

# 사이버 가디언즈 챌린지

한세사이버보안고

1051p

cocoa1234

이진근

# Mic Check 1p

## Mic Check



1 point

아~아~ 마이크 체크!

아래의 플래그를 입력하세요.

Flag = {CyberGuardiansChallenge}

# 난 해적왕이 될거야!! 100p

NO	SAFES	OWNER
3	<a href="#">This is for my love Will</a>	Elizabeth
2	<a href="#">Monkey Banana</a>	undead mongkey
1	<a href="#">Don't tough my treasure!</a>	Captain Jack

13.125.21.90 | user

undead monkey

값

dW5kZWFlIG1vbmtleQ%3D%3D

Captain Jack

Q2FwdGFpbiBKYWNr

위처럼 Captain Jack이라는 문자를 base64로 encode하여 쿠키에 집어 넣은 후 글을 읽으면 jack.gold라는 파일을 다운받게 된다.  
jack.gold라는 파일을 열면 플래그가 나온다

```
owner : Captain Jack Sparrow
Balance : 1,000,000,000
FLAG{Y0u_g0t_my_tr2asure_aga1n!}
```

# serial wanted 150p

00B110EA	. 68 8C21B100	push serial_w,00B1218C	ASCII "***** SERIAL WANTED *****"
00B110EF	. E8 2CFFFFFF	call serial_w,00B11020	
00B110F4	. 68 AC21B100	push serial_w,00B121AC	ASCII "SERIAL : "
00B110F9	. E8 22FFFFFF	call serial_w,00B11020	
00B110FE	. 6A 1A	push 1A	Arg3 = 0000001A
00B11100	. 8D45 DC	lea eax, [local.9]	
00B11103	. 50	push eax	Arg2
00B11104	. 68 B821B100	push serial_w,00B121B8	Arg1 = 00B121B8 ASCII "%s"
00B11109	. E8 42FFFFFF	call serial_w,00B11050	serial_w,00B11050
00B1110E	. 8A45 DC	mov al, byte ptr ss:[ebp-24]	
00B11111	. 83C4 14	add esp, 14	
00B11114	. C645 F5 00	mov byte ptr ss:[ebp-8], 0	
00B11118	. 3A45 8E	cmp al, byte ptr ss:[ebp-72]	
00B1111B	. 0F85 D1000000	jnz serial_w,00B111F2	
00B11121	. 8A45 E5	mov al, byte ptr ss:[ebp-18]	
00B11124	. 3A45 8F	cmp al, byte ptr ss:[ebp-71]	
00B11127	. 0F85 C5000000	jnz serial_w,00B111F2	
00B1112D	. 8A55 96	mov dl, byte ptr ss:[ebp-6A]	
00B11130	. 3855 EE	cmp byte ptr ss:[ebp-12], dl	
00B11133	. 0F85 B9000000	jnz serial_w,00B111F2	
00B11139	. 8A45 E8	mov al, byte ptr ss:[ebp-18]	

on Find	그림 바꾸기/저장 넣기	폴이기 원본 그림으로	00B110EA . 68 8C21B100 push serial_w,00B1218C	ASCII "***** SERIAL WANTED *****"
			00B110EF . E8 2CFFFFFF call serial_w,00B11020	ASCII "SERIAL : "
			00B110F4 . 68 AC21B100 push serial_w,00B121AC	
			00B110F9 . E8 22FFFFFF call serial_w,00B11020	Arg3 = 0000001A
			00B110FE . 6A 1A push 1A	Arg2
			00B11100 . 8D45 DC lea eax, [local.9]	Arg1 = 00B121B8 ASCII "%s"
			00B11103 . 50 push eax	serial_w,00B11050
			00B11104 . 68 B821B100 push serial_w,00B121B8	
			00B11109 . E8 42FFFFFF call serial_w,00B11050	
			00B1110E . 8A45 DC mov al, byte ptr ss:[ebp-24]	
			00B11111 . 83C4 14 add esp, 14	
			00B11114 . C645 F5 00 mov byte ptr ss:[ebp-8], 0	
			00B11118 . 3A45 8E cmp al, byte ptr ss:[ebp-72]	
			00B1111B . 0F85 D1000000 jnz serial_w,00B111F2	
			00B11121 . 8A45 E5 mov al, byte ptr ss:[ebp-18]	
			00B11124 . 3A45 8F cmp al, byte ptr ss:[ebp-71]	
			00B11127 . 0F85 C5000000 jnz serial_w,00B111F2	
			00B1112D . 8A55 96 mov dl, byte ptr ss:[ebp-6A]	
			00B11130 . 3855 EE cmp byte ptr ss:[ebp-12], dl	
			00B11133 . 0F85 B9000000 jnz serial_w,00B111F2	
			00B11139 . 8A45 E8 mov al, byte ptr ss:[ebp-18]	
			00B1113C . 3A85 7CFFFFFF cmp al, byte ptr ss:[ebp-84]	
			00B11142 . 0F85 AA000000 jnz serial_w,00B111F2	
			00B11148 . 8A4D 8D mov cl, byte ptr ss:[ebp-73]	
			Stack ss:[010FFA42]=35 ('5')	
			al=61 ('a')	

이렇게 입력하면 입력 값을 cmp로 비교를 한다. 처음에 길이 체크도 하는데 적당히 때려 맞춰주면 된다.  
cmp로 비교를 하는데 문자들을 다 맞춰주면

5b'\*4fDCB693#ad9a==49fFDb 라는 문자열이 나온다.

flag = 5b'\*4fDCB693#ad9a==49fFDb

# hahaha 100p

770	110.900182758	192.168.254.173	192.168.254.169	ICMP	81 Echo (ping) reply	id=0xeb05, seq=0/0, ttl=64											
772	110.903000944	192.168.254.169	192.168.254.173	ICMP	581 Echo (ping) reply	id=0xeb05, seq=2816/11, ttl=64											
773	110.903269630	192.168.254.169	192.168.254.173	ICMP	362 Echo (ping) reply	id=0xeb05, seq=3072/12, ttl=64											
776	110.907769356	192.168.254.169	192.168.254.173	ICMP	581 Echo (ping) reply	id=0xeb05, seq=1536/6, ttl=64											
777	110.907927369	192.168.254.169	192.168.254.173	ICMP	362 Echo (ping) reply	id=0xeb05, seq=1792/7, ttl=64											
806	139.960131861	192.168.254.173	192.168.254.169	ICMP	73 Echo (ping) reply	id=0xeb05, seq=0/0, ttl=64											
807	139.963259755	192.168.254.169	192.168.254.173	ICMP	109 Echo (ping) reply	id=0xeb05, seq=3328/13, ttl=64											
808	139.963465528	192.168.254.169	192.168.254.173	ICMP	109 Echo (ping) reply	id=0xeb05, seq=2048/8, ttl=64											
827	144.355590177	192.168.254.173	192.168.254.169	ICMP	74 Echo (ping) reply	id=0xeb05, seq=0/0, ttl=64											
Internet Control Message Protocol																	
Type: 0 (Echo (ping) reply)																	
Code: 0																	
Checksum: 0x2920 [correct]																	
[Checksum Status: Good]																	
Identifier (BE): 60165 (0xeb05)																	
Identifier (LE): 1515 (0x05eb)																	
Sequence number (BE): 3072 (0x0c00)																	
Sequence number (LE): 12 (0x000c)																	
▼ Data (320 bytes)																	
Data: 000...																	
[Length: 320]																	
b0	20	69	73	20	75	73	65	64	20	69	6e	20	62	6f	74	68	is used in both
c0	20	77	69	72	65	64	20	6e	65	74	77	6f	72	6b	73	20	wired networks
d0	61	6e	64	20	77	69	72	65	6c	65	73	73	20	63	6f	6d	and wire less com
e0	6d	75	6e	69	63	61	74	69	6f	6e	73	5b	32	5d	2e	22	munications[2]."
f0	0a	0a	73	6f	20	6d	79	20	6d	65	73	73	61	67	65	20	.so my message
l00	69	73	20	22	4f	47	59	31	4e	54	5a	6c	59	54	4d	33	is "OGY1 NTZLYTM3
l10	4d	57	51	79	59	54	4e	6c	4e	32	55	77	4e	6a	59	79	MWQyYTNl N2UwNjYy
L20	5a	57	49	79	5a	54	42	68	5a	44	6c	68	4e	6d	55	33	ZWIYZTBH ZDlhNmU4
L30	4e	44	6b	32	4d	57	49	32	4f	57	49	33	4d	54	4d	34	Ndk2MWI2 OWI3MTM4
L40	4d	47	49	33	4d	44	63	35	4d	7a	46	69	5a	6d	49	35	MGt3MDc5 MzFiZWIs
L50	59	6d	4a	6d	4a	6a	63	7a	4e	67	3d	3d	22	0a	0a	2d	YmJmMjc Ng=="..-
L60	57	69	6b	69	70	65	64	69	61	0a							Wikipedi a.

icmp 통신은 값이 다 보여서 잘 찾아보면 위와 같은 통신을 하는 것을 찾을 수 있다.

rt channel is mainly attributed to the computer networks, covert communication is a more general word that is used in both wired networks and wireless communications[2]."

so my message is "0GY1NTZLYTM3MwQyYTN1N2UwNjYyZWlYzTBhZDlhNmU3NDk2MwI2OWI3MTM4MGI3MDC5MZFjZmI5YmJmMjcZNg=="

-Wikipedia

=이 붙어 base64로 추측하고 decode하게 되면  
8f556ea371d2a3e7e0662eb2e0ad9a6e74961b69b71380b707931bfb9bbf2736 라는 해쉬가 나오게 된다.

```
>>> len("8f556ea371d2a3e7e0662eb2e0ad9a6e74961b69b71380b707931bfb9bbf2736")
64
```

64바이트기 때문에 sha256을 추측할 수 있었고, 디코드 하면 아래와 같이 플래그가 나온다

Decoded value:

Select Decoded Value

C0v3rt\_i\$\_\$0\_amaz1ng:-)

# UUU 150p

```
AGGGUUUUUAGCAUGCCUCUUGAGGGCCAGCGAAUUAUAGUAGAGGAGGUGGAACGCUACGACGCUUAUGCAUCUCACGCCCCCCCCCAUAUGAUGCUUACUACGGGAACUUGCCACGGAG
```

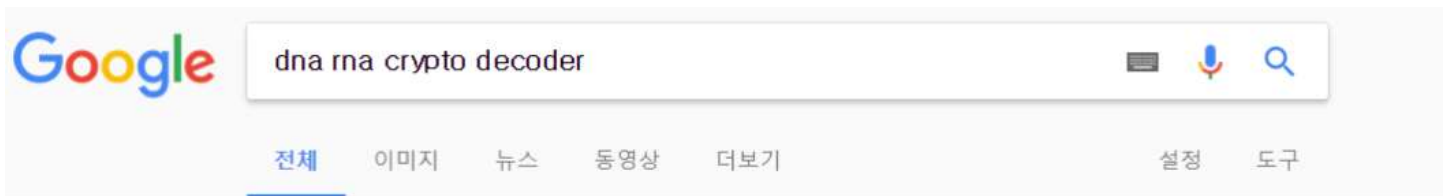
그냥 이상한 평문인줄 알았더니 제목인 UUU로 한번 잘라보면

```
AGGG
UUU
UUAGCAUGCCUCUUGAGGGCCAGCGAAUUAUAGUAGAGGAGGUGGAACGCUACGACGCUUAUGCAUCUCACGCCCCCCCCAUAUGAUGCUUACUACGGGAACUUGCCACGGAG
```

위가 4자리여서 3자리로 맞춰주자

```
AGG
GUU
UUU
AGCAUGCCUCUUGAGGGCCAGCGAAUUAUAGUAGAGGAGGUGGAACGCUACGACGCUUAUGCAUCUCACGCCCCCCCAUAUGAUGCUUACUACGGGAACUUGCCACGGAG
```

A U G C 4개의 알파벳만 있고 3자리씩 끊으니 dna rna 구조같았다.



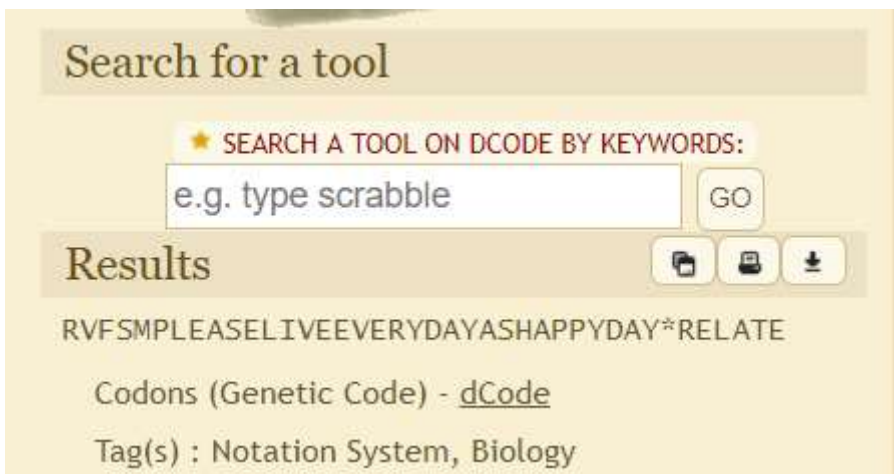
검색결과 약 93,100개 (0.39초)

**DNA RNA Codons Translator - Genetic Code - Decoder, Encoder**

[www.dcode.fr/codons-genetic-code](http://www.dcode.fr/codons-genetic-code) 이 페이지 번역하기

What are the variants of the codon based **cipher**?(으)로 이동 - It is possible to encode either **RNA** codons or ... decrypt, encrypt, decipher, **cipher**, **decode**, ...

검색하니 디코더가 나와서 복호화 해준다

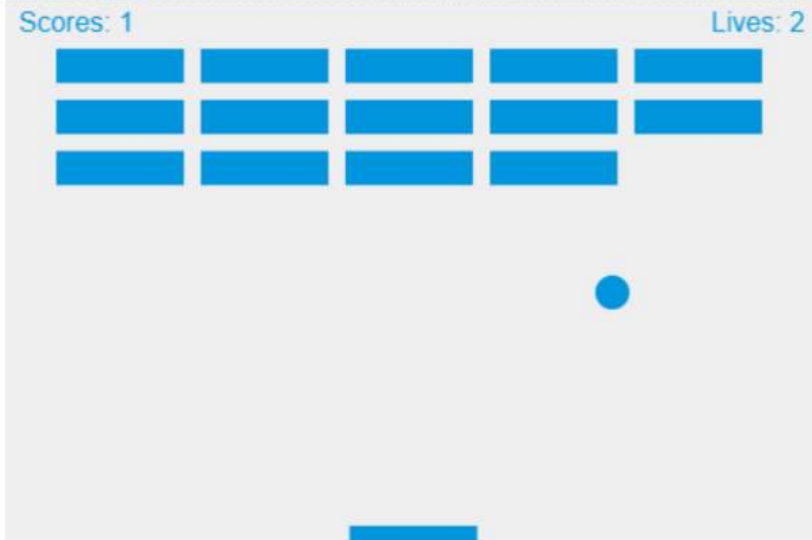


RVFSMPLEASSELIVEEVERYDAYASHAPPYDAY\*RELATE 라는 문자열이 나오는데  
인증하면서 때려 맞춰 풀었다.

flag = PLEASELIVEEVERYDAYASHAPPYDAY



# Why So Serious? 150p



```
<script>
var e1="lo";var e2="rel";var e3="ion";var e4="ef";var e5="cat";var e6="oad";var e7="hr";var e8="hei";var e9="key";var e10="Code";var e11="Lis";var e12="th";var e13="Sty";var e14="Char";var e15="add";var e16="ght";var
e17="le";var e18="fo";var e19="Eve";var e20="wid";var e21="from";var e22="nt";var e23="ner";var e24="nt";var e25="fill";var e26="te";var e27="nt8";var e28="t0o";var e29="ge";var e30="yld";var e31="nte";var e32="teI";var
e33="xt";var e34="eme";var e35="ntX";var e36="fse";var e37="ePa";var e38="tle";var e39="tus";var e40="Text";var e41="arc";var e42="clie";var e43="rRe";var e44="rect";var e45="nPa";var e46="ft";var e47="sta";var e48="ct";var
e49="begi";var e50="clos";var e51="of";var e52="clea";var e53="PI";var cn=document[e29+e32+e34+e27+e30]("myCanvas");var ctx=cn[e29+e28+e31+e33]("2d");var br=10;var x=cn[e20+e12]/2;var y=cn[e8+e16]-30;var dx=2;var dy=-2;var
ph=10;var pw=75;var px=(cn[e20+e12]-pw)/2;var rp=false;var lp=false;var al=5;var a2=3;var a3=75;var a4=20;var a5=10;var a6=30;var a7=30;var a8=0;var a9=3;var a10=[];for(c=0;c<a2;c++){a10[c]=[];for(r=0;r<a1;r++){a10[c][r]=
(x/0,y/0,status:1)};document[e15+e19+e24+e11+e26+e23](f2(82)+f2(92)+f2(64)+f2(88)+f2(93)+f2(86)+f2(78)+f2(97),f1,false);document[e15+e19+e24+e11+e26+e23](f2(82)+f2(92)+f2(64)+f2(78)+f2(73),f3,false);document[e15+e19+e24+e11+e26+e23]
(f2(84)+f2(86)+f2(78)+f2(74)+f2(92)+f2(84)+f2(86)+f2(79)+f2(92),f4,false);function f1(e){if(e[e8+e10]==39){rp=true};else if(e[e8+e10]==37){lp=true};function f2(e){return String[e2+e14+e10](e*57)};function f3(e)
{if(e[e8+e10]==39){rp=false};else if(e[e8+e10]==37){lp=false};function f4(e){var relativeX=e[e42+e35]-cn[e51+e36+e38+e46];if(relativeX>0&&relativeX<cn[e20+e12]){px=relativeX*pw/2}};function f5(){for(c=0;c<a2;c++){
for(r=0;r<a1;r++){var b=a10[c][r];if(b[e47+e39]==1){if(x>b.x&&y<b.y&&y<b.y+a4){dy=-dy;b[e47+e39]=0;a8++;if(a8==a1*a2){var e54=((a8==a1*a2)?f6():f7());eval(e54)}}}}function f6()
{alert(f2(96)+f2(118)+f2(108)+f2(25)+f2(110)+f2(112)+f2(119)+f2(21)+f2(25)+f2(122)+f2(118)+f2(119)+f2(126)+f2(107)+f2(120)+f2(109)+f2(106)+f2(24));document[e1+e5+e3][e2+e6]();function f7(){document[e1+e5+e3]
(e7+e4)=f2(13)+f2(15)+f2(10)+f2(8)+f2(14)+f2(9)+f2(11)+f2(10)+f2(93)+f2(9)+f2(93)+f2(12)+f2(12)+f2(88)+f2(23)+f2(73)+f2(81)+f2(73);
(x,y,br,0,Math[e53]*2);ctx[e25+e13+e17]="#0095DD";ctx[e25]();ctx[e50+e37+e12]();function f9(){ctx[e49+e45+e12]();ctx[e44](px,cn[e8+e16]-ph,pw,ph);ctx[e25+e13+e17]="#0095DD";ctx[e25+e40]
{for(c=0;c<a2;c++){for(r=0;r<a1;r++){if(a10[c][r][e47+e39]==1){var brickX=(a3+a5)*a7;var brickY=(a4+a5)*a8;a10[c][r].x=brickX;a10[c][r].y=brickY;ctx[e49+e45+e12]();ctx[e44]
(brickX,brickY,a9,a4);ctx[e25+e13+e17]="#0095DD";ctx[e25]();ctx[e50+e37+e12]();}}function f10(){ctx[e18+e22]="18px Arial";ctx[e25+e13+e17]="#0095DD";ctx[e25+e40]
(f2(106)+f2(30)+f2(86)+f2(75)+f2(92)+f2(74)+f2(3)+f2(25)+a8,8,20);function f11(){ctx[e18+e22]="18px Arial";ctx[e25+e13+e17]="#0095DD";ctx[e25+e40]
(f2(117)+f2(80)+f2(78)+f2(92)+f2(74)+f2(3)+f2(25)+a9,cn[e20+e12]-65,20);function f12(){ctx[e52+e43+e48](0,0,cn[e20+e12],cn[e8+e16]);f10();f8();f9();f11();f12();f5();if(x>dx>cn[e20+e12]-br){x=dx;dx=dx;if(y>dy>br){dy=dy;dy=dy;else if(y>dy>cn[e8+e16]-br){if(x>px&&y<px+pw){dy=dy;dy=dy;else if(a9)
{alert(f2(126)+f2(120)+f2(116)+f2(124)+f2(25)+f2(118)+f2(111)+f2(124)+f2(107));document[e1+e5+e3][e2+e6]();else{x=cn[e20+e12]/2;y=cn[e8+e16]-30;dx=3;dy=-3;px=cx[cn[e20+e12]-pw]/2}};if(rp&&lp<cn[e20+e12]-pw){px+=7;}else
if(lp&&px>0){px-=7};x+=dx;y+=dy;requestAnimationFrame(f13)};f13();
if(c>0){c++}
</script>
```

canvas와 js를 이용한 게임이다.

보기 좋게 해주자

```
function f6() {
    alert(f2(96) + f2(118) + f2(108) + f2(25) + f2(110) + f2(112) + f2(119) + f2(21) + f2(25) + f2(122) + f2(118) + f2(119) + f2(126) + f2(107) + f2(120) + f2(109) + f2(106) + f2(24));
    document[e1 + e5 + e3][e2 + e6]();
}

function f7() {
    document[e1 + e5 + e3][e7 + e4] = f2(13) + f2(15) + f2(10) + f2(8) + f2(14) + f2(9) + f2(11) + f2(10) + f2(93) + f2(9) + f2(93) + f2(12) + f2(12) + f2(88) + f2(23) + f2(73) + f2(81) + f2(73);
}

function f8() {
    ctx[e49 + e45 + e12]();
    ctx[e41](x, y, br, 0, Math[e53] * 2);
    ctx[e25 + e13 + e17] = "#0095DD";
    ctx[e25]();
    ctx[e50 + e37 + e12]();
}

function f9() {
    ctx[e49 + e45 + e12]();
    ctx[e44](px, cn[e8 + e16] - ph, pw, ph);
    ctx[e25 + e13 + e17] = "#0095DD";
    ctx[e25]();
    ctx[e50 + e37 + e12]();
}
```

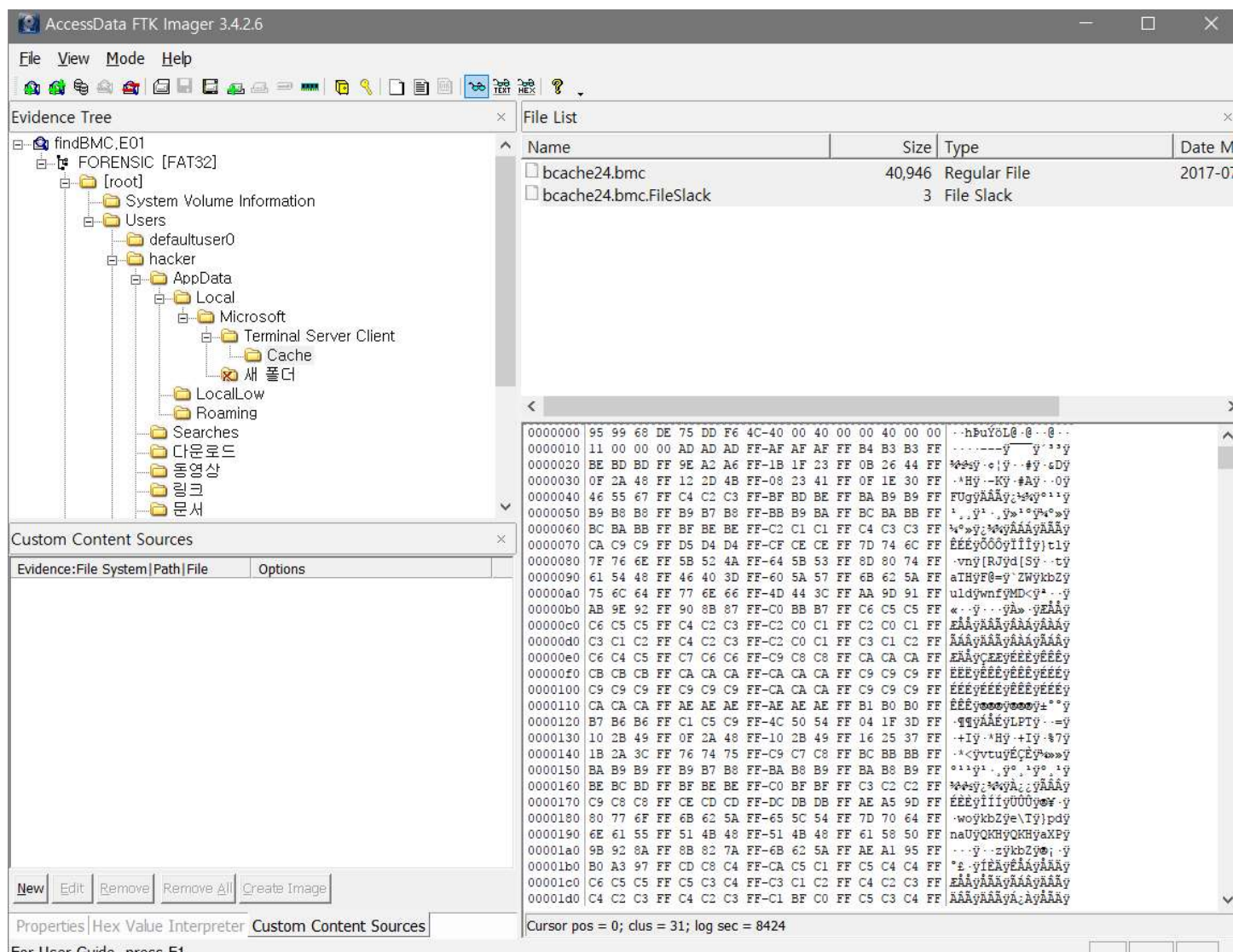
크롬 개발자도구 콘솔에서 함수들을 실행해 보았다

```
function f7() {
    document[e1 + e5 + e3][e7 + e4] = f2(13) + f2(15) + f2(10) + f2(8) + f2(14) + f2(9) + f2(11) + f2(10) + f2(93) + f2(9) + f2(93) + f2(12) + f2(12) + f2(88) + f2(23) + f2(73) + f2(81) + f2(73);
}
```

f6에서는 게임 클리어 함수, f7()함수에서 플래그가 실행되는 것을 알 수 있다.

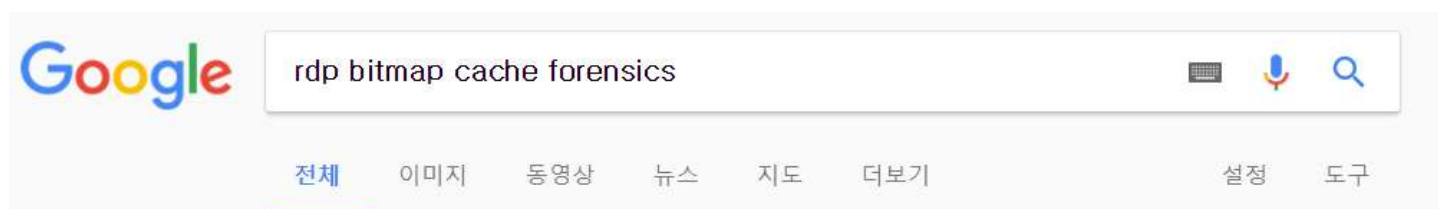
Congrats! The flag is J4V4SCR1PT\_1S\_2ASY\_T00\_CR4CK

# artifact 150p



bmc파일을 찾아보니 아래와 같다고 한다.

## .bmc 의 확장 파일 (Bitmap Cache File)



검색결과 약 26,900개 (0.43초)

[GitHub - ANSSI-FR/bmc-tools: RDP Bitmap Cache parser](https://github.com/ANSSI-FR/bmc-tools)

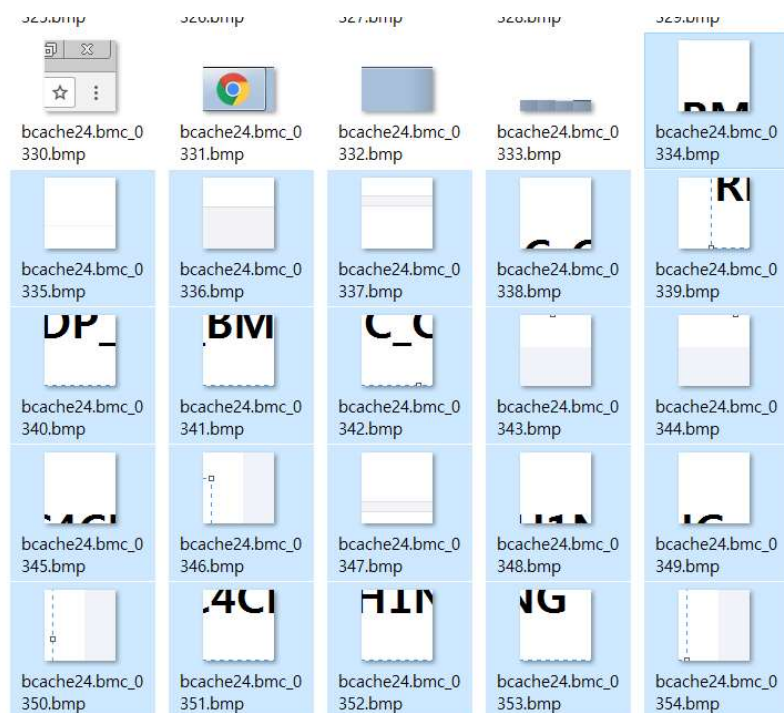
<https://github.com/ANSSI-FR/bmc-tools> 이 페이지 번역하기

RDP Bitmap Cache parser. Contribute to bmc-tools development by creating an account on GitHub.

지문에서 주어지는 원격이라는 rdp와 위에서 얻은 bitmap cache를 조합해 검색하여 틀을 찾은 후

```
sori@tegra-ubuntu:~/bmc$ python bmc-tools.py -d /home/sori/bmc/resource/ -s bcache24.bmc
[++] Processing a single file: 'bcache24.bmc'.
[===] Successfully exported 2556 files.
sori@tegra-ubuntu:~/bmc$ ls
bcache24.bmc  bmc-tools.py  resource
sori@tegra-ubuntu:~/bmc$ cd resource/
sori@tegra-ubuntu:~/bmc/resource$ ls
bcache24.bmc_0000.bmp  bcache24.bmc_0366.bmp  bcache24.bmc_0732.bmp  bcache24.bmc_1098.bmp  bcache24.bmc_1464.bmp  bcache24.bmc_1830.bmp  bcache24.bmc_2196.bmp
bcache24.bmc_0001.bmp  bcache24.bmc_0367.bmp  bcache24.bmc_0733.bmp  bcache24.bmc_1099.bmp  bcache24.bmc_1465.bmp  bcache24.bmc_1831.bmp  bcache24.bmc_2197.bmp
bcache24.bmc_0002.bmp  bcache24.bmc_0368.bmp  bcache24.bmc_0734.bmp  bcache24.bmc_1100.bmp  bcache24.bmc_1466.bmp  bcache24.bmc_1832.bmp  bcache24.bmc_2198.bmp
```

사용하면 이렇게 파일들이 나오게 된다



수상한 파일들만 따로 뽑아서 모양을 맞춰보면  
RDP\_BMC\_C4CH1NG 라는 문자가 나온다



# suspicious file 150p

No.	Time	Source	Destination	Protocol	Length	Info
4864	44.467149	192.168.174.144	172.104.106.149	FTP	67	Request: RETR 2.docx
4871	44.533764	172.104.106.149	192.168.174.144	FTP	121	Response: 150 Opening BINARY mode data connection for 2.docx (22614 bytes).
4892	44.599599	172.104.106.149	192.168.174.144	FTP	78	Response: 226 Transfer complete.
4893	44.618340	192.168.174.144	172.104.106.149	FTP	62	Request: TYPE I
4895	44.651662	172.104.106.149	192.168.174.144	FTP	85	Response: 200 Switching to Binary mode.
4896	44.652101	192.168.174.144	172.104.106.149	FTP	60	Request: PASV
4898	44.685990	172.104.106.149	192.168.174.144	FTP	108	Response: 227 Entering Passive Mode (172,104,106,149,174,148).
4899	44.686719	192.168.174.144	172.104.106.149	FTP	67	Request: RETR 4.docx
4912	44.753699	172.104.106.149	192.168.174.144	FTP	121	Response: 150 Opening BINARY mode data connection for 4.docx (16063 bytes).
4923	44.820687	172.104.106.149	192.168.174.144	FTP	78	Response: 226 Transfer complete.
8088	74.209725	192.168.174.144	172.104.106.149	FTP	62	Request: TYPE A
8109	74.242719	172.104.106.149	192.168.174.144	FTP	84	Response: 200 Switching to ASCII mode.
8301	79.676176	192.168.174.144	172.104.106.149	FTP	62	Request: TYPE I
8303	79.709139	172.104.106.149	192.168.174.144	FTP	85	Response: 200 Switching to Binary mode.
8304	79.709500	192.168.174.144	172.104.106.149	FTP	60	Request: PASV
8306	79.743424	172.104.106.149	192.168.174.144	FTP	108	Response: 227 Entering Passive Mode (172,104,106,149,107,109).
8307	79.744129	192.168.174.144	172.104.106.149	FTP	67	Request: RETR 3.docx
8323	79.810895	172.104.106.149	192.168.174.144	FTP	121	Response: 150 Opening BINARY mode data connection for 3.docx (17359 bytes).
8331	79.877252	172.104.106.149	192.168.174.144	FTP	78	Response: 226 Transfer complete.
9408	99.019488	192.168.174.144	172.104.106.149	FTP	62	Request: TYPE I
9410	99.053288	172.104.106.149	192.168.174.144	FTP	85	Response: 200 Switching to Binary mode.
9411	99.053605	192.168.174.144	172.104.106.149	FTP	60	Request: PASV
9413	99.086569	172.104.106.149	192.168.174.144	FTP	107	Response: 227 Entering Passive Mode (172,104,106,149,96,186).
9414	99.087352	192.168.174.144	172.104.106.149	FTP	67	Request: RETR 1.docx
9420	99.154679	172.104.106.149	192.168.174.144	FTP	121	Response: 150 Opening BINARY mode data connection for 1.docx (39720 bytes).

와이어샤크로 열어보면 ftp로 파일을 다운로드 한 목록을 볼 수 있다  
네트워크 포렌식 툴인 Network-Miner로 파일을 내려 받을 수 있다.

NetworkMiner 1.6.1

File Tools Help

--- Select a network adapter in the list ---

Hosts (168) Frames (10xxx) Files (401) Images (104) Messages Credentials (112) Sessions (281) DNS (465) Parameters (13368) Keywords Cleartext Anomalies

Frame nr.	Reconstructed file path	Sourc...	S. port	Destination host	D. port	Protocol	Filename	Exten...	Size	Times...	Details
4867	C:\Wcg\Wuspicious_files\Net...	172.10...	TCP 3...	192.168.174.144 (Windows)	TCP 51552	FTP	2.docx	docx	22 614 B	2017-0...	RETR ...
4902	C:\Wcg\Wuspicious_files\Net...	172.10...	TCP 4...	192.168.174.144 (Windows)	TCP 51553	FTP	4.docx	docx	16 063 B	2017-0...	RETR ...
8310	C:\Wcg\Wuspicious_files\Net...	172.10...	TCP 2...	192.168.174.144 (Windows)	TCP 51649	FTP	3.docx	docx	17 359 B	2017-0...	RETR ...
9418	C:\Wcg\Wuspicious_files\Net...	172.10...	TCP 2...	192.168.174.144 (Windows)	TCP 51669	FTP	1.docx	docx	39 720 B	2017-0...	RETR ...

저 파일들을 모두 열어보면

- 1.docx : VGtScVEzTkVWWGhL
- 2.docx : ZWtWNFRHcEphVIJw
- 3.docx : UVhsM2NrRjVUVU5q
- 4.docx : TVU5VE5ESkphMVU5

네 개의 문자열을 합쳐서 base64로 계속 돌리면  
48°51'11.2"N 2°20'59.6"E 라는 좌표가 나오게 된다.

Google

48°51'11.2"N 2°20'59.6"E

전체

지도

이미지

동영상

뉴스

더보기

설정

도구

검색결과 약 8개 (0.30초)

flag = cathedralenotredamedeparis

# mommy is detective! 100p

Application.evtx 파일을 열어 로그를 분석해보면 아래와 같이 나온다.

The screenshot displays the Windows Event Viewer interface. The top pane shows a list of events under the 'Application' log. The bottom pane shows the details of a selected event.

이벤트	날짜	시간	소스	ID	상태
정보	2017-07-18	오전 2:24:21	MsiInstaller	11724	없음
정보	2017-07-18	오전 2:24:21	RestartManager	10001	없음
정보	2017-07-18	오전 2:27:19	VSS	8224	없음
정보	2017-07-18	오전 2:27:42	LoadPerf	1001	없음
정보	2017-07-18	오전 2:27:42	LoadPerf	1000	없음

이벤트 11724, MsiInstaller

일반 자세히

제품: League of Legends -- 제거가 완료되었습니다.

이벤트 11707, MsiInstaller

일반 자세히

제품: League of Legends -- 설치가 완료되었습니다.

flag = 2017-07-14-18-15-36\_2017-07-18-02-24-21