

How could we store a list into a global variable?

Published on InterSystems Developer Community (<https://community.intersystems.com>)

Question

[Yone Moreno](#) · Feb 13, 2020

How could we store a list into a global variable?

Hello,

We would like to store a list into a global. The need is to get the full Web Service's Response Message, because of currently, our Operation sends the message to the Process, with an empty list:

```
</QRY>
<s01:RSP_K21.QUERY_RESPONSE xmlns:s01="urn:h17-org:v2xml" xsi:nil="true"></s01:RSP_K21.QUERY_RESPONSE>
</operacionResponse>
```

We have created a copyList which is a clone of the list which is being returned from the web service client:

```
set copyList = ##class(%ListOfObjects).%New()
set copyList = pResponse.RSPK21QUERYRESPONSE.%ConstructClone(1)
$$$LOGINFO("copyList: "_copyList)
$$$LOGINFO("copyList count: "_copyList.Count())
$$$LOGINFO("copyList.GetAt(1): "_copyList.GetAt(1))
$$$LOGINFO("copyList.PID8: "_copyList.GetAt(1).PID.PID8.content)
$$$LOGINFO("copyList serialize: "_copyList.Serialize())
```

We have checked that its content is being printed:

Header	Body	Contents
ID:	11618289	
Type:	Info	
Text:	copyList.PID8: M	

Now comes the challenge. We would need to store this copyList inside a global, to be able to use it inside the Process. However if we read globals' documentation it says:

" Each global node can contain a single string of up to 32K characters. "

We have tried the following to be able to store our copyList inside a global:

```
set ^globalList = copyList
```

How could we store a list into a global variable?

Published on InterSystems Developer Community (<https://community.intersystems.com>)

```
$$$LOGINFO("^globalList: "^globalList)
//$$$LOGINFO("^globalList count: "^globalList.Count())
$$$LOGINFO("^globalList.GetAt(1): "^globalList.GetAt(1))
```

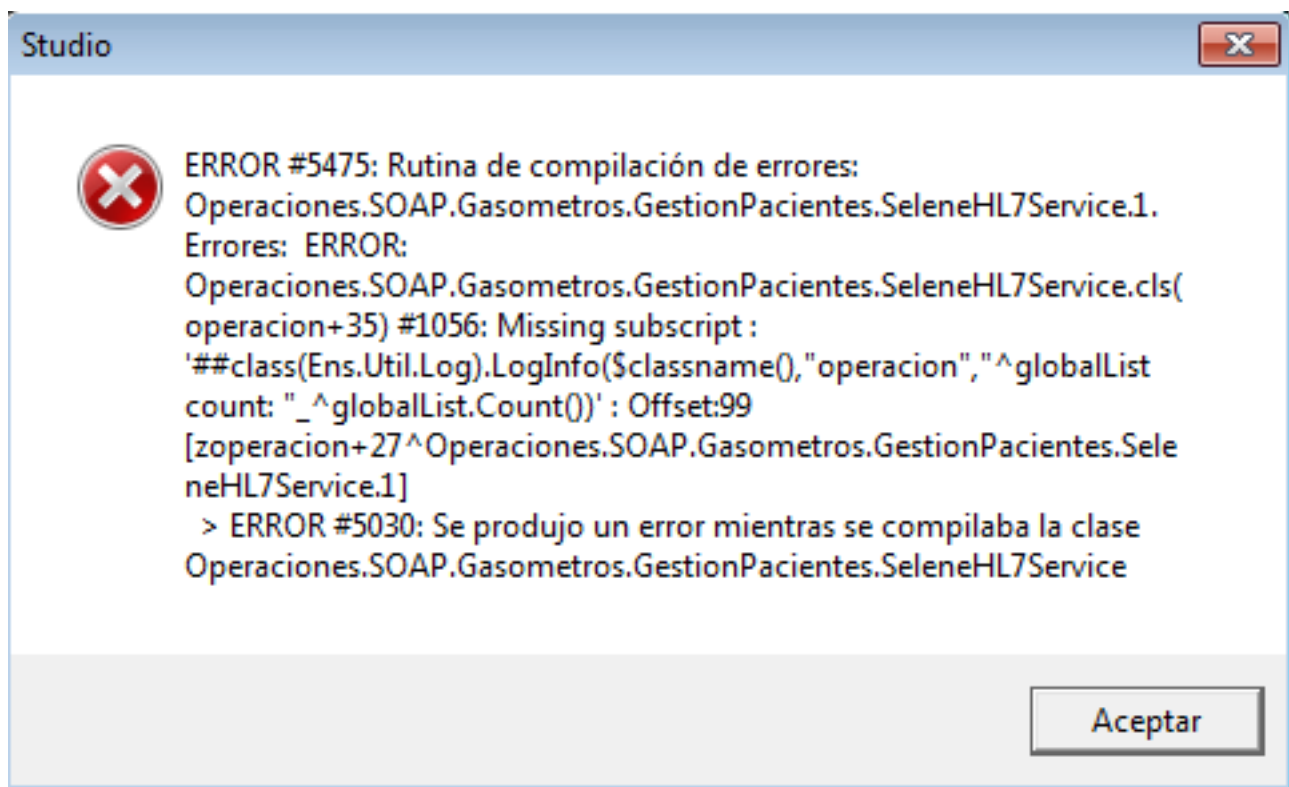
We are shocked because of it shows that ^globalList is a %Collection.ListObj

Header	Body	Contents
ID:	11618291	
Type:	Info	
Text:		^globalList: 262@%Collection.ListOfObj

However if we uncomment the line:

```
//$$$LOGINFO("^globalList count: "^globalList.Count())
```

The compiler outputs: " Missing subscript"



And if we uncomment the line:

```
$$$LOGINFO("^globalList.GetAt(1): "^globalList.GetAt(1))
```

It shows:

Error
ERROR <Ens>ErrException: <UNDEFINED>zoperacion+28^Operaciones.SOAP.Gasometros.GestionPacientes.SeleneHL7Service.1 ^globalList.GetAt(1) -- registrado como '-' número - @' Do ##class(Ens.Util.Log).LogInfo(\$classname(), "operacion", "^globalList.GetAt(1): " _ ^globalList.GetAt(1))'

How could we store a list into a global variable?

Published on InterSystems Developer Community (<https://community.intersystems.com>)

How could we store a list into a global? Is there a way to cast a list to string and be able to store it into a global?

We have read:

<https://docs.intersystems.com/irislatest/csp/docbook/Doc.View.cls?KEY=GO...>

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

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

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

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

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

<https://community.intersystems.com/post/what-best-way-serialize-objectli...>

<https://community.intersystems.com/post/globals-magic-swords-storing-dat...>

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

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

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

<https://community.intersystems.com/post/serialize-and-deserialize-object...>

<https://community.intersystems.com/post/response-filled-bussiness-operat...>

Besides we add the Operation's code:

Class

```
Operaciones.SOAP.Gasometros.GestionPacientes.SeleneHL7Service Extends Ens.BusinessOperation [ ProcedureBlock ]
{
  Method operacion(pRequest As Mensajes.Request.GestionPacientes.operacionRequest, Output pResponse As Mensajes.Response.GestionPacientes.operacionResponse) As %Library.Status
{
```

```
SET RSPK21QUERYRESPONSE = ##class(%ListOfDataTypes).%New()
Set ..Adapter.WebServiceClientClass = "WSCLIENTE.GestionPacientes.ConsultaCandidatos"
Set MSH=pRequest.MSH,SFT=pRequest.SFT,QPD=pRequest.QPD,DSC=pRequest.DSC

Set tSC =
..Adapter.InvokeMethod("operacion",,,MSH,,SFT,,MSA,,ERR,,QAK,,QPD,pRequest.RCP,,
RSPK21QUERYRESPONSE,,DSC) Quit:$$$ISERR(tSC) tSC
$$$LOGINFO("LLEGAN "_RSPK21QUERYRESPONSE.Count())
```

How could we store a list into a global variable?

Published on InterSystems Developer Community (<https://community.intersystems.com>)

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

Set tSC = pRequest.NewResponse(.pResponse) Quit:$$$ISERR(tSC) tSC

Set pResponse.MSH = $get(MSH)
Set pResponse.SFT = $get(SFT)
Set pResponse.MSA = $get(MSA)
Set pResponse.ERR = $get(ERR)
Set pResponse.QAK = $get(QAK)
Set pResponse.QPD = $get(QPD)
Set pResponse.DSC = $get(DSC)
Set pResponse.RSPK21QUERYRESPONSE = $get(RSPK21QUERYRESPONSE)
$$$LOGINFO("LLEGAN " _pResponse.RSPK21QUERYRESPONSE.Count())
$$$LOGINFO("RSPK21QUERYRESPONSE.PID8:
" _pResponse.RSPK21QUERYRESPONSE.GetAt(1).PID.PID8.content)

set copyList = ##class(%ListOfObjects).%New()
set copyList = pResponse.RSPK21QUERYRESPONSE.%ConstructClone(1)
$$$LOGINFO("copyList: " _copyList)
$$$LOGINFO("copyList count: " _copyList.Count())
$$$LOGINFO("copyList.GetAt(1): " _copyList.GetAt(1))
$$$LOGINFO("copyList.PID8: " _copyList.GetAt(1).PID.PID8.content)
$$$LOGINFO("copyList serialize: " _copyList.Serialize())

set ^globalList = copyList
$$$LOGINFO("^globalList: " ^globalList)
//$$$LOGINFO("^globalList count: " ^globalList.Count())
//$$$LOGINFO("^globalList.GetAt(1): " ^globalList.GetAt(1))

Quit $$$OK
}
```

```
Parameter ADAPTER = "EnsLib.SOAP.OutboundAdapter"; XData MessageMap
{
<MapItems>
<MapItem MessageType="Mensajes.Request.GestionPacientes.operacionRequest">
<Method>operacion</Method>
</MapItem>
</MapItems>
}}
```

[#Globals](#) [#ObjectScript](#) [#Caché](#)

Source URL: <https://community.intersystems.com/post/how-could-we-store-list-global-variable>