

Flag in Flame

Flag : picoCTF{forensics_analysis_is_amazing_5ccc7cb0}

Solution Approach

1. Given a log file named logs.txt which is unusually large log file . So first i will check the head of the file and wont open the file in whole as it is very big .
2. After running the command `head -n 20 logs.txt` i found that the logs are looks like a base64 encoded .
3. So i decode the base64 using `base64 -d logs.txt > mysteriousfile`
4. The mystirious file is a png image



709636F4354467B666F72656E736963735F616E616C797369735F69735F616D617A696E675F356363633763623

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5. Then i extract the Text in image using **tesseract image.png output**
6. The image contains some numbers which are hex encoded so i open the Cyber Chef and convert the hex into readable text

The screenshot shows the CyberChef interface. On the left, there's a sidebar with a 'Recipe' section containing a 'From Hex' button and a 'Delimiter' dropdown set to 'Auto'. The main area has two tabs: 'Input' and 'Output'. In the 'Input' tab, there is a large text area containing a long string of hex digits: 7069636F4354467B666F72656E736963735F 616E616C797369735F69735F61 6D617A696E675F3563636337636. Below this input area, there's a status bar with 'rec 96' and a selection indicator '1'. In the 'Output' tab, the converted text is displayed: picoCTF{forensics_analysis_is_amazing_5ccc7cb0}. There are also 'Raw' and 'By' buttons at the bottom of the output area.

7. I got the FLAG !