

A file upload vulnerability exists in the background

0.Vulnerability introduction

GXCMS V1.5 has a file upload vulnerability in the background. The vulnerability is the template management page. You can edit any template content and then rename to PHP suffix file, after calling PHP file can control the server.

Distribute CVE numbers:CVE-2022-30007

1.Environment construction

Built with PHPStudy2014 (Nginx+PHP5.3) and Ray CMS1.5.

Download from <http://www.gxcms.org/>



Put the website source code into the website root directory, access the address installation:

光线影视内容管理系统1.5 安装向导

1. 许可协议 > 2. 环境检测 > 3. 数据库设置 > 4. 安装完成

安装设置:

安装目录 自动检测一般不需要修改,结尾必需加斜杆 '/'	<input type="text" value="/"/>
服务器地址 一般为localhost	<input type="text" value="localhost"/>
数据库端口 请填写MYSQL数据库使用的端口	<input type="text" value="3306"/>
数据库用户名 一般为root	<input type="text" value="root"/>
数据库密码 密码尽量不要设为空	<input type="password" value="...."/>
数据库名称 请填写已存在的数据库名	<input type="text" value="gxcms"/>
数据库表前缀 一般不用修改	<input type="text" value="gx_"/>

<< 上一步 下一步 >>

Powered By 光线影视内容管理系统 1.5

192.168.19.131

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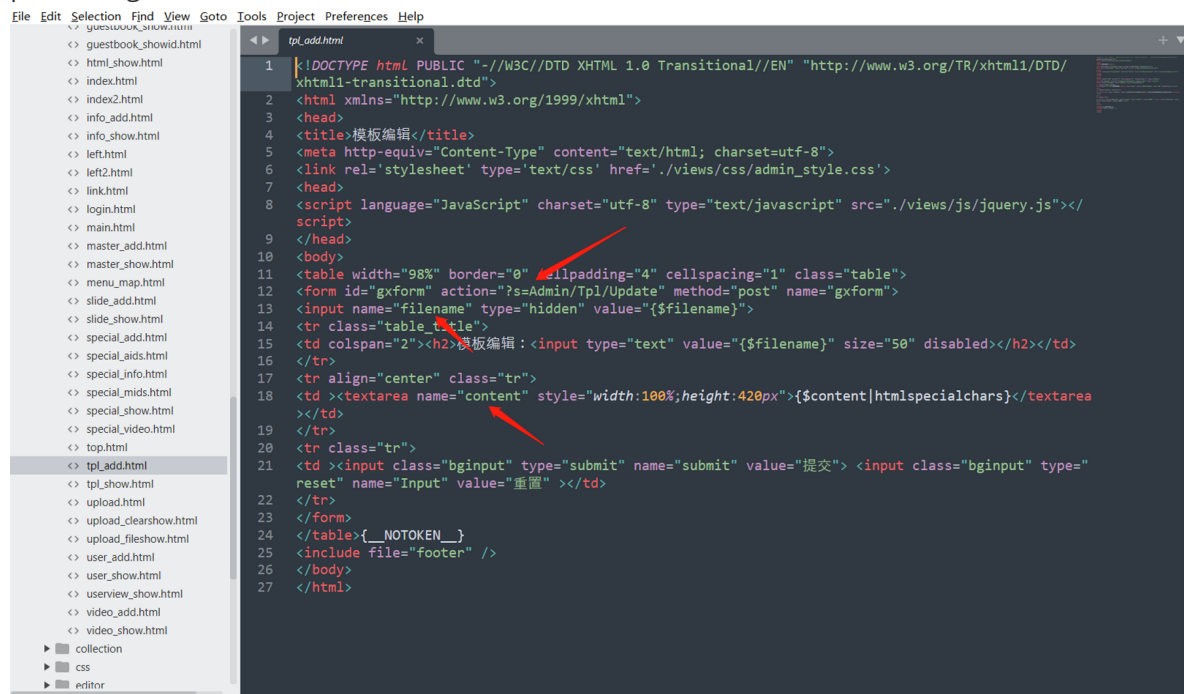
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2.Vulnerability code audit

The vulnerability appears in the background template management page:

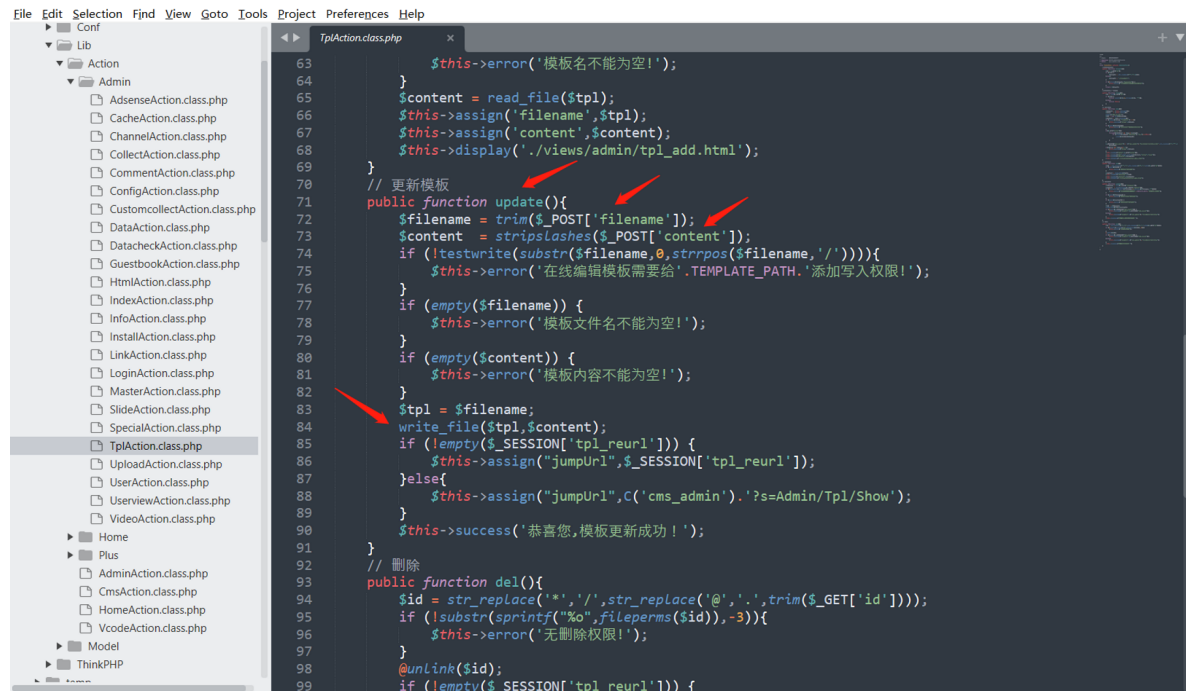


Audit the page source /views/admin/tpl_add.html file, see the filename received by filename file content received by content, and then pass the data to the POST. s=Admin/Tpl/Update page processing:



Track them down? S = Admin/Tpl/Update page source/core/Lib/Action/Admin/TplAction class. PHP file, see the Update function to receive the filename and the content variables, only after receiving the two variables for judging whether it is empty, The file name and file contents are not detected with dangerous characters, and data is directly written to the file using the write_file

function, which means that there is any file upload vulnerability.



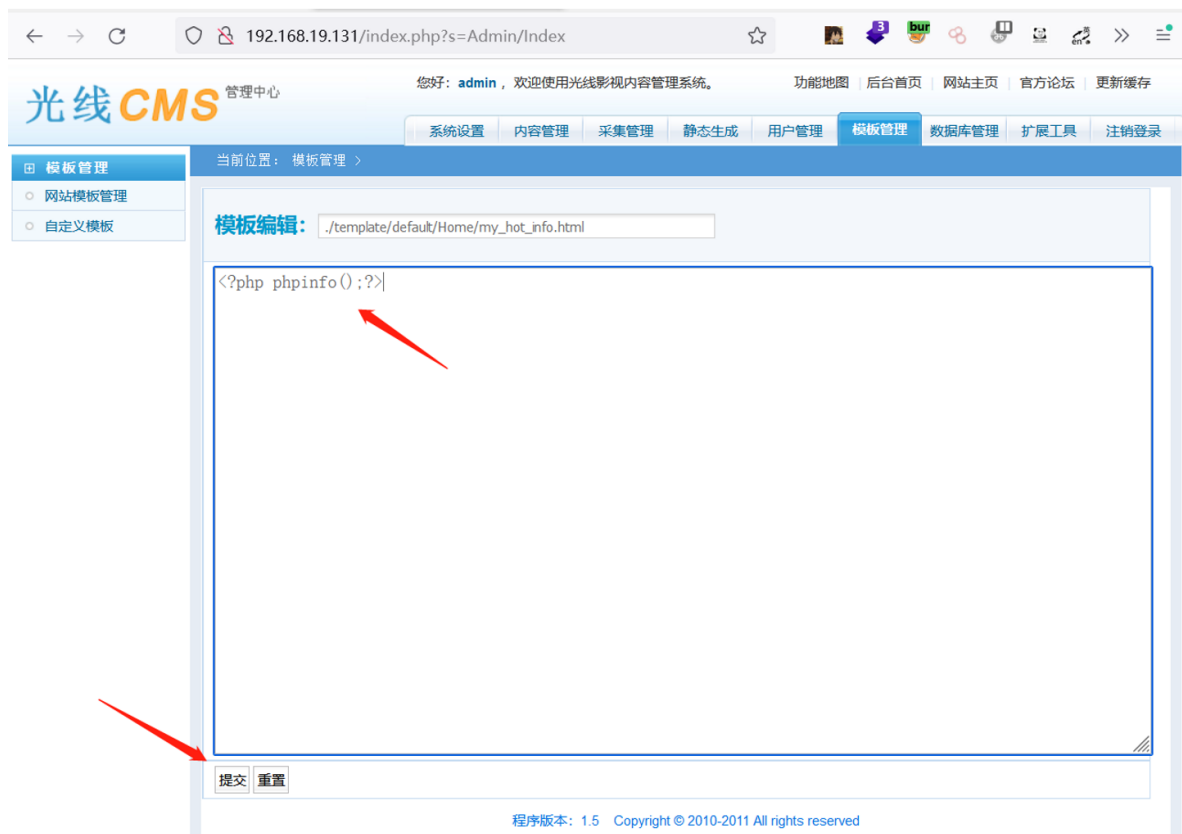
```
63 $this->error('模板名不能为空!');
64 }
65 $content = read_file($tpl);
66 $this->assign('filename',$tpl);
67 $this->assign('content',$content);
68 $this->display('./views/admin/tpl_add.html');
69 }
70 // 更新模板
71 public function update(){
72     $filename = trim($_POST['filename']);
73     $content = stripslashes($_POST['content']);
74     if (!testwrite(substr($filename,0,strrpos($filename,'/')))){
75         $this->error('在线编辑模板需要给'.TEMPLATE_PATH.'添加写入权限!');
76     }
77     if (empty($filename)) {
78         $this->error('模板文件名不能为空!');
79     }
80     if (empty($content)) {
81         $this->error('模板内容不能为空!');
82     }
83     $tpl = $filename;
84     write_file($tpl,$content);
85     if (!empty($_SESSION['tpl_reurl'])) {
86         $this->assign('jumpUrl',$_SESSION['tpl_reurl']);
87     }else{
88         $this->assign('jumpUrl',C('cms_admin').'?s=Admin/Tpl/Show');
89     }
90     $this->success('恭喜你,模板更新成功!');
91 }
92 // 删除
93 public function del(){
94     $id = str_replace('*', '/', str_replace('@', '.', trim($_GET['id'])));
95     if (!substr(sprintf("%o", fileperms($id)), -3)){
96         $this->error('无删除权限!');
97     }
98     @unlink($id);
99     if (!empty($_SESSION['tpl_reurl'])) {
```

3. Exploit the vulnerability

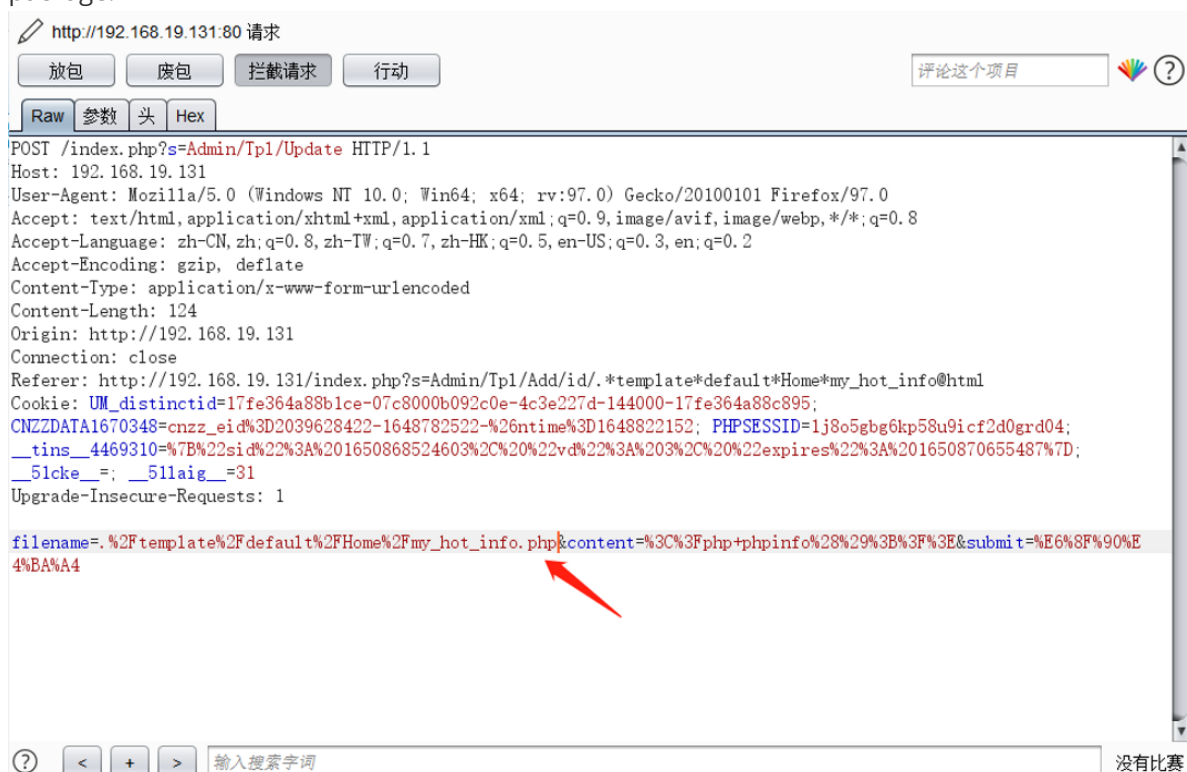
Log in to the background of the target website through admin default password admin888 or password blasting or even phishing, click template management to enter the /template/default/Home directory, select any file and click edit:



Enter the editing page, enter the php test code in the file content form, start BurpSuite tool to capture the package, and click Submit:



BurpSuite after catching the package, change the filename suffix to php, and then click Put package:



Back to the background website template management, see the successful creation of my_hot_info.php file, visit the file page to see the successful execution of php test code:

← → ↺

192.168.19.131/index.php?s=Admin/Index

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光线CMS

管理中心

您好: admin, 欢迎使用光线影视内容管理系统。

功能地图 | 后台首页 | 网站主页 | 官方论坛 | 更新缓存

系统设置 | 内容管理 | 采集管理 | 静态生成 | 用户管理 | 模板管理 | 数据库管理 | 扩展工具 | 注销登录

模板管理

当前位置: 模板管理 >

网站模板管理

自定义模板

上级目录 当前目录: ./template/default/Home

文件名	文件描述	文件大小	修改时间	操作
my_hot_info.php	自定义模板文件	18 B	2022-04-25 15:26:53	编辑 删除
my_hot_info.html	自定义模板文件	18 B	2022-04-25 10:31:46	编辑 删除
video_detail.html	影视内容页模板	5.13 KB	2012-03-26 15:44:52	编辑 删除
header.html	模板头文件	2.14 KB	2011-10-21 14:23:00	编辑 删除
guestbook.html	留言板模板	3.57 KB	2011-10-21 14:23:00	编辑 删除
video_play.html	影视播放页模板	5.09 KB	2011-10-21 14:23:00	编辑 删除

192.168.19.131/template/default/Home/my_hot_info.php

PHP Version 5.3.29



System	Windows NT USER2 5.2 build 3790 (Windows Server 2003 Enterprise Edition Service Pack 2) i586
Build Date	Aug 15 2014 19:01:45
Compiler	MSVC9 (Visual C++ 2008)
Architecture	x86
Configure Command	cscript /nologo configure.js "--enable-snapshot-build" "--enable-debug-pack" "--disable-zts" "--disable-isapi" "--disable-nsapi" "--without-mssql" "--without-pdo-mssql" "--without-pi3web" "--with-pdo-oci=C:\php-sdk\oracle\instantclient10\sdk,shared" "--with-oci8=C:\php-sdk\oracle\instantclient10\sdk,shared" "--with-oci8-11g=C:\php-sdk\oracle\instantclient11\sdk,shared" "--with-enchant=shared" "--enable-object-out-dir=../obj/" "--enable-com-dotnet=shared" "--with-mcrypt=static" "--disable-static-analyze"
Server API	CGI/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	C:\phpfind\phpa\php.ini