




BUUCTF: snake

原创

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题目地址: <https://buuoj.cn/challenges#snake>

Challenge 736 Solves ×

snake

1

注意: 得到的 flag 请包上 flag{} 提交

 8033a99b-d...

Flag

Submit

<https://blog.csdn.net/mochu7777777>

```

m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads$ cd snake/
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake$ ls
snake.jpg
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake$ binwalk snake.jpg

```

DECIMAL	HEXADECIMAL	DESCRIPTION
0	0x0	JPEG image data, JFIF standard 1.01
30	0x1E	TIFF image data, big-endian, offset of first image directory: 8
2925	0xB6D	Copyright string: "Copyright Apple Inc., 2015"
278260	0x43EF4	Zip archive data, at least v1.0 to extract, compressed size: 82, uncompressed size: 82, name: key
278375	0x43F67	Zip archive data, at least v1.0 to extract, compressed size: 48, uncompressed size: 48, name: cipher
278632	0x44068	End of Zip archive, footer length: 22

```

m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake$ foremost snake.jpg
Processing: snake.jpg
|foundat=keyV2hhdCBpcyB0aWNraSBNaW5haidzIGZhdm9yaXRlIHNVbmcgdGhhdCByZWZlcnMgdG8gc25ha2VzPwo=
PK00

foundat=cipher0DD. C P Q R S T U V W X Y Z [ \ ] ^ _ ` { | } ~ ?
r t u v w x y z

*|
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake$ ls
output snake.jpg
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake$ ls
output snake.jpg
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake$ cd output/
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output$ ls
audit.txt ip0 zip
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output$ cd zip/
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip$ ls
00000543 00000543.zip
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip$ cd 00000543
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ ls
cipher key
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ file key
key: ASCII text, with CRLF line terminators
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ file cipher
cipher: data
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ |

```

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binwalk 分析发现图片中隐写了压缩包，使用 foremost 进行分离得到一个压缩包，内容如下

```

m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ ls
cipher key
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ cat key
V2hhdCBpcyB0aWNraSBNaW5haidzIGZhdm9yaXRlIHNVbmcgdGhhdCByZWZlcnMgdG8gc25ha2VzPwo=
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ cat cipher
0DD. C P Q R S T U V W X Y Z [ \ ] ^ _ ` { | } ~ ?
r t u v w x y z
m0c1nu7@Seanz7:/mnt/c/Users/Administrator/Downloads/snake/output/zip/00000543$ |

```

```

PS C:\Users\Administrator> php -r "echo base64_decode('V2hhdCBpcyB0aWNraSBNaW5haidzIGZhdm9yaXRlIHNVbmcgdGhhdCByZWZlcnMgdG8gc25ha2VzPwo=');"
What is Nicki Minaj's favorite song that refers to snakes?

```

About 5,990,000 results (0.83 seconds)

Anaconda

Song by Nicki Minaj





Lyrics

My anaconda don't, my anaconda don't
My anaconda don't want none unless you got buns, hun
Boy toy named Troy used to live in Detroit
Big dope dealer money, he was gettin' some coins... [More](#)

Source: [LyricFind](#)

Available on

 Spotify

 YouTube Music

Artist: [Nicki Minaj](#)

Album: [The Pinkprint](#)

Released: 2014

Awards: [MTV Video Music Award for Best Hip-Hop Video](#)

Nominations: [MTV Video Music Award for Best Female Video](#), [MORE](#)

Genres: Pop, Hip-Hop/Rap

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serpent加密, key(小写): anaconda

serpent在线解密: <http://serpent.online-domain-tools.com/>

Input type: File

File: C:\fakepath\cipher Browse

Function: SERPENT

Mode: ECB (electronic codebook)

Key: anaconda
(plain)

Plaintext Hex

> Encrypt! > Decrypt! ▶ 🔗

100%
File was uploaded.

Decrypted text:

00000000	43 54 46 7b 77 68 6f 5f 6b 6e 65 77 5f 73 65 72
00000010	70 65 6e 74 5f 63 69 70 68 65 72 5f 65 78 69 73
00000020	74 65 64 7d 00 00 00 00 00 00 00 00 00 00 00 00

```
C T F { w h o _ k n e w _ s e r
p e n t _ c i p h e r _ e x i s
t e d } . . . . .
```

[\[Download as a binary file\] \[?\]](#)

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`flag{who_knew_serpent_cipher_existed}`