

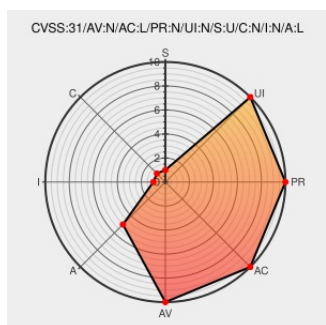


CVE-2020-12439

Published on: 05/05/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:23:35 PM UTC

CVE-2020-12439

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Grin](#) from [Grin](#) contain the following vulnerability:

Grin before 3.1.0 allows attackers to adversely affect availability of data on a Mimblewimble blockchain.

CVE-2020-12439 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.3 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	LOW

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Rework output_pos index (better txhashset transactional support) · Issue #3235 · mimblewimble/grin · GitHub	Issue Tracking Patch Third Party Advisory github.com text/html	CONFIRM github.com/mimblewimble/grin/issues/3235

Block input bitmap rework by antiochp · Pull Request #3236 · mimbiewimble/grin · GitHub

Patch

Third Party Advisory

github.com

text/html

CONFIRM

github.com/mimbiewimble/grin/pull/3236

grin-security/CVE-2020-12439.md at master · mimbiewimble/grin-security · GitHub

Third Party Advisory

github.com

text/html

CONFIRM

github.com/mimbiewimble/grin-security/blob/master/CVEs/CVE-2020-12439.md

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Grin	Grin	All	All	All	All
Application	Grin	Grin	All	All	All	All

cpe:2.3:a:grin:grin:*.***.***.***

cpe:2.3:a:grin:grin:*.***.***.***

No vendor comments have been submitted for this CVE

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