

Reference: ffmpeg - bash-script abstract

```
#Skript to convert different video formats (without -threads 4)
#!/bin/bash

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# @version: 2008.12.12
# @project: Digital Signage - Workflows in Digital TV
# @institute: Media University of Applied Science Stuttgart
#
# @description: this script is to encode one input video files to several video files in different
formats

# todo:
# write fps in logfile
# use input_file_info
#

# @variables
# path where ffmpeg is
BIN='/usr/local/bin'
URI='/home/media/scripts'
CONFIG_FILE=${URI}/workflow_ffmpeg_encode_smedia.conf'
LOG_FOLDER='/home/media/log'

...

# @filters:
#allows only: -arg foo0-9.: OUTPUTFILE
FILTER_ARGS='[-][^[:space:]]\{1,\}[:,space:]\{1,\}[^-][^[:space:]]\{0,\}'

...

function parse_help() {

    grep '\-${FFMPEG_OPTION}' ' ffmpeg.help | sed -e 's/[:,space:]\{2,\}/;/g' |awk -F ';' '{
print $2 }'

}

function run_encoding_routine () {

    for SET_VRESOLUTION in ${SET_VRESOLUTIONS}; do
        for SET_VBITRATE in ${SET_VBITRATES}; do
            for SET_ABITRATE in ${SET_ABITRATES}; do
                ...

                FFMPEG_OPT=' -pass '${SET_PASS}' -target
                '${SET_TARGET}' -r '${SET_FPS}' -vcodec '${SET_VCODEC}' -b '${SET_VBITRATE}' -acodec '${SET_ACODEC}'
                -ac '${SET_ACHANNELS}' -ar '${SET_AFREQ}' -ab '${SET_ABITRATE}' -f '${SET_CFORMAT}' -aspect
                '${SET_ASPECT}' -s '${SET_VRESOLUTION}' '${SET_OPTIONS}' -vstats_file '${OUTPUT_FILE}'.vstats '

                ...
            
```