

Question

[John Flippance](#) · Jun 2, 2017

Decoding Base64 PDF File

Hello, I am writing some cache code that will pick up a PDF file, Base64 encode the contents and then send on to a third party system within a Long String (via their API). I have been testing this and discovered that the PDFs do not open within the supplier system (I get an error saying that it hasn't been decoded correctly). I wanted to prove that the issue does not lie with the way that I have Base64 encoded it within Ensemble, and therefore as a test wanted to Encode the PDF stream, then decode the stream and write out to a new file. Unfortunately after my code has created the file locally, when I go to open the file in Adobe, I get the same error message. Therefore I am trying to work out if I have not Encoded it properly, or have not Decoded it properly (or both!). Below is a code snippet of how I am performing this test within a BPL code block; `//context.streamPDF` is a `%Stream.GlobalBinary` containing the PDF stream. `//context.streamPDFbase64` is a `%Stream.GlobalBinary` set

```
stream2=##class(%Stream.GlobalBinary).%New() do context.streamPDF.Rewind() while
'context.streamPDF.AtEnd { set buffer = context.streamPDF.Read(4000) do
context.streamPDFbase64.Write($System.Encryption.Base64Encode(buffer)) } do
context.streamPDFbase64.Rewind() while 'context.streamPDFbase64.AtEnd { set
temp=context.streamPDFbase64.Read(4000) set temp=$system.Encryption.Base64Decode(temp) do
stream2.Write(temp) } //Output decoded to pdf file do stream2.Rewind() Set
file=##class(%File).%New("C:/ANewPDF.pdf") Do file.Open("WSN") // The W means Write, S means put the file in
stream mode, and N means create if not there already Set sc=file.CopyFrom(stream2) Do file.%Save() Do
file.Flush() Do file.Close() -Any help greatly appreciated!
```

[#Caché](#) [#Business Process \(BPL\)](#) [#Ensemble](#)

Source URL: <https://community.intersystems.com/post/decoding-base64-pdf-file>