Question

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Reading large stream from %CSP.Request

We have created a number of REST adapters that extend %CSP.REST and these have been working fine. However, we are now facing a problem with a new one where very large XML documents are being posted. This is the pattern we are following:

Set inMsg = %request.Content.Read()

Set tSC = ##class(Ens.Director).CreateBusinessService("EproItkHttp" ,.tBusinessService)

Set tSC = tBusinessService.ProcessInput(inMsg, .tBusinessServiceOutput)

However, when the *%request* is particularly long, it is being truncated, and working with %XML.Reader then fails in the business service class.

I believe the call to *Read()* is the problem. If I call it with some arbitrarily long value - such as *Read(500000)* - then it works.

What is the correct approach here? Is there any harm in putting in a massive number into the *len* parameter of the *Read()* method? Or is there a way of looping through the stream and constructing the object to pass to the business service?

Any advice much appreciated.

#CSP #ObjectScript #REST API #InterSystems IRIS #InterSystems IRIS for Health

Product version: IRIS 2022.1

$ZV: IRIS for Windows (x86-64) 2022.1 (Build 209U) Tue May 31 2022 12:16:40 EDT [HealthConnect:3.5.0] [HealthConnect:3.5.0]