

Question

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Weird file encoding issue with %CSP.BinaryStream / CSP file upload

Consider the simplest possible CSP file upload/download page - you upload a file, it's saved in the database, and the file is immediately re-download via %CSP.StreamServer:

```
Class DC.Demo.CSPUpload.Page Extends (%Persistent, %CSP.Page)
{

Property stream As %CSP.BinaryStream [ Required ];

ClassMethod OnPage() As %Status
{
    &html<<form method="post" enctype="multipart/form-data">
        <input type="file" name="file" />
        <input type="submit" />
    </form>>
    quit $$$OK
}

ClassMethod OnPreHTTP() As %Boolean [ ServerOnly = 1 ]
{
    #dim %request As %CSP.Request
    #dim %response As %CSP.Response
    if %request.Method = "POST" && %request.GetMimeData("file") {
        set inst = ..%New()
        set inst.stream = %request.GetMimeData("file")
        $$$ThrowOnError(inst.%Save())
        do inst.stream.SetAttribute("ContentDisposition",
"attachment; filename=""_inst.stream.GetAttribute("FileName")_""")
        set %response.Redirect =
"%25CSP.StreamServer.cls?STREAMOID="_.Encrypt(inst.stream.GetStreamId())
    }
    quit 1
}

Storage Default
{
<Data name="PageDefaultData">
<Value name="1">
<Value>%%CLASSNAME</Value>
</Value>
<Value name="2">
<Value>stream</Value>
</Value>
</Data>
<DataLocation>^DC.Demo.CSPUpload.PageD</DataLocation>
<DefaultData>PageDefaultData</DefaultData>
<IdLocation>^DC.Demo.CSPUpload.PageD</IdLocation>
<IndexLocation>^DC.Demo.CSPUpload.PageI</IndexLocation>
<StreamLocation>^DC.Demo.CSPUpload.PageS</StreamLocation>
```

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```
<Type>%Storage.Persistent</Type>
}  
  
}
```

This works fine for most file types, but for HTML files (at least - maybe other types too), it doesn't work - both on IRIS 2021.2 and on an earlier version I'm running too. The resulting downloaded file has a BOM at the beginning and a NUL every other character.

Has anybody else fought with this before?

[#CSP #InterSystems IRIS](#)

Product version: IRIS 2021.2

\$ZV: IRIS for Windows (x86-64) 2021.2 (Build 651U) Mon Jan 31 2022 17:39:04 EST

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