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[CVE-2026-26477]Unauthenticated Denial of Service via Directory Traversal in DokuWiki 2025-05-14b "Librarian" #94

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Hebing123 opened on Jan 9 · edited by Hebing123

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Summary

An unauthenticated Denial of Service (DoS) vulnerability exists in DokuWiki's media upload functionality. Attackers can exploit improper handling of file names containing colon characters (:) to create deeply nested directory structures, exhausting server CPU resources and rendering the system unavailable.

Github: <https://github.com/dokuwiki/dokuwiki/releases/tag/release-2025-05-14b>

Vulnerability Description

The vulnerability resides in `inc/media.php` within the `media_upload_xhr()` function. When uploading files via the media manager, the `qqfile` parameter is directly used as the file identifier without validating directory depth. Colons in the filename are interpreted as directory separators (e.g., `qqfile=123:123.pdf` creates `123/123.pdf`). An attacker can craft payloads like `qqfile=123:123:....:123.pdf` (1000+ colons) to force recursive creation of 1000+ nested directories, causing CPU exhaustion due to filesystem operations.

Technical Details

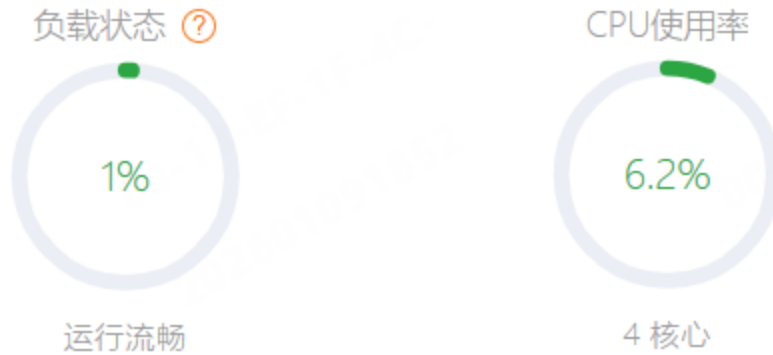
Vulnerable Code

```
// inc/media.php (media_upload_xhr function)
$id = $INPUT->get->str('qqfile');
[$ext, $mime] = mimetype($id);
...
$res = media_save(
```



Let's conduct the test using the character blocks in Burpsuite and insert a random number of ":1" into the "qqfile" parameter.

状态



The result is:

状态



Impact

Service Disruption: CPU exhaustion blocks all legitimate requests.

No Data Exfiltration: The vulnerability is limited to DoS.

INFO

I am not permitted to create questions on DokuWiki. So I created it here to conduct vulnerability alerts.

quests 86

Create new issue in dokuwiki/dokuwiki



Error

Failed to create the issue.

1,324



Hebing123 changed the title ~~Unauthenticated Denial of Service via Directory Traversal in DokuWiki 2025-05-14b "Librarian"~~ [CVE-2026-26477]Unauthenticated Denial of Service via Directory Traversal in DokuWiki 2025-05-14b "Librarian" on Feb 24

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Metadata

Assignees

No one assigned

Labels

No labels

Projects

No projects

Milestone

No milestone

Relationships

None yet

Development

Code with agent mode

No branches or pull requests

Participants



