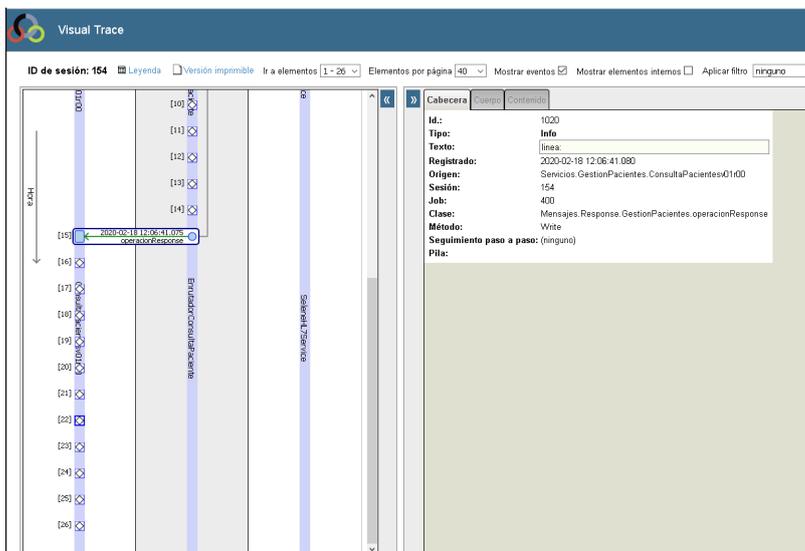
Being the Write method the following:

```

ClassMethod Write(Output stream) As %Status
{
$$$LOGINFO("Write before create Writer")
set writer=##class(%XML.Writer).%New()
set writer.Indent=1
$$$LOGINFO("Write after create Writer") $$$LOGINFO("Write before outputtostream: ")
set stream = ##class(%GlobalCharacterStream).%New()
$$$LOGINFO("Before OutputToStream, stream: "_stream)
set status=writer.OutputToStream(stream)
$$$LOGINFO("stream: "_stream)
while(stream.AtEnd=0){
set linea=stream.Read()
}
$$$LOGINFO("linea: "_linea)
do stream.Rewind() if $$$ISERR(status) {
do $System.Status.DisplayError(status)
quit $$$ERROR($$$GeneralError, "Output destination not valid")
}
$$$LOGINFO("Write after outputtostream, status: "_status)
quit status
}

```

As a result we get a stream, and when we try to read it, it shows as empty in the trace, both in the class Mensajes (Message)... and in the class Servicio (Service)



The previous result surprises us because of status being output from Write method inside Message class is 1, \$\$\$OK:

The screenshot shows the Visual Trace interface. At the top, it displays 'Visual Trace' and 'ID de sesión: 154'. Below this, there are navigation options like 'Leyenda', 'Versión imprimible', and 'Ir a elementos'. The main area is a sequence diagram with a vertical axis labeled 'Hora' and a horizontal axis for participants: '001r00', 'Emisor:Consultapaciente', and 'Selenium/Service'. A message box is highlighted at [15] with the text '2020-02-18 12:06:41.075 operacionResponse'. To the right, a details panel shows the following information:

Cabecera	Cuerpo	Contenido
Id.:	1021	
Tipo:	Info	
Texto:	Write after outputstream, status: 1	
Registrado:	2020-02-18 12:06:41.081	
Origen:	Servicios.GestionPacientes.ConsultaPacientes01r00	
Sesión:	154	
Job:	400	
Clase:	Mensajes.Response.GestionPacientes.operacionResponse	
Método:	Write	
Seguimiento paso a paso:	(ninguno)	
Pila:		

How could we write XML from a Response Message?

We have also read :

<https://docs.intersystems.com/irislatest/csp/docbook/DocBook.UI.Page.cls...>

<https://docs.intersystems.com/irislatest/csp/documatic/%25CSP.Documatic....>

<https://cedocs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cl...>

<https://cedocs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cl...>

<https://cedocs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cl...>

<https://docs.intersystems.com/irislatest/csp/docbook/DocBook.UI.Page.cls...>

[#Interoperability](#) [#ObjectScript](#) [#XML](#) [#Ensemble](#)

Source

URL:<https://community.intersystems.com/post/how-could-we-write-%E2%9C%8D%EF%B8%8F-xml-response-message>