


# HackTheBox – Retro Write Up

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## Tools:

- Binwalk tool (Kali Linux)
- Turgen System (<https://sourceforge.net/projects/turgen/>)

## Walkthrough:

Step	Description
1	<p>Unzip the files from the zip file. The file extracted from the zip file is "retro.jpg".</p>  <p>Figure 1: Retro.jpg image.</p>
2	<p>Inside Kali Linux, use binwalk tool with the command "binwalk -e retro.jpg" to extract the files contained within the image.</p>
3	<p>After extracting, 2 files "eighties_were_nice.txt" and "retro.wav" files were discovered. The clues were given inside the text file.</p> <p>Retro style is nice! I hope you can find the "flag" as we usually did in the eighties</p>
4	<p>From Hackthebox forums discussion, it seemed that the flag is hidden inside the wav file and required some form of conversion.</p>
5	<p>Turgen was downloaded. After that, start the program and proceed to "Tools" tab and select "Turbo decoder".</p>
6	<p>Inside Turbo decoder, upload the "retro.wav" file, click "Attach decoder", and set Decoder to "Universal Turbo".</p>
7	<p>Navigate around the wav file and click "Decode one file" and repeat the process until reaching the end of file.</p>

<b>8</b>	Change to the directory of the stored files and view it inside notepad/text editor program.
<b>9</b>	The flag is found within one of the files recovered from the wav file.

Flag is HTB{Please decrypt yourself ☺}