

Question

[Ben Webb](#) · Nov 29, 2021

Invalid Oref when trying to extract Base64 Encoded PDF from HL7 Field

Hi all,

I'm using a snippet I found from Scott Roth to extract, decode, and save a PDF from a HL7 message and save it to a specified file path, but I'm running issues with the following error:

[illegible]

Output Message

```
Base64 Length: 31463
ERROR <Ens>ErrException: <INVALID OREF>zDecodeBase64HL7+6^ELHTPRODPKG.Functions.Utility.ExtractPDF.1 -- logged as '1'
number - '@' Do base64.Rewind()'
```

My approach was to create a utility function accessible from a DTL like this:

```

Class ELHTPPRODPKG.Functions.Utility.ExtractPDF Extends Ens.Rule.FunctionSet
{
    ClassMethod DecodeBase64HL7(base64 As %Stream.GlobalBinary, Path As %String, Fil
eName As %String) As %String [ Final ]
    {
        //Debug
        WRITE $LENGTH(base64)
        // Decode
        set Oref = ##class(%FileBinaryStream).%New()
        set Oref.Filename = Path_FileName

        Do base64.Rewind()

        While 'base64.AtEnd
        {
            set ln=base64.ReadLine()
            set lnDecoded=$system.Encryption.Base64Decode(ln)
            do Oref.Write(lnDecoded)
        }

        Do Oref.%Save()
        return Oref.Filename
    }
}

```

But I think something must be wrong with my code, I am invoking the custom utility function in the DTL with a code action like this:

The screenshot shows the InterSystems Ensemble Transform Designer interface. On the left, the 'Source' is 'EnsLib.HL7.Message' (2.3A:ORU_R01) and the 'Target' is 'EnsLib.HL7.Message' (2.3A:ORU_R01). The mapping shows fields like MSH, PIDgrpgrp(), and DSC being mapped. Below the mapping, there is a table of actions:

| # | Action | Condition | Property | Value | Key / Transform |
|---|--------|-----------|---------------------|--|-----------------|
| 1 | set | | varOutputFolder | "F:\TestDirectories\TestMessageArchive\PDF\Out" | --- |
| 2 | set | | varOriginalFilename | source.(MSH.MessageControlID) | --- |
| 3 | set | | varFilename | source.(PIDgrpgrp(1).PIDgrp.PID.PatientID.InternalID(1).ID)_"_". | --- |
| 4 | set | | varBase64 | source.(PIDgrpgrp(1).ORCgrp(1).OBXgrp(1).OBX.5(1).5) | --- |
| 5 | code | | | Do ##class(ELHTPRODPKG.Functions.UMMyExtractPDF).DecodeB... | |
| 6 | code | | | write "FileName":_varFilename write Schar(13)_Schar(10) wr... | |

On the right, the 'Details for the selected action' pane shows the code for the selected action:

```
code
Execute lines of custom code.
View documentation
Code
Do
##class(ELHTPRODPKG.Functions.Utility.ExtractPDF).DecodeBase64HL7(varBase64,varOutputFolder,varFilename)
```

I am very new to writing ObjectScript so I apologise if this is a very basic error, I've spent ages trying to resolve the issue myself but I'm stumped,
Please could someone point me in the right direction and explain why what I've done doesn't work and what I would need to do to fix it,

Thanks in advance,
Ben

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Source

URL: <https://community.intersystems.com/post/invalid-oref-when-trying-extract-base64-encoded-pdf-hl7-field>