

mkv2mp4 ffmpeg/ffprobe wrapper

[pknw1logo-white.png](#)

```
/usr/local/bin/mkv2mp4.sh
```

Quick MKV to MP4 conversion with FFMPEG

Converts from MKV to MP4 to allow rapid streaming for media

```
#!/bin/bash
# mkv2mp4.sh

function quit() {
    echo "[FAIL] - ${1}"
    exit
}

function success() {
    echo "[ OK ] - ${1}"
}

[[ -z $1 ]] && quit "no source file specified"
! [[ -z $(which ffmpeg) ]] && success "ffmpeg binary located" || quit "unable to locate ffmpeg"
! [[ -z $(which ffprobe) ]] && success "ffprobe binary located" || quit "unable to locate ffprobe"
! [[ -z $(which figlet) ]] && success "figlet binary located" || quit "unable to locate figlet"
```

```
INPUT="${1}"
FULL_SOURCE=$(realpath "${INPUT}")
FOLDER=$(dirname "${FULL_SOURCE}")
SOURCE_FILE=$(echo "${FULL_SOURCE}" | awk -F/ '{print $NF}')
SOURCE_EXT=$(echo "${SOURCE_FILE}" | awk -F. '{print $NF}')
TARGET_FILE=$(echo "${SOURCE_FILE}" | sed 's/.mkv/.mp4/')

cd "${FOLDER}"
figlet MKV2MP4 >> "${FOLDER}/mkv2mp4.log"
cat << EOF >> "${FOLDER}/mkv2mp4.log"

DATE:=$(date)
SOURCE:=${FULL_SOURCE}
TARGET:=${FOLDER}/${TARGET_FILE}

EOF

#[[ -f "${SOURCE_FILE}" ]] && success "source file located" || quit "unable to access source
file"
#touch /tmp/test/.mkv2mp4 && success "folder writeable" || quit "no permission to write to
folder"
#[[ -f "${FOLDER}/${TARGET_FILE}" ]] && quit "target file ${TARGET_FILE} already exists" ||
success "target filename ${TARGET} is available"

#figlet SOURCE >> "${FOLDER}/mkv2mp4.log"
#echo $(date) >> "${FOLDER}/mkv2mp4.log"
#ffprobe "${FULL_SOURCE}" >> "${FOLDER}/mkv2mp4.log" || quit "ffprobe failed to scan file"

#figlet ENCODE >> "${FOLDER}/mkv2mp4.log"
#echo $(date) >> "${FOLDER}/mkv2mp4.log"
ffmpeg -i "${FULL_SOURCE}" -c copy "${TARGET_FILE}" && mv "${FULL_SOURCE}" /tmp/encodes/

#figlet OUTPUT >> "${FOLDER}/mkv2mp4.log"
#echo $(date) >> "${FOLDER}/mkv2mp4.log"
#ffprobe "${FOLDER}/${TARGET_FILE}" >> "${FOLDER}/mkv2mp4.log" || quit "ffprobe failed to scan
file"
```

```
#[[ -f "${FOLDER}/${TARGET_FILE}" ]] && mv "${FULL_SOURCE}" /tmp/encodes/  
  
sudo chmod -R 777 "${FOLDER}"
```

execution

- ☐ mkv2mp4.sh </path/to/inputfile.mkv>
- ☐ reads the source file
 - ☐ uses ffprobe to get metadata
 - ☐ fast re-code the mkv to mp4
 - ☐ replace bad charachters in file and foldernames

further info

<u>Product Home</u>	Link
<u>Documentation</u>	Link
<u>Github</u>	Link
<u>DockerHub</u>	Link
<u>Misc</u>	Link

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