

# Creating Animated WebP Pictures (written by Eroidin)

## Needed:

- One Image you want to animate
- AI Solution to animated said Image (Grok is free and excelent voor this purpose)
- the website [ezgif](#) (with rishi upping the image size limit to 8MiB for image size, we no longer need the heavy compression that FFMPEG provides)

## (Current) Limitations

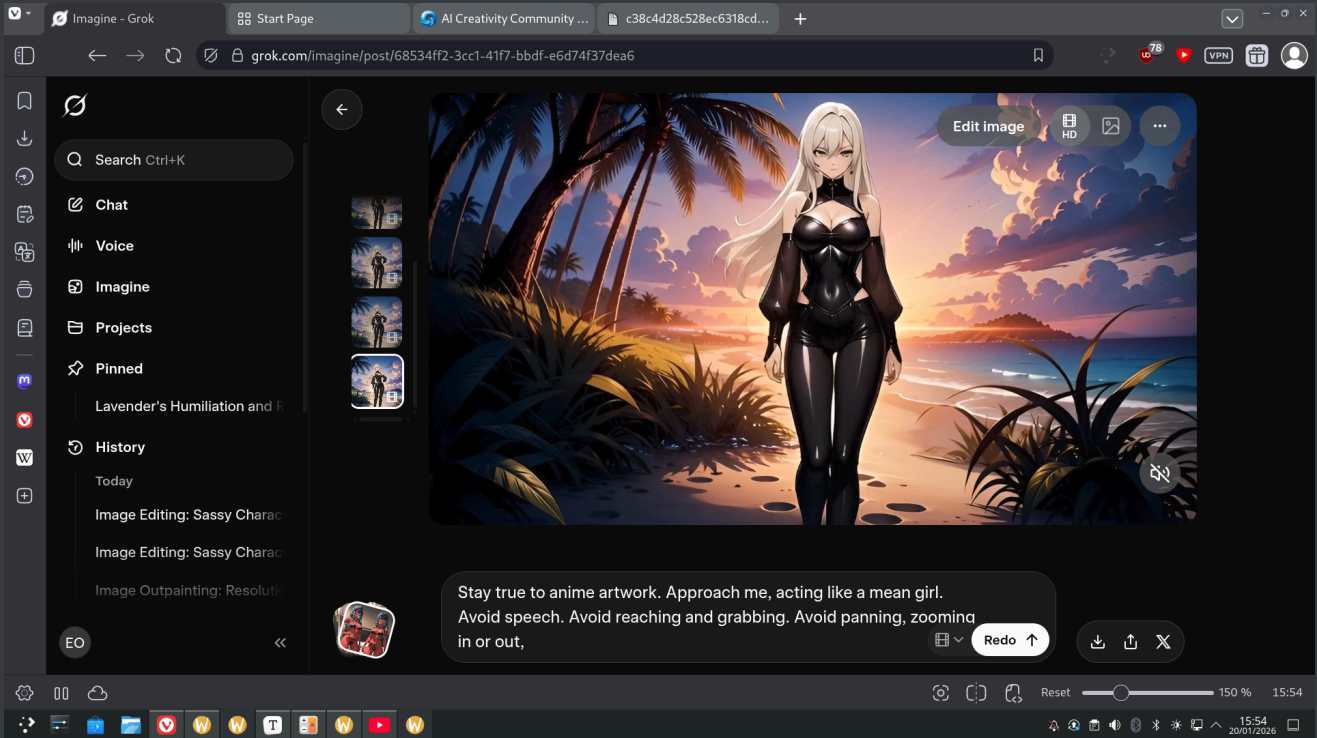
- The image size must not be bigger then 8 MiB
- Cloudflare Limitation: An image cannot exceed 50 megapixels. Rishi says the calculation for animation is width x height x frames, but I have noticed that 1280 x 720 x 100 seems to be the limit. As a rule of thumb, I advise the following:
  - For a 6 second video, keep it at 16 fps per second ( $6 \times 16 = 96$ )
  - For a 5 second video, keet it at 20 fps per second ( $5 \times 20 = 100$ )

## From Image to Video

- Step 1: Generate an Image on your favourite AI solution (or draw it yourself) We will be using this one:

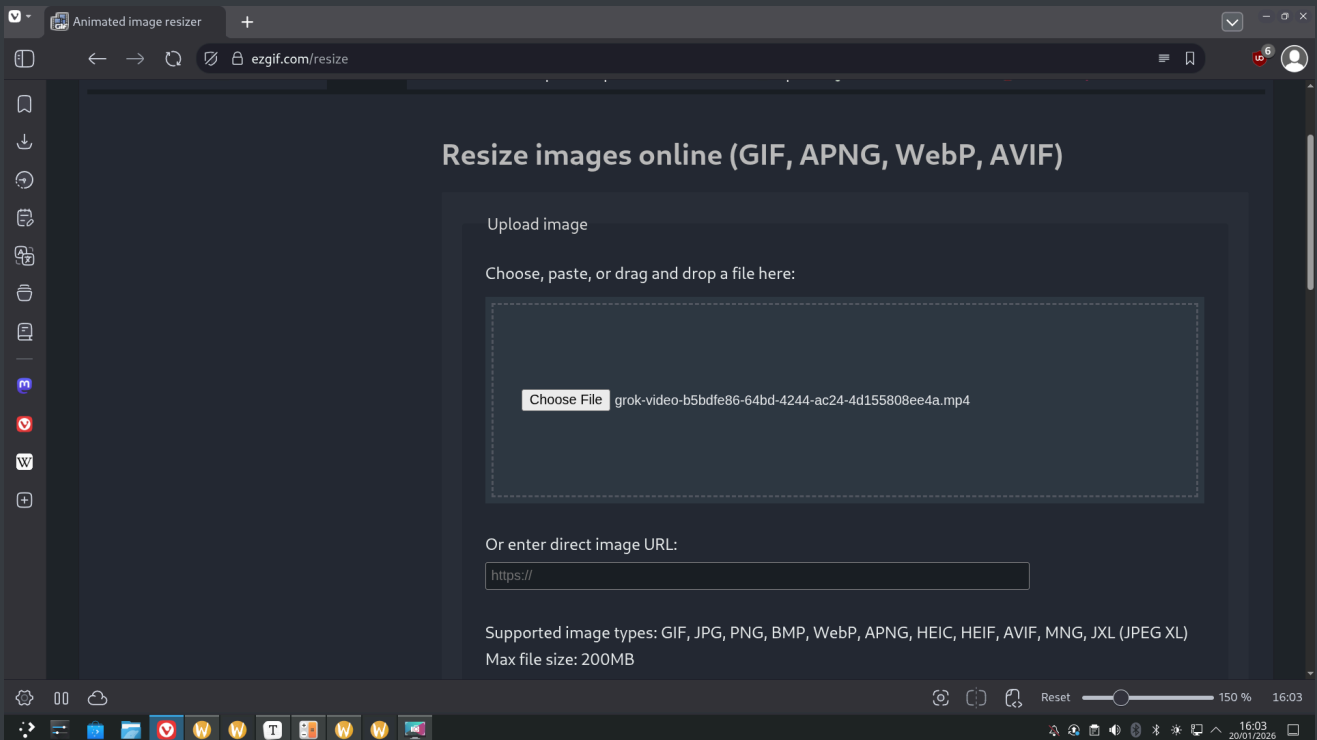


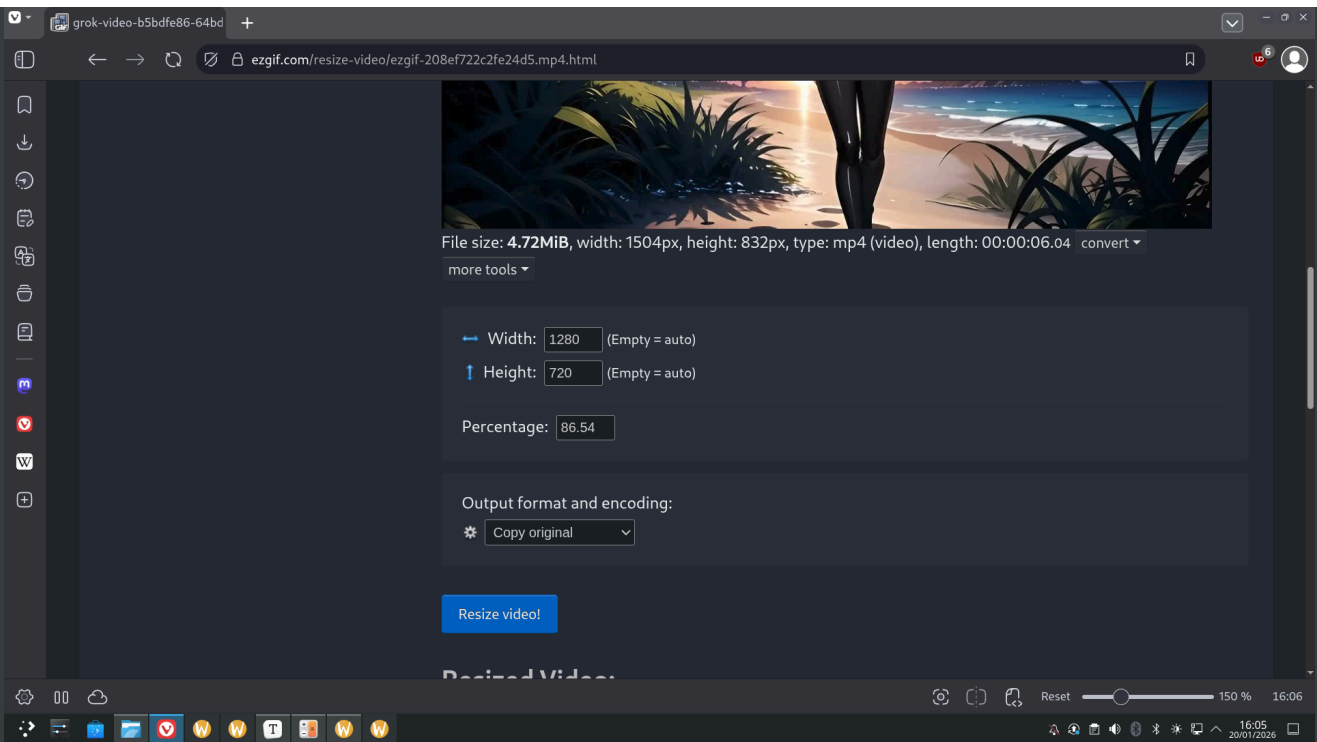
- Step 2: Open Grok > imagine > then upload your image and tell it to animate the image. Keep in mind that grok has become really strict lately regarding NSFW content, keep it SFW.



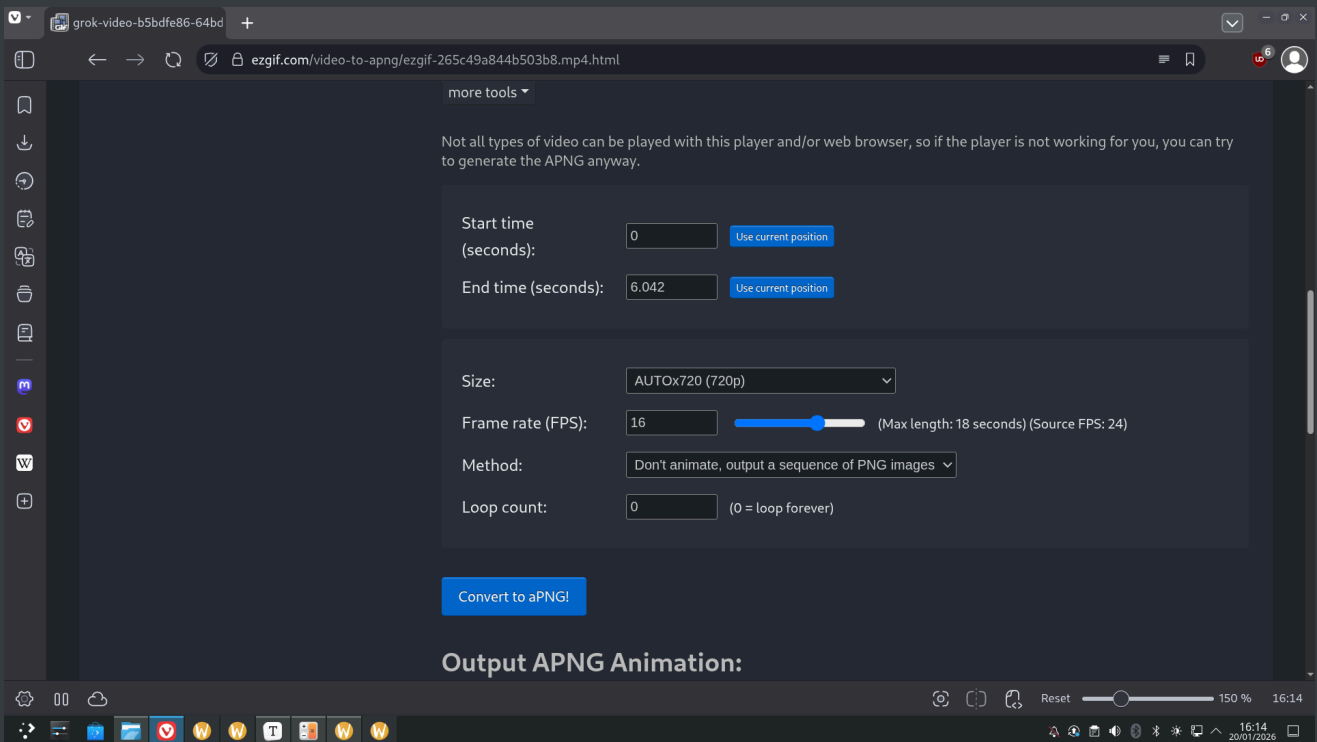
(Don't forget to upscale it to HD in the options menu)

- Step 3: Go to ezgif. Chose to resize, upload your video, then change it to 1280x720



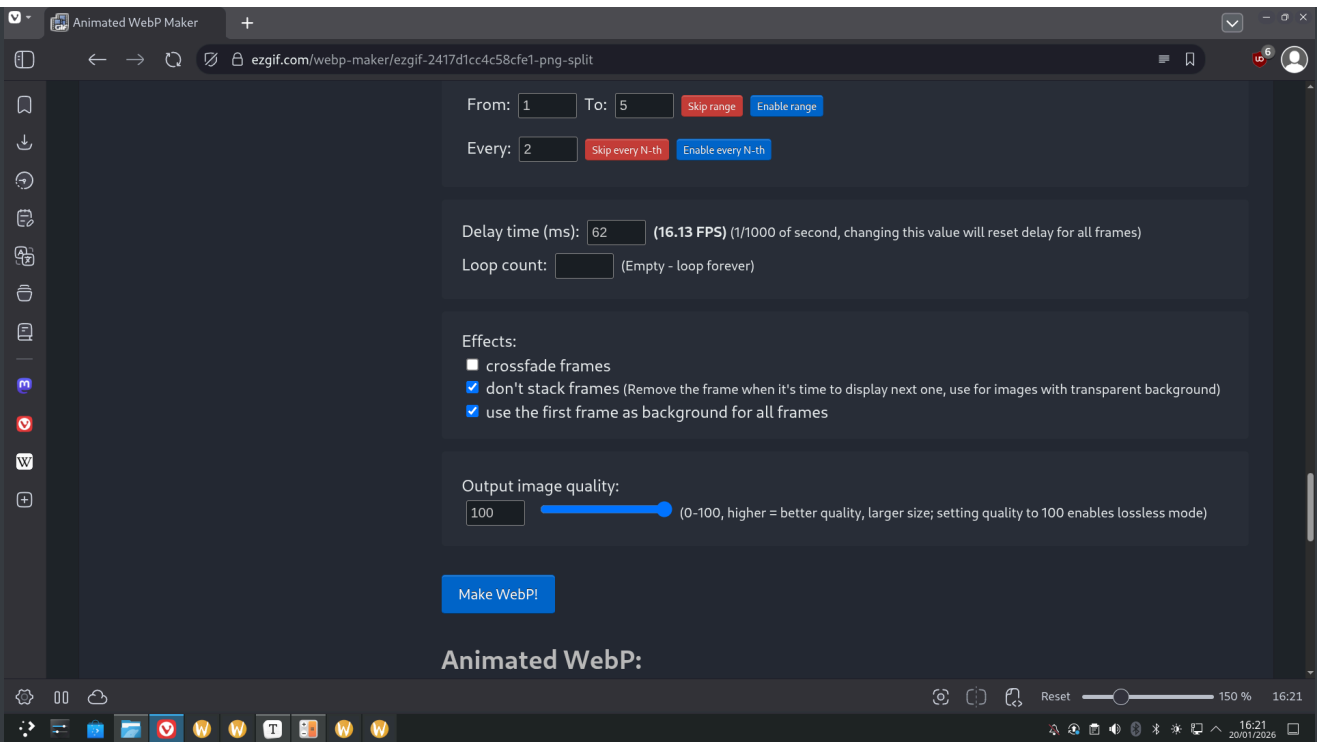


- Step 4: After resizing, choose the option to convert the video to APNG. DO NOT USE A DIRECT CONVERSION TO WEBP! We need to optimize our content first, otherwise we'll either end up with a too big file size, or artifacts in our animation. Choose the following options on the **Video to animated PNG converter** page (I'm going for a 6 Sec video. For 5 sec, change FPS to 20):



(Click on convert to APNG afterwards)

- Step 5: Below, click on Create WebP (might take awhile), then scroll to the bottom and use the following settings (If 20 FPS, then Delay Time should be 50), and click on Make WebP (takes a a bit of time):



- Step 6: Check the file size and frames. If with 20 FPS the file size is higher than 8 MiB, you need to lower the FPS. The quality slider should always stay on 100 for the best quality.

