

Zion - Misc (51)

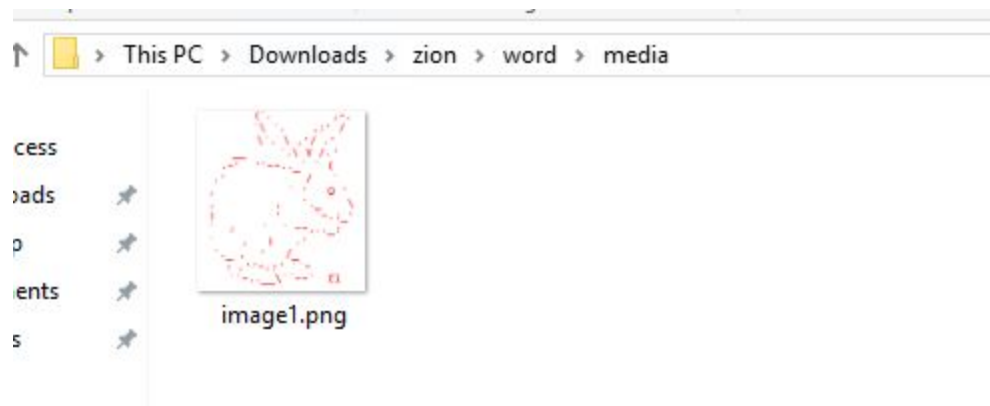
Is this the access codes to the Zion mainframe?. We have only bits and pieces of information.

Solves: 44

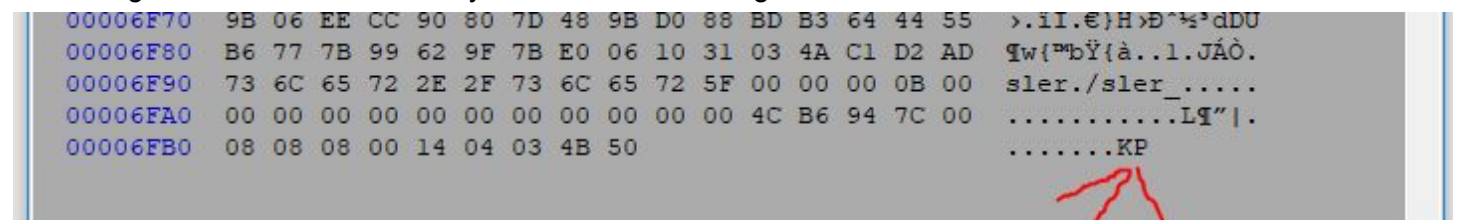
Download: zion.tar.gz

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Pull down the file and unwrap the oion and you end up with some files that look like a word doc unzipped with some xml files and other junk to throw you off. I found this image file in one of the folders. Although, interesting not really leading to anything.



I decide to take a close look at the file in a hexeditor to make sure they have stacked file together to hide something. I find that at the bottom you can see something off:



Everything seems to be print backwards at the bottom, so I work my way back up until it flips back to normal and I find it about half way up the file:

```

00003840 00 14 00 08 08 08 00 BC 94 B6 4C 29 EF 3D 8B 4A .....4"qL)1=<0
00003850 01 00 00 16 05 00 00 13 00 00 00 00 00 00 00 .....
00003860 00 00 00 00 00 2F 34 00 00 5B 43 6F 6E 74 65 6E ...../4..[Conten
00003870 74 5F 54 79 70 65 73 5D 2E 78 6D 6C 50 4B 05 06 t_Types].xmlPK..
00003880 00 00 00 00 0B 00 0B 00 C2 02 00 00 BA 35 00 00 .....Â....°5..
00003890 00 00 00 00 00 00 34 0E 00 00 03 03 00 0C 00 0C .....4.....
000038A0 00 00 00 00 06 05 4B 50 6C 6D 78 2E 5D 73 65 70 .....KPlmx.]sep
000038B0 79 54 5F 74 6E 65 74 6E 6F 43 5B 00 00 32 79 00 yT_tnetnoC[..2y.
000038C0 00 00 00 00 00 00 00 00 00 00 00 00 13 00 00 05 .....
000038D0 93 00 00 01 54 A6 00 75 BF 4C B6 94 7C 00 08 08 "...T|.u;Lq"|...
000038E0 08 00 14 00 14 02 01 4B 50 6C 6D 78 2E 31 65 6D .....KPlmx.lem
000038F0 65 68 74 2F 65 6D 65 68 74 2F 64 72 6F 77 00 00 eht/emeht/drow..
00003900 2C 82 00 00 00 00 00 00 00 00 00 00 00 00 15 .....

```

After spending some minutes looking the file over it looks like a valid zip backwards. So, work on a command to reverse the file byte by byte:

cat YouKnow.zip | xxd -p -c1 | tac | xxd -p -r > output.zip

I go find that file again and see what it looks like now:

```

      \      /
      \|    /
    ) \ - / (
      /e e\
    ( =T= )
      /----\
     /      \
    /-----\
   /-----\
  /-----\
 /-----\
/-----\
-----|sctf{m41nfr4m3_4cc3ss_c0d3_1337_4lw4s}
-.-' / \
-/jgs\_____

```

Sweet!

Flag: **sctf{m41nfr4m3_4cc3ss_c0d3_1337_4lw4s}**