NAME

verify_ffv1 -- Verify fixity and a few parameters of a Matroska/FFV1 file

SYNOPSIS

verify_ffv1 -i *input_file*
verify_ffv1 -h | -x

DESCRIPTION

Bash_AVpres is a collection of Bash scripts for audio-visual preservation. One of these small programs is **verify_ffv1**. It verifies the fixity and a few parameters of a Matroska/FFV1 file.

This script should work correctly with Bash from version 3.2 (released back on 2006-10-11), however we strongly advise using the current version 5.3.9 (released on 2025-12-10).

OPTIONS

BASIC OPTION

-i *input_file*, **--input=***input_file*
input file

ADVANCED OPTIONS

The default arguments of the advanced options can be overwritten by the user. Please remember that any string containing spaces must be quoted, or its spaces must be escaped.

--ffmpeg='/bin/ffmpeg'
path to the **ffmpeg** command

--ffprobe='/bin/ffprobe'
path to the **ffprobe** command

--suffix='_ffv1'
The suffix is inserted at the end of the filename, immediately before the period and the extension. If wished, a preceding underscore must be added.

--extension='mkv'
Matroska is the "natural" container for the FFV1 video codec, but others are possible.

INFORMATIVE OPTIONS

-h, --help
display a help message

-x, --options
display the advanced options with their default arguments and indicate if a local configuration has been defined or not

NOTES

The Audio Video Interleave container (".avi" files) is also supported by **make_ffv1** and **verify_ffv1**.

CONFIGURATION FILE

An external configuration file
${HOME}/.config/AVpres/Bash_AVpres/verify_ffv1.txt

can be defined, allowing the script to import alternate default values for the following options:
ffmpeg_bin
ffprobe_bin

Example:
ffmpeg_bin='/bin/ffmpeg-alt'
ffprobe_bin='/bin/ffprobe-alt'

LOG FILES

Temporary log files are stored at
/tmp/AVpres/verify_ffv1.XXXXXXXXXX

The log files can be used for debugging, for example by running **cat** on the address prompted with fatal error messages:

cat /tmp/AVpres/verify_ffv1.*XXXXXXXXXX*

SEE ALSO

RFC 9043 -- Michael Niedermayer, Dave Rice and Jerome Martinez: "FFV1 Video Coding Format Version 0, 1, and 3", August 2021
https://www.rfc-editor.org/info/rfc9043

make_ffv1(1); **ffmpeg**(1) and **ffprobe**(1).

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