



CVE-2018-19160

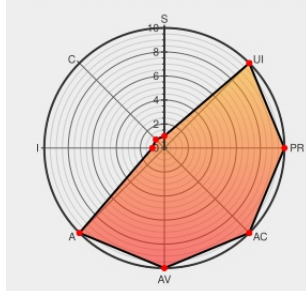
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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



Certain versions of [Diamond](#) from [Bit.diamonds](#) contain the following vulnerability:

Diamond through 3.0.1.2 (a chain-based proof-of-stake cryptocurrency) allows a remote denial of service, exploitable by an attacker who acquires even a small amount of stake/coins in the system. The attacker sends invalid headers/blocks, which are stored on the victim's disk.

CVE-2018-19160 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

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
	Third Party Advisory	☐ MISC fc19.ifca.ai/preproceedings/180-preproceedings.pdf
	fc19.ifca.ai	
	application/pdf	

"Fake Stake" attacks on chain-based Proof-of-Stake cryptocurrencies

Third Party Advisory
medium.com
text/html

MISC medium.com/@dsl_uiuc/fake-stake-attacks-on-chain-based-proof-of-stake-cryptocurrencies-b8b05723f806

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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	Bit.diamonds	Diamond	All	All	All	All
cpe:2.3:a:bit.diamonds:diamond:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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