Question
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SOAP Service: Managing ER7 returns HTTP 500

Good morning,

We would appreciate if you could read us and if you have the opportunity, please respond to us.

The current situation is as follows:

We have 2 environments PREproduction and INTegration :

Ensemble version in **PREproduction**:

Cache for UNIX (Red Hat Enterprise Linux for x86-64) 2018.1.6 (Build 717U) Thu Feb 24 2022 13:27:54 EST

Version of the tool to convert XML to ER7 and vice versa, the **ITB**, in PRE (we get it in the ITB.info.cls file):

Parameter VERSION = 2.1;

Ensemble version on **INTegration**:

IRIS for UNIX (Red Hat Enterprise Linux for x86-64) 2020.1.1 (Build 408U) Sun Mar 21 2021 22:21:14 EDT

Version of the tool to convert XML to ER7 and vice versa, the **ITB**, in INTegration (we get it in the ITB.info.cls file):

Parameter VERSION = 3.4;

Our need is the following:

Why in PREproduction do we get an **http 500** when invoking a SOAP service that makes use of the ITB to convert from XML to ER7?

We observe part of the SOAP service's code:

```
Class Servicios.SOAP.DragoAPtoVNAv01r00 Extends
 (EnsLib.SOAP.Service, ITB.HL7.BS.XMLService) [ ProcedureBlock ]
{
...
set ackXML = ##class(ITB.HL7.Util.Convert).ER7ToXML(ackER7,.tSC,"2.5")
...
}
```

response time: 38ms (625 bytes)

```
Fri Jun 03 07:54:35 BST 2022:DEBUG:Connection can be kept alive indefinitely
Fri Jun 03 07:54:35 BST 2022:INFO:Got response for [DragoAPtoVNAv01r00Soap.ResultadosER7:25/04/2022 Mensaje Completo] in 63ms (625 bytes)
Fri Jun 03 07:54:40 BST 2022:DEBUG:Stale connection check
Fri Jun 03 07:54:40 BST 2022:DEBUG:Attempt 1 to execute request
Fri Jun 03 07:54:40 BST 2022:DEBUG:Sending request: POST /csp/healthshare/esbsscc/Servicios.SOAP.DragoAPtoVNAv01r00.cls HTTP/1.1
Fri Jun 03 07:54:40 BST 2022:DEBUG:Receiving response: HTTP/1.1 500 Internal Server Error
Fri Jun 03 07:54:40 BST 2022:DEBUG:Connection can be kept alive indefinitely
Fri Jun 03 07:54:40 BST 2022:INFO:Got response for [DragoAPtoVNAv01r00Soap.ResultadosER7:25/04/2022 Mensaje Completo] in 38ms (625 bytes)
Fri Jun 03 07:55:13 BST 2022:DEBUG:Connection closed
```

However, when invoking the same service (with the same code) in the INTegration environment, we observe that it returns an **http 200** ok:

response time: 80ms (625 bytes)

```
Fri Jun 03 07:54:40 BST 2022:DEBUG:Receiving response: HTTP/1.1 500 Internal Server Error
Fri Jun 03 07:54:40 BST 2022:DEBUG:Connection can be kept alive indefinitely
Fri Jun 03 07:54:40 BST 2022:INFO:Got response for [DragoAPtoVNAv01r00Soap.ResultadosER7:25/04/2022 Mensaje Completo] in 38ms (625 bytes)
Fri Jun 03 07:55:13 BST 2022:DEBUG:Connection closed
Fri Jun 03 08:37:54 BST 2022:DEBUG:Attempt 1 to execute request
Fri Jun 03 08:37:54 BST 2022:DEBUG:Sending request: POST /csp/healthshare/esbsscc/Servicios.SOAP.DragoAPtoVNAv01r00.cls HTTP/1.1
Fri Jun 03 08:37:54 BST 2022:DEBUG:Receiving response: HTTP/1.1 200 OK
Fri Jun 03 08:37:54 BST 2022:DEBUG:Connection can be kept alive indefinitely
Fri Jun 03 08:37:54 BST 2022:INFO:Got response for [DragoAPtoVNAv01r00Soap.ResultadosER7:25/04/2022 Mensaje Completo] in 80ms (625 bytes)
```

SoapUI log | http log | jetty log | error log | wsrm log | memory log

Could you please tell us, explain, or point us to relevant documentation on why in PRE production, with Ensemble 2018 and ITB 2.1 it generates http 500 (which would be wrong); and yet in INTegration in Ensemble 2020 and ITB 3.4 it responds with http 200 ok (which is correct)?

Thank you very much in advance , your time, assistance and support on this issue is appreciated.

Best regards

#SOAP #Caché #Ensemble