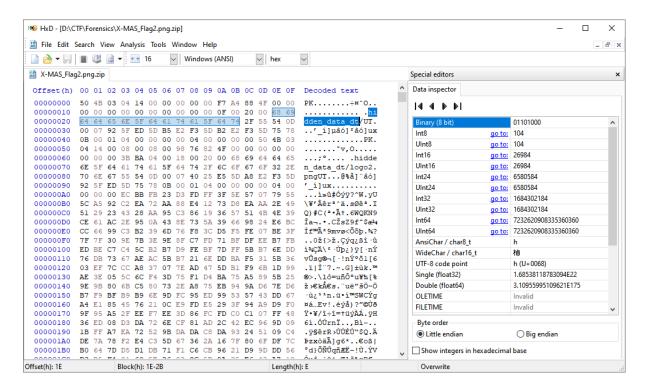
Santa's Forensics 101 (forensics)

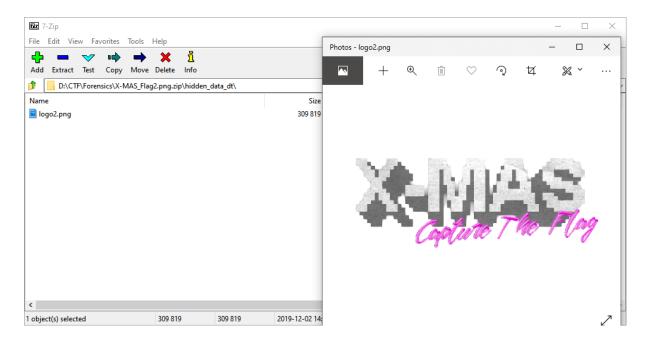
X-MAS CTF 2019

Written by Eryk Majoch (mrmelonhokage) for ProgPilot

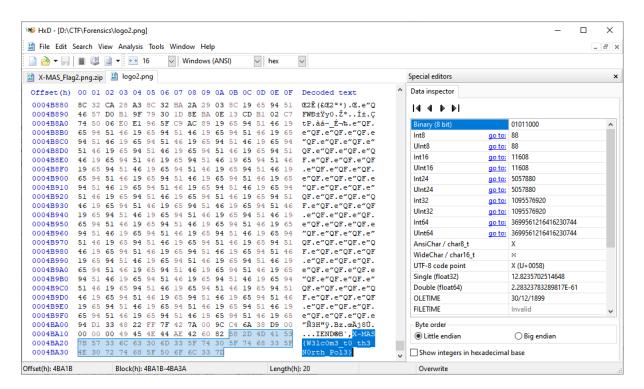
I started off by downloading the file (download a copy here) and trying to open it normally. The file couldn't be opened even though it was a .png file, so I decided to download a hex viewer and I settled on HxD Hex Editor. I opened the file through the editor and realised that the main .png file contained a hidden folder called "hidden_data_dt" which was embedded into the first few bytes of the file.



I opened up 7Zip and I was able to access the hidden folder. It was a second .png file named "logo2.png" and this one could be opened normally. I opened the second .png in the hex reader and looked at the first and the last bytes as both places can be altered and have files or in this case text embedded into.



The very last bytes of the logo2.png file contained the flag: $X-MAS\{W3lc0m3_t0_th3_N0rth_Pol3\}$



Challenge description

