Secure-Contain-Protect Challenge

Challenge | 44 Solves

Secure-Contain-Protect

10

You have successfully gotten into the file.. Find the information that John left behind regarding his whereabouts.

Flag Format: SBTVIP{----}

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Answer: This challenge is a second part of the Switching Teams Challenge. Let start by looking at all the files that came out of admin.zip

```
root@kali:/home/kali/Pictures/John# ls -lRah
.:
total 36K
drwxrwxrwx  6 root root 4.0K Feb 21 17:36  .
drwxrwxrwx 11 kali kali  12K Mar 16 08:16  ..
-rw-r--r--  1 root root   30 Feb 21 17:52  Flag1.txt
drwx------  3 root root 4.0K Feb 21 18:16  Homework
drwx------  3 root root 4.0K Feb 21 17:38 'Personal Stuff'
drwx------  2 root root 4.0K Feb 21 17:31  Pictures
drwx------  2 root root 4.0K Feb 21 17:36  Work

./Homework:
total 12K
drwx------ 3 root root 4.0K Feb 21 18:16 .
drwxrwxrwx 6 root root 4.0K Feb 21 17:36 ..
drwx------ 2 root root 4.0K Feb 21 18:16 Churchill

./Homework/Churchill:
total 392K
drwx------ 2 root root 4.0K Feb 21 18:16  .
drwx------ 3 root root 4.0K Feb 21 18:16  ..
-rw-r--r-- 1 root root 105K Feb 21 18:16  .jpeg
-rw-r--r-- 1 root root 266K Feb 21 18:16  Winston-Churchill-1.jpg
-rw-r--r-- 1 root root  243 Feb 21 18:16 'Winston Churchill Biography, World War II, & Facts ....URL'
-rw-r--r-- 1 root root  236 Feb 21 18:16 'Winston Churchill - Wikipedia.URL'

'./Personal Stuff':
total 16K
drwx------ 3 root root 4.0K Feb 21 17:38 .
drwxrwxrwx 6 root root 4.0K Feb 21 17:36 ..
drwx------ 3 root root 4.0K Feb 21 17:40 Certifications
-rw-r--r-- 1 root root  228 Feb 21 17:38 How-To-Build-NGINX-Server.txt

'./Personal Stuff/Certifications':
total 16K
drwx------ 3 root root 4.0K Feb 21 17:40 .
drwx------ 3 root root 4.0K Feb 21 17:38 ..
-rw-r--r-- 1 root root  257 Feb 21 17:40 ITFUNDAMENTALS.txt
drwx------ 2 root root 4.0K Feb 21 17:41 SBT

'./Personal Stuff/Certifications/SBT':
total 12K
drwx------ 2 root root 4.0K Feb 21 17:41 .
drwx------ 3 root root 4.0K Feb 21 17:40 ..
-rw-r--r-- 1 root root  168 Feb 21 17:41 rant.txt
```

```
./Pictures:
total 16M
drwx------ 2 root root 4.0K Feb 21 17:31 .
drwxrwxrwx 6 root root 4.0K Feb 21 17:36 ..
-rw-r--r-- 1 root root 2.8M Feb 21 17:30 dan-gold-P_0R02ArdLE-unsplash.jpg
-rw-r--r-- 1 root root 884K Feb 21 17:30 davisco-5E5N49RWtbA-unsplash.jpg
-rw-r--r-- 1 root root 2.8M Feb 21 17:31 gatis-marcinkevics-a5uptAdUmjE-unsplash.jpg
-rw-r--r-- 1 root root 1.5M Feb 21 17:31 ivan-bandura-5cwigXmGWTo-unsplash.jpg
-rw-r--r-- 1 root root 6.2M Feb 21 17:31 matteo-bernardis-QpIayO5KIRE-unsplash.jpg
-rw-r--r-- 1 root root 1.3M Feb 21 17:31 mohamed-nashah-GIsFHopvbPA-unsplash.jpg
```

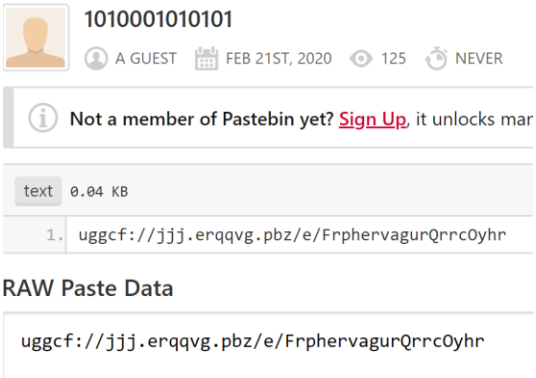
We have a few files including a hidden jpeg.

Nothing special about this image.

There are a few txt files, one of interest is the Work/To-Do.txt. Inside there is a link https://pastebin.com/DaA5uvk4

```
root@kali:/home/kali/Pictures/John/Work# cat To-Do.txt
1. Rename Business to Secure in the Deep Blue
2. Steal BTL1 Plan
3. Evade any feds
4. Rick Roll some investigators
5. Hack the World
6. 4kvu5AaD\moc.nibetsap\\:sptth
```

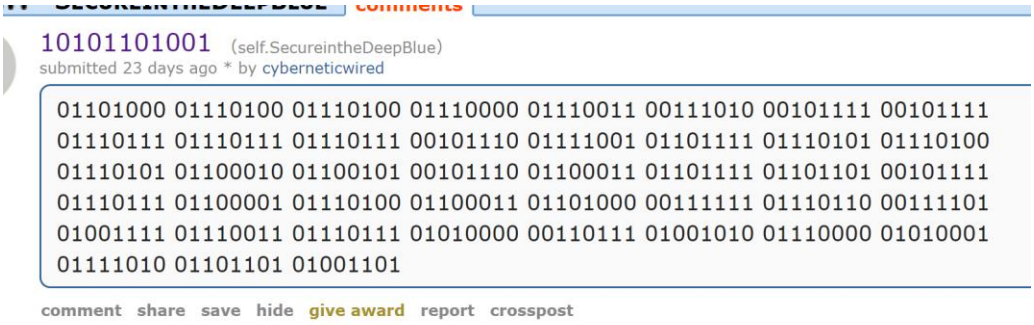
If you go to that site we see the following.



This looks to bea URL that is ROT13 encoded, let's use hURL to decode.

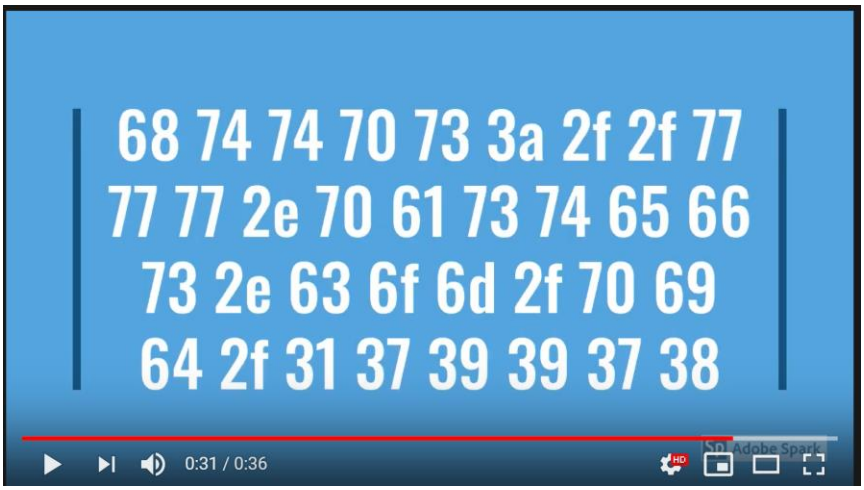
```
root@kali:/home/kali/Pictures/John/Work# hURL -7 uggcf://jjj.erqqvg.pbz/e/FrphervagurQrrcOyhr

Original string    :: uggcf://jjj.erqqvg.pbz/e/FrphervagurQrrcOyhr
Converted to ROT13 :: https://www.reddit.com/r/SecureintheDeepBlue
```

Another url to a reddit page that contains some binary.



Decoding the binary give us the following. https://www.youtube.com/watch?v=OswP7JpQzmM

The YouTube video looks like a confession tape with one important frame that contains a hex string. 68 74 74 70 73 3a 2f 2f 77 77 77 2e 70 61 73 74 65 66 73 2e 63 6f 6d 2f 70 69 64 2f 31 37 39 39 37 38 decoded to https://www.pastefs.com/pid/179978



PasteFS new recent trends search

guest on 22 Feb, 2020

```
SBTVIP{3vidence_acquir3D}

I give up.
I John Kelvin stole work from SBT because I didn't study hard enough.

I have seen the content.

I can't beileve how much effort was put into it.

I did something WRONG.

I'm sorry SBT. Forgive me.

https://securityblue.team/why-btl1/
```

When you visit the site you see the final confession and the flag.

FLAG: SBTVIP{3vidence_acquir3D}