



# CVE-2018-19153

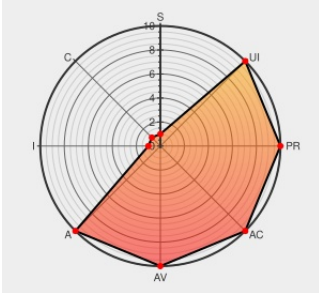
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## CVE-2018-19153

[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 [Particl](#) from [Particl](#) contain the following vulnerability:

particl through 0.17 (a chain-based proof-of-stake cryptocurrency) allows a remote denial of service. The attacker sends invalid headers/blocks. The attack requires no stake and can fill the victim's disk and RAM.

CVE-2018-19153 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    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **5 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>NONE</b>       | <b>PARTIAL</b>      |

## CVE References

| Description                                | Tags                                                                                                    | Link                                                                         |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
|                                            | <a href="#">Third Party Advisory</a><br><a href="#">fc19.ifca.ai</a><br><a href="#">application/pdf</a> | <a href="#">MISC fc19.ifca.ai/preproceedings/180-preproceedings.pdf</a>      |
| "Fake Stake" attacks on chain-based Proof- | <a href="#">Third Party Advisory</a>                                                                    | <a href="#">MISC medium.com/@dsl_uiuc/fake-stake-attacks-on-chain-based-</a> |

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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                          | <a href="#">Particl</a> | <a href="#">Particl</a> | All     | All    | All     | All      |
| cpe:2.3:a:particl:particl:*:*:*:*:*: |                         |                         |         |        |         |          |

No vendor comments have been submitted for this CVE

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