

# picon

## oscam-picons-converter.py

[oscam-picons-converter.py](#)

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###      Oscam Picons Converter      ###
###      .PNG to .TPL                ###
###      by s3n0 , 2019-2023         ###
###      https://github.com/s3n0     ###
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python ./oscam-picons-converter.py <COMMANDS>
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=== ABOUT:

    Python script developed to convert PNG-picons (taken from Enigma2-SKIN)
    to TPL-picons (Oscam-Webif image files, i.e. 'Base64/template' file
    format).

    The algorithm processes all found PNG-picons belonging to Enigma2-SKIN.
    This means that all necessary .PNG files must exist in the SKIN picon
    directory.

    The TPL-picon file name consists of 'IC_<CAID>_<SID>.tpl' so therefore
    it is necessary to create a table of all CAID:SID as the first.

    I also recommend using the CAID filter, i.e. argument '-c CAIDs' in the
    case of argument '-a',
    to avoid very many TPL-picons belonging to all existing CAIDs in the
    Enigma2.

=== COMMANDS:

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Method of creating table SID:CAIDs (choose it carefully):
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-1
    make a table from all available SID:CAIDs in the 'oscam.srvid' file
    '-c CAIDs' argument is not necessary, but it may be used (as a
    filter)
    may be used in combination with '-2'
```

-2

make a table from all available SID:CAIDs in the 'oscam.srvid2' file  
'-c CAIDs' argument is not necessary, but it may be used (as a filter)

may be used in combination with '-1'

A NOTE: the 'oscam.srvid2' file especially may also contain FTA channels with CAID = FFFE,

which could also be included as TPL-picons, automatically in the generated table of CAIDs

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USE THE -a OR USE THE -l ARGUMENT ONLY
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-a

make a table of SIDs obtained from all '\*.PNG' files (from SKIN-picon directory),

in this case there are no CAIDs,

so the user-determined CAIDs will be added

'-c CAIDs' argument is necessary ! to specify the user's own CAIDs !

'-1' and '-2' arguments will be ignored here

-l "PROVIDER NAME 1[, PROVIDER NAME 2, ...]"

make a table of SIDs obtained from all '\*.PNG' files (from SKIN-picon directory),

but according to the DVB-provider name, found in the 'lamedb' file

"PROVIDER-NAME" = the name(s) of your DVB-provider in quotation marks, separated by commas,

for example: -l "SKY DE,M7 Group,Polosat"

'-c CAIDs' argument is necessary ! to specify the user's own CAIDs !

because the 'lamedb' file, unfortunately, does not always contain CAIDs

'-1' and '-2' arguments will be ignored here

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Filtering or determining of CAIDs (important, in the case of the
argument '-a' and '-l'):
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-c CAID[,CAID,...]
```

user-determined CAIDs separated by a comma (specifying user-defined CAIDs)

--OR--

filtered CAIDs - selecting the only required CAIDs what will retrieved from '.srvid' and/or '.srvid2' file

--WARNING--

if you do not specify the argument '-c' in the case of '-1' and '-2' arguments,

then all found CAIDs will be used ! beware of the large number of CAIDs (TPL files) !

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Optional arguments:  
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-o <PATH> path to the Oscam cfg-directory, if the script did not find the Oscam cfg-directory automatically  
-p <PATH> path to the SKIN-picon directory, if the default '/usr/share/enigma2/picon' directory was not found  
-q higher quality TPL-image processing with antialiasing filter (higher quality means a larger .tpl file size!)  
-d delete the whole TPL-directory before processing

#### === RECOMMENDED USAGE:

```
python ./oscam-picons-converter.py -d -a -c  
<all_your_CAIDs_with_FFFE_included>  
python ./oscam-picons-converter.py -d -a -c  
<all_your_CAIDs_with_FFFE_included> -p <SKIN-PICON-DIRECTORY>
```

#### === EXAMPLES:

```
python ./oscam-picons-converter.py -a -c 0624 -p /media/hdd/picon  
python ./oscam-picons-converter.py -a -c 0624,0D96,FFFE -d  
python ./oscam-picons-converter.py -l -c 0624,0D96,FFFE -p  
/mnt/autofs/nas/picon  
python ./oscam-picons-converter.py -l -2 -q -p /media/mmc/picon  
python ./oscam-picons-converter.py -l -d  
python ./oscam-picons-converter.py -2 -q -o /mnt/nas/oscamcfg -p  
/mnt/nas/picon  
python ./oscam-picons-converter.py -d -q -a -c 0624,0D96,FFFE  
python ./oscam-picons-converter.py -l "M7 Group, Towercom" -c 0624,0D96,FFFE
```

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