

NAME

webpmux - create animated WebP files from non-animated WebP images, extract frames from animated WebP images, and manage XMP/EXIF metadata and ICC profile.

SYNOPSIS

```
webpmux -get GET_OPTIONS INPUT -o OUTPUT  
webpmux -set SET_OPTIONS INPUT -o OUTPUT  
webpmux -strip STRIP_OPTIONS INPUT -o OUTPUT  
webpmux -frame FRAME_OPTIONS [ -frame ... ] [ -loop LOOP_COUNT ]  
    [ -bgcolor BACKGROUND_COLOR ] -o OUTPUT  
webpmux -duration DURATION OPTIONS [ -duration ... ] INPUT -o OUTPUT  
webpmux -info INPUT  
webpmux [-h|-help]  
webpmux -version  
webpmux argument_file_name
```

DESCRIPTION

This manual page documents the **webpmux** command.

webpmux can be used to create/extract from animated WebP files, as well as to add/extract/strip XMP/EXIF metadata and ICC profile. If a single file name (not starting with the character '-') is supplied as the argument, the command line arguments are actually tokenized from this file. This allows for easy scripting or using a large number of arguments.

OPTIONS**GET_OPTIONS (-get):**

icc Get ICC profile.

exif

Get EXIF metadata.

xmp

Get XMP metadata.

frame *n*

Get *n*th frame from an animated image. (*n* = 0 has a special meaning: last frame).

SET_OPTIONS (-set)

loop *loop_count*

Set loop count on an animated file.

Where: 'loop_count' must be in range [0, 65535].

bgcolor *A,R,G,B*

Set the background color of the canvas on an animated file.

where: 'A', 'R', 'G' and 'B' are integers in the range 0 to 255 specifying the Alpha, Red, Green and Blue component values respectively.

icc *file.icc*

Set ICC profile.

Where: 'file.icc' contains the ICC profile to be set.

exif *file.exif*

Set EXIF metadata.

Where: 'file.exif' contains the EXIF metadata to be set.

xmp *file.xmp*

Set XMP metadata.

Where: 'file.xmp' contains the XMP metadata to be set.

STRIP_OPTIONS (-strip)

icc Strip ICC profile.

exif

Strip EXIF metadata.

xmp

Strip XMP metadata.

DURATION_OPTIONS (-duration)

Amend the duration of a specific interval of frames. This option is only effective on animated WebP and has no effect on a single-frame file.

duration[,start[,end]]

Where:

duration is the duration for the interval in milliseconds (mandatory). Must be non-negative.

start is the starting frame index of the interval (optional).

end is the ending frame index (inclusive) of the interval (optional).

The three typical usages of this option are:

-duration d

set the duration to 'd' for the whole animation.

-duration d,f

set the duration of frame 'f' to 'd'.

-duration d,start,end

set the duration to 'd' for the whole [start,end] interval.

Note that the frames outside of the [start, end] interval will remain untouched. The 'end' value '0' has the special meaning 'last frame of the animation'.

Reminder:

frame indexing starts at '1'.

FRAME_OPTIONS (-frame)

Create an animated WebP file from multiple (non-animated) WebP images.

file_i +di[+xi+yi[+mi[bi]]]

Where: 'file_i' is the i'th frame (WebP format), 'xi', 'yi' specify the image offset for this frame, 'di' is the pause duration before next frame, 'mi' is the dispose method for this frame (0 for NONE or 1 for BACKGROUND) and 'bi' is the blending method for this frame (+b for BLEND or -b for NO_BLEND). Argument 'bi' can be omitted and will default to +b (BLEND). Also, 'mi' can be omitted if 'bi' is omitted and will default to 0 (NONE). Finally, if 'mi' and 'bi' are omitted then 'xi' and 'yi' can be omitted and will default to +0+0.

-loop n

Loop the frames n number of times. 0 indicates the frames should loop forever. Valid range is 0 to 65535 [Default: 0 (infinite)].

-bgcolor A,R,G,B

Background color of the canvas.

where: 'A', 'R', 'G' and 'B' are integers in the range 0 to 255 specifying the Alpha, Red, Green and Blue component values respectively [Default: 255,255,255,255].

INPUT

Input file in WebP format.

OUTPUT (-o)

Output file in WebP format.

Note:

The nature of EXIF, XMP and ICC data is not checked and is assumed to be valid.

BUGS

Please report all bugs to the issue tracker: <https://bugs.chromium.org/p/webp>

Patches welcome! See this page to get started:

<https://www.webmproject.org/code/contribute/submitting-patches/>

EXAMPLES

Add ICC profile:

```
webpmux -set icc image_profile.icc in.webp -o icc_container.webp
```

Extract ICC profile:

```
webpmux -get icc icc_container.webp -o image_profile.icc
```

Strip ICC profile:

```
webpmux -strip icc icc_container.webp -o without_icc.webp
```

Add XMP metadata:

```
webpmux -set xmp image_metadata.xmp in.webp -o xmp_container.webp
```

Extract XMP metadata:

```
webpmux -get xmp xmp_container.webp -o image_metadata.xmp
```

Strip XMP metadata:

```
webpmux -strip xmp xmp_container.webp -o without_xmp.webp
```

Add EXIF metadata:

```
webpmux -set exif image_metadata.exif in.webp -o exif_container.webp
```

Extract EXIF metadata:

```
webpmux -get exif exif_container.webp -o image_metadata.exif
```

Strip EXIF metadata:

```
webpmux -strip exif exif_container.webp -o without_exif.webp
```

Create an animated WebP file from 3 (non-animated) WebP images:

```
webpmux -frame 1.webp +100 -frame 2.webp +100+50+50  
-frame 3.webp +100+50+50+1+b -loop 10 -bgcolor 255,255,255,255  
-o anim_container.webp
```

Get the 2nd frame from an animated WebP file:

```
webpmux -get frame 2 anim_container.webp -o frame_2.webp
```

Using `-get/-set/-strip` with input file name starting with `'-'`:

```
webpmux -set icc image_profile.icc -o icc_container.webp -- ---in.webp  
webpmux -get icc -o image_profile.icc -- ---icc_container.webp  
webpmux -strip icc -o without_icc.webp -- ---icc_container.webp
```

AUTHORS

webpmux is a part of libwebp and was written by the WebP team.

The latest source tree is available at <https://chromium.googlesource.com/webm/libwebp>

This manual page was written by Vikas Arora <vikaas.arora@gmail.com>, for the Debian project (and may be used by others).

SEE ALSO

cwebp(1), **dwebp(1)**, **gif2webp(1)**

Please refer to <https://developers.google.com/speed/webp/> for additional information.