



# CVE-2018-13655

Published on: 07/09/2018 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:24:29 PM UTC

## CVE-2018-13655

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

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

The mintToken function of a smart contract implementation for GFC, an Ethereum token, has an integer overflow that allows the owner of the contract to set the balance of an arbitrary user to any value.

CVE-2018-13655 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>HIGH</b>         | <b>NONE</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>PARTIAL</b>    | <b>NONE</b>         |

## CVE References

| Description                                                          | Tags                                                                                            | Link                                                                            |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| EtherTokens/GFC at master · BlockChainsSecurity/EtherTokens · GitHub | <a href="#">Third Party Advisory</a><br><a href="#">github.com</a><br><a href="#">text/html</a> | <a href="#">MISC github.com/BlockChainsSecurity/EtherTokens/tree/master/GFC</a> |
| EtherTokens/mint integer                                             | <a href="#">Exploit</a>                                                                         | <a href="#">MISC</a>                                                            |

overflow.md at master ·  
BlockChainsSecurity/EtherTokens  
· GitHub

Third Party Advisory  
github.com  
text/html

github.com/BlockChainsSecurity/EtherTokens/blob/master/GEMCHAIN/mint%20int

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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="#">Gfcoin</a> | <a href="#">Gfcb</a> | -       | All    | All     | All      |
| Application | <a href="#">Gfcoin</a> | <a href="#">Gfcb</a> | -       | All    | All     | All      |

cpe:2.3:a:gfcoin:gfcb:-:\*:\*:\*:\*:\*:

cpe:2.3:a:gfcoin:gfcb:-:\*:\*:\*:\*:\*:

No vendor comments have been submitted for this CVE

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