



# CVE-2018-13464

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## CVE-2018-13464

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

Certain versions of [T-swap-token](#) from [T-swap-token Project](#) contain the following vulnerability:

The mintToken function of a smart contract implementation for t\_swap, 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-2018-13464 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/t_swap 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</a> <a href="#">github.com/BlockChainsSecurity/EtherTokens/tree/master/t_swap</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="#">T-swap-token Project</a> | <a href="#">T-swap-token</a> | -       | All    | All     | All      |
| Application | <a href="#">T-swap-token Project</a> | <a href="#">T-swap-token</a> | -       | All    | All     | All      |

cpe:2.3:a:t-swap-token\_project:t-swap-token:-:\*:\*:\*:\*:\*:

cpe:2.3:a:t-swap-token\_project:t-swap-token:-:\*:\*:\*:\*:\*:

No vendor comments have been submitted for this CVE

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