

# 网鼎杯2020php反序列化,2020-网鼎杯(青龙组)\_Web题目 AreUSerialz Writeup

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关于s大写小写问题,可以看p神在圈子里发的,我在最后附上截图

考点: php反序列化 php特性 利用链构造



1.打开页面得到代码如下:

```
include("flag.php");
highlight_file(__FILE__);
class FileHandler {
protected $op;
protected $filename;
protected $content;
function __construct() {
$op = "1";
$filename = "/tmp/tmpfile";
$content = "Hello World!";
$this->process();
}
```

```
public function process() {
    if($this->op == "1") {
        $this->write();
    } else if($this->op == "2") {
        $res = $this->read();
        $this->output($res);
    } else {
        $this->output("Bad Hacker!");
    }
}

private function write() {
    if(isset($this->filename) && isset($this->content)) {
        if(strlen((string)$this->content) > 100) {
            $this->output("Too long!");
            die();
        }
        $res = file_put_contents($this->filename, $this->content);
        if($res) $this->output("Successful!");
        else $this->output("Failed!");
    } else {
        $this->output("Failed!");
    }
}

private function read() {
    $res = "";
    if(isset($this->filename)) {
        $res = file_get_contents($this->filename);
    }
    return $res;
}

private function output($s) {
```

```

echo "[Result]:
";

echo $s;

}

function __destruct() {
if($this->op === "2")
$this->op = "1";
$this->content = "";
$this->process();
}
}

function is_valid($s) {
for($i = 0; $i < strlen($s); $i++)
if(!(ord($s[$i]) >= 32 && ord($s[$i]) <= 125))
return false;
return true;
}

if(isset($_GET['str'])) {
$str = (string)$_GET['str'];
if(is_valid($str)) {
$obj = unserialize($str);
}
}
}

```

2.简单看下代码,反序列化操作,protect里面可控:

01.自己构造一下利用链,主要是绕过 is\_vaild 函数,它规定了序列化内容中只能包含ascii可见字符,如果出现其他的字符则会返回false

```

function is_valid($s) {
    for($i = 0; $i < strlen($s); $i++)
        if(!(ord($s[$i]) >= 32 && ord($s[$i]) <= 125))
            return false;
    return true;
}

```





