

Question

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Size Limitation for %ToJSON() with large stream

Hello everyone 😊

Here is a try of sending a stream object with %ToJSON() by HTTP POST request on a remote server.

First the JSON structure:

```
{
  "document": {
    "id": "{43495441-4445-4C4C-4500-0500129C762E}",
    "patientid": "5003171TC01",
    "language": "fr",
    "doctype": "CONS",
    "doctime": "2019-06-12 11:02:00",
    (...)
    "Sections": [
      {
        "sectionId": "main",
        "Content": " eyJkb2N1bWVudCI6eyJpZCI6Ins0MzQ5NTQ0MS00NDQ1LTRDNEMtNDUwMC0wNTAwMTI5Qzc2MkV9IjoghliwicGF0aWVudF9pZCI6IjUwMDMxNzFUQzAxliwibGFuZ3VhZ2UiOiJmciIsImRvY190eXBlljoiIjoghQ09OU(..)"
      }
    ]
  }
}
```

Actually the Content property must contain what is inside a base64 stream (e.g. from a PDF file, see code below). No problem for regular small files. But for large ones (up to 60 MB) this property is truncated to a maximum size of 32 kB.

What could we do for removing this size limitation for large streams ?

Here are some lines from the used code:

```
set httpRequest = ##class(%Net.HttpRequest).%New()
set httpRequest.Server = .....
set httpRequest.Port = ....
set httpRequest.Https = 0
set objDoc = {}
set objInObjDoc = {}
set arr = []
set objInArrMain = {}
set objInArrMain."sectionId" = "main"
do fileStreamBase64.Rewind()
set objInArrMain."Content" = fileStreamBase64.Read()
do arr.%Push(objInArrMain)

set objInObjDoc."id" = request.id
```

```
set objInObjDoc."patientid" = request.patNdos
set objInObjDoc."language" = "fr"
(...)

set objInObjDoc."Sections" = arr

set objDoc."document" = objInObjDoc

set httpRequest.ContentType="application/json"
do httpRequest.EntityBody.Write(objDoc.%ToJSON())
set sc=httpRequest.Post("/index/push", 0)
```

- Building fileStreamBase64:

```
set fileStream = ##class(%Stream.FileCharacter).%New()
set fileStreamBase64 = ##class(%Stream.FileCharacter).%New()
set file=##class(%File).%New(completedFilename)
Do file.Open("RU")
Set sc=fileStream.CopyFrom(file)
Do file.Close()
Do ##class(HS.Util.StreamUtils).Base64Encode(fileStream,.fileStreamBase64)
```

Best regards,
Mathieu

[#JSON](#) [#Caché](#)

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