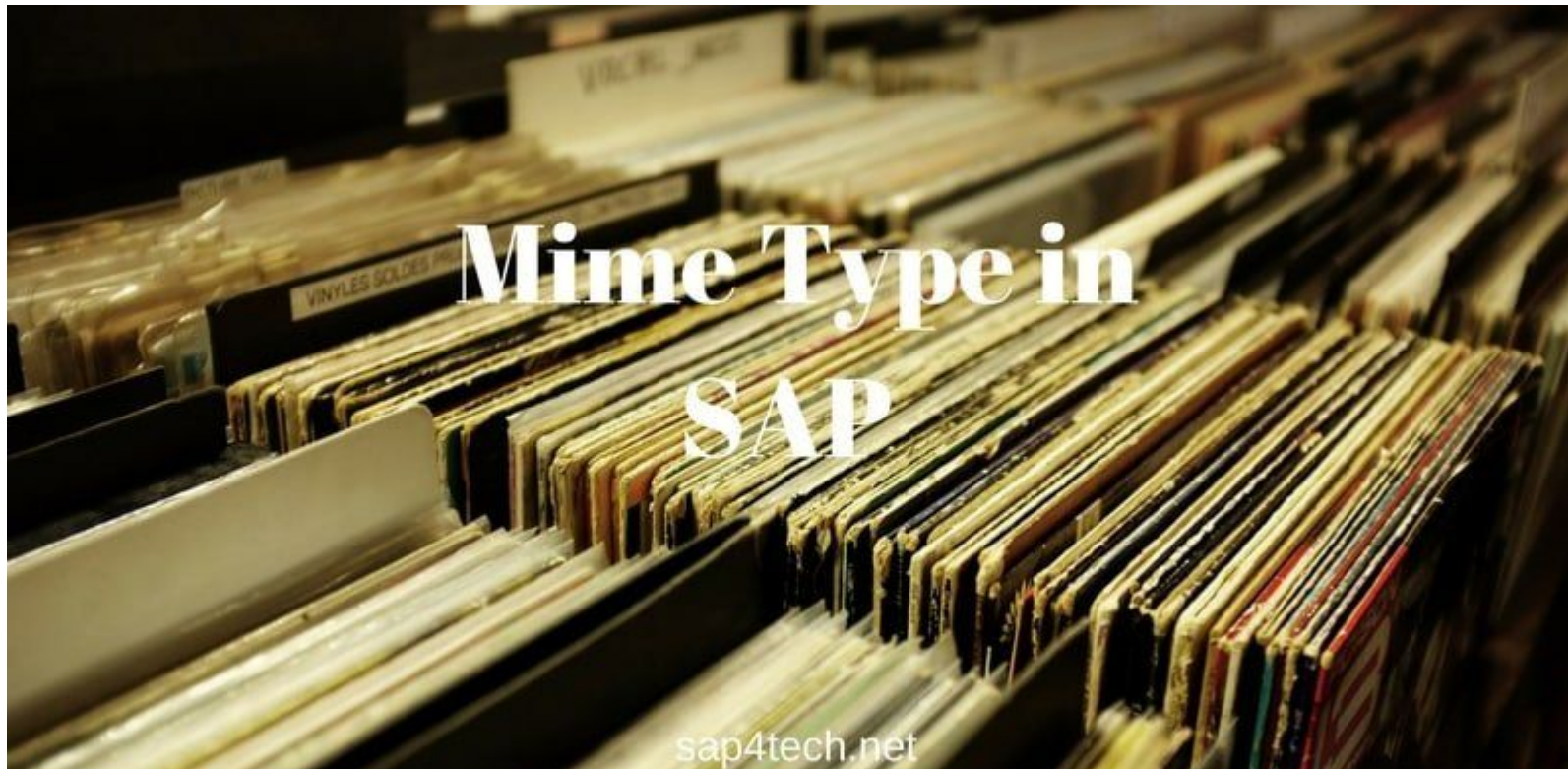


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How to retrieve Mime Type of File in ABAP ? (SAP Mime Types Tables)

December 12, 2017 by Siva

This article will guide through how to retrieve Mime Type of any file using ABAP Program.

First, let's deal with some definition (what's mime type ?). Then we will list the most important tables in SAP for MimeTypes.

The last part will cover how to retrieve, for a particular file, the mime type using standard SAP functions.

Table of Contents 

What's MimeType ?

A media type (also MIME type and content type) is a two-part identifier for file formats and format contents transmitted on the Internet.

Media type consists of top-level type name and sub-type name, which is further structured into so-called "trees". Media types can optionally define companion data, known as parameters.(1)

top-level type name / subtype name [; parameters]

top-level type name / [tree.] subtype name [+suffix] [; parameters]

Read also [Sample ABAP Program for Application server File](#)

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Table	Description
MIMETYPES	Table of MIME types
SDOKMIME	MIME content type for file name enhancement
SDOKMIME_C	MIME content type for file name enhancement (customer table)
SDOKMIMS	MIME Content Type Replacement for Display/Editing
SDOKMIMS_C	MIME Content Type Replacement (Customer Table)

SAP Mime Type Table MIMETYPES

The table in SAP for Mime Type is MIMETYPES.

MIMETYPES: Table of MIME types.

It has 2 fields:

- TYPE: HTML Content Type
- EXTENSION: file name Extension

SDOKMIME SAP Mime Type Table

In the above table (MIMETYPES) is empty in your SAP System. Check the SAP Table SDOKMIME.

It has the same fields.

List of MimeType in SAP

All the mime Type description can be found in SAP Table SDOKEFFXTT (Text Table for SDOKEFFXT)

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SAP Mime Type Description Table SDOKFEXTT

Extension	SAP Mime Type
ai	application/postscript
aif	audio/x-aiff
aifc	audio/x-aiff
aiff	audio/x-aiff
asc	text/plain
asf	video/x-ms-asf
asp	text/asp
asx	video/x-ms-asf
au	audio/basic
avi	video/avi
bmp	image/bmp
bsp	text/html
btf	image/prs.btif
btif	image/prs.btif
c	text/plain
cc	text/plain

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Extension	SAP Mime Type
dcr	application/x-director
der	application/x-x509-ca-cert
doc	application/msword
docm	application/vnd.ms-word.document.macroenabled.12
docx	application/vnd.openxmlformats-officedocument.wordprocessingml.document
dot	application/msword
dotm	application/vnd.ms-word.template.macroenabled.12
dotx	application/vnd.openxmlformats-officedocument.wordprocessingml.template
dtd	text/xml
dvi	application/x-dvi
eps	application/postscript
fpx	image/vnd.fpx
gif	image/gif
gz	application/x-gzip
h	text/plain
hh	text/plain
hlp	application/winhelp
htm	text/html

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Extension	SAP Mime Type
ico	image/ico
ics	text/calendar
ief	image/ief
iges	model/iges
igs	model/iges
ini	text/plain
jar	application/java-archive
jpe	image/jpeg
jpeg	image/jpeg
jpg	image/jpeg
js	application/x-javascript
jsp	text/html
latex	application/x-latex
mesh	model/mesh
mid	audio/mid
midi	audio/mid
mif	application/mif
mov	video/quicktime

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Extension	SAP Mime Type
mpeg	video/mpeg
mpf	text/vnd.ms-mediapackage
mpg	video/mpeg
mpp	application/vnd.ms-project
mpx	application/vnd.ms-project
msh	model/mesh
oda	application/oda
p7m	application/pkcs7-mime
p7s	application/pkcs7-signature
pdf	application/pdf
pl	application/x-perl
png	image/png
potm	application/vnd.ms-powerpoint.template.macroenabled.12
potx	application/vnd.openxmlformats-officedocument.presentationml.template
ppa	application/vnd.ms-powerpoint
ppam	application/vnd.ms-powerpoint.addin.macroenabled.12
pps	application/vnd.ms-powerpoint
ppsm	application/vnd.ms-powerpoint.slideshow.macroenabled.12

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Extension	SAP Mime Type
pptm	application/vnd.ms-powerpoint.presentation.macroenabled.12
pptx	application/vnd.openxmlformats-officedocument.presentationml.presentation
ppz	application/vnd.ms-powerpoint
ps	application/postscript
qt	video/quicktime
ra	audio/x-pn-realaudio
ram	audio/x-pn-realaudio
rgb	image/x-rgb
rm	audio/x-pn-realaudio
rtf	application/rtf
rtx	text/richtext
sap	application/x-sapshortcut
scm	application/x-screencam
silo	model/mesh
sim	application/vnd.sap_kw.itutor
sit	application/x-stuffit
sl	text/vnd.wap.sl
snd	audio/basic

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Extension	SAP Mime Type
swa	application/x-director
swf	application/x-shockwave-flash
tar	application/x-tar
tex	application/x-tex
tht	text/thtml
thtm	text/thtml
thtml	text/thtml
tif	image/tiff
tiff	image/tiff
tsf	application/vnd.ms-excel
txt	text/plain
vcf	text/x-vcard
vcs	text/x-vcalendar
vdo	video/vdo
viv	video/vnd.vivo
vrml	model/vrml
vsd	application/vnd.visio
wav	audio/wav

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Extension	SAP Mime Type
wml	text/vnd.wap.wml
wmls	text/vnd.wap.wmlscript
wp5	application/wordperfect5.1
wrl	model/vrml
xap	application/x-silverlight-app
xbm	image/x-xbitmap
xif	image/vnd.xiff
xlam	application/vnd.ms-excel.addin.macroenabled.12
xls	application/vnd.ms-excel
xlsb	application/vnd.ms-excel.sheet.binary.macroenabled.12
xlsm	application/vnd.ms-excel.sheet.macroenabled.12
xlsx	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
xltm	application/vnd.ms-excel.template.macroenabled.12
xltx	application/vnd.openxmlformats-officedocument.spreadsheetml.template
xml	text/xml
xsd	text/xml
xsl	text/xml
zip	application/zip

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How to retrieve Mimetype of a file in ABAP ?

In standard, SAP offers different function module to retrieve the Mime Type of a file in ABAP. Let's list the most used ones:

SKWF_MIMETYPE_OF_FILE_GET

The first function module is SKWF_MIMETYPE_OF_FILE_GET. It takes the filename in input and generates the Mime Type as output.

Here the signature of SKWF_MIMETYPE_OF_FILE_GET.

```
1 function skwf_mimetype_of_file_get.  
2 *"-----  
3 *" "Lokale Schnittstelle:  
4 *"   IMPORTING  
5 *"       VALUE(FILENAME) TYPE  SKWF_FILNM  
6 *"       VALUE(X_USE_LOCAL_REGISTRY) TYPE  SKWF_FLAG OPTIONAL  
7 *"   EXPORTING  
8 *"       VALUE(MIMETYPE) TYPE  SKWF_MIME  
9 *"-----
```

Others SAP function for MimeType

Here we list other interesting functions in SAP for MimeType:

- SDOK_MIMETYPE_GET_DESCRIPTION: Get MimeType Description
- LXE_PC_READ_MIMETYPES:Definierte MIME-Types lesen
- LXE_TS_API_GET_TS_MIMETYPES:Get a list of supported MIME types
- SA_KW_RFC_MIMETYPE_GET
- SMD_RFC_MIMETYPE_GET:ad mimetype from file extension

Next function module to retrieve the Mime Type of a file in ABAP is SDOK_MIMETYPE_GET.

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