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Former Member

January 22, 2016 | 1 minute read

How to show file name when calling GET_STREAM

💬 11 👍 10 👁 20,659

This document is about how to enhancement our OData service – Download File.

Currently base on training material, we usually redefine GET_STREAM method and pass mime type and stream value to the result.

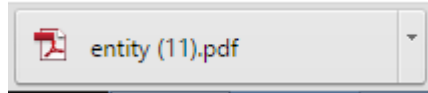
```
ls_stream-mime_type = output-return-MIME_TYPE .  
ls_stream-value = output-return-DOCUMENT_STREAM .  
copy_data_to_ref( EXPORTING is_data = ls_stream  
CHANGING cr_data = er_stream ).
```

This works, however the problem is if you trigger the service in Chrome. You can only get a document with named 'entity'.

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Problem

- What if customer has already stored file name in ECM or in Database? They want to see the real name.
- What if customer don't want to direct download, they may want to review the file before download.

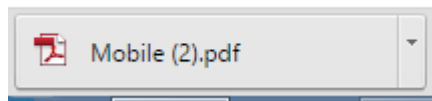
Solution

Solution to this is to set a header to http framework. I attached code below.

```
DATA ls_lheader TYPE ihttpnvp.
"DATA lv_filename TYPE string.
"lv_filename = escape( val = lv_filename format = cl_abap_format=>e_url ).
ls_lheader-name = 'Content-Disposition'.
ls_lheader-value = 'outline; filename="Mobile.pdf";'.
set_header( is_header = ls_lheader ).
```

```
ls_stream-mime_type = output-return-MIME_TYPE .
ls_stream-value = output-return-DOCUMENT_STREAM .
copy_data_to_ref( EXPORTING is_data = ls_stream
CHANGING cr_data = er_stream ).
```

Let's test the result now:



If customer want to preview the document instead of directly download, please change code as below.

```
ls_lheader-value = 'inline; filename="Mobile.pdf";'.
```

Let's test the result:

A new page was opened for preview, you can right click and choose to save. File name 'Mobile.pdf' comes up.

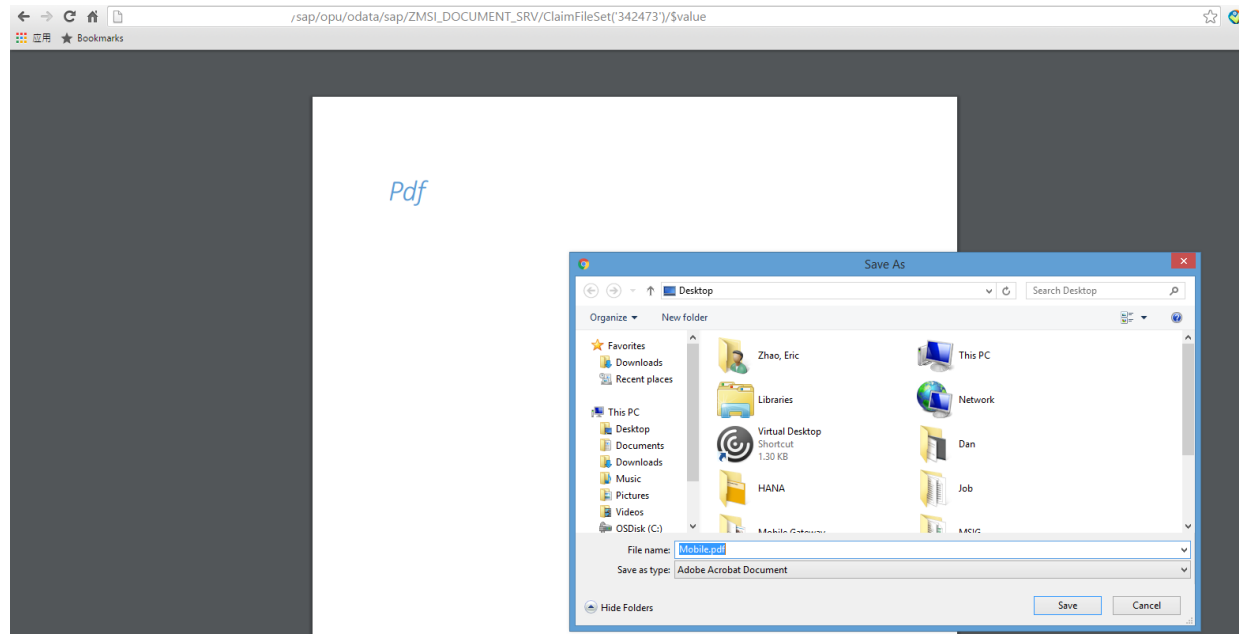
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Giridharan Somaskandan

January 28, 2016 at 7:35 am

Thanks to share this useful bit of info

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Burak Oral

February 15, 2016 at 3:04 pm

Thanks for document.

It does not work in ie 10 browser.

Does anyone have any suggestions?

I use below code in sapui5.

```
window.open("/sap/opu/odata/sap/MYSERVICE_SRV/DownloadFileSet('"+ guid + ")/$value");
```

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Former Member

June 15, 2016 at 1:38 pm

Good afternoon Eric Zhao,

I just want to say THANK YOU for this SOLUTION which I used right now. Through this I was also able to learn new things. THANKS and have a GREAT DAY 😊😊😊

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Mauricio Pinheiro Predolim

January 2, 2017 at 12:39 pm

Hi Eric. Outstanding post!

I need to download when the user clicks on download button. What do i need to do using your solution pls?

In local service it works, but in UI5 dont...

Best Regards.

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tisha dharod

November 10, 2017 at 8:09 am

Hi Eric. Outstanding post!

I have written same code as stated above but still file gets downloaded with name \$ value . Does above code support only some browser version or fiori version .

```
assign attachment details
READ TABLE <fs_doc>-t_attach ASSIGNING <fs_attach> WITH KEY guid = lv_attachguid .
IF sy-subrc = 0 .
  DATA ls_lheader TYPE ihttpnvp.
  ls_lheader-name = 'Content-Disposition'.
  ls_lheader-value = 'inline; filename="'.
  <fs_attach>-phio_fname = escape( val = <fs_attach>-phio_fname
                                format = cl_abap_format=>e_url ).
  CONCATENATE ls_lheader-value <fs_attach>-phio_fname INTO ls_lheader-value.
  CONCATENATE ls_lheader-value '"' INTO ls_lheader-value.
  set_header( is_header = ls_lheader ).
  ls_stream-mime_type = <fs_attach>-phio_mime .
  lv_size = <fs_attach>-phio_fsize .
  CALL FUNCTION 'SCMS_BINARY_TO_XSTRING'
```

Thanks in advance for your support .

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Former Member

January 24, 2018 at 11:28 am

Hi,

I have a Master-Detail app. The pdf file opens successfully in the browser as planned.

But the file is still titled `$value.pdf`, and switching `outline/inline` has no effect.

```
ls_stream-value = pdf_stream.  
ls_stream-mime_type = 'application/pdf'.  
ls_header-name = 'Content-Disposition'.  
ls_header-value = 'inline; filename="Report.pdf";'.  
  
set_header( is_header = ls_header ).  
copy_data_to_ref( EXPORTING is_data = ls_stream  
                  CHANGING cr_data = er_stream ).
```

Best Regards.

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umit duran

September 24, 2019 at 7:28 am

the solution's link is <https://blogs.sap.com/2018/01/31/sap-fiori-tricks-get-rid-of-value-in-pdf-displaydownloads/>

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ahmet deveci

August 19, 2020 at 2:32 pm

```
ls_header-value = |attachment; filename="test.pdf"|.
```


You have to change inline to attachment to enable direct download request from your browser.

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Peng Zhou

March 1, 2018 at 3:28 pm

Thanks very much, @Eric Zhao your answer solve my problem wich confused me much long time. Thanks again!

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Wouter Lemaire

March 6, 2018 at 12:24 pm

Just noticed that if you want to download the file, you should choose "attachment" instead of "outline", more information here: <https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Content-Disposition>

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Dunja Nagel

February 1, 2021 at 8:10 am

Just wanted to thank you! The line

```
| lv_filename = escape( val = lv_filename format = cl_abap_format=>e_url ).
```

fixed my wrong displayed filenames with german 'ä,ö,ü, ..'

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