

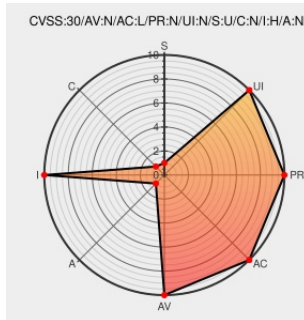


CVE-2018-10299

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CVE-2018-10299

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

Certain versions of [Beauty Ecosystem Coin](#) from [Beauty](#) contain the following vulnerability:

An integer overflow in the batchTransfer function of a smart contract implementation for Beauty Ecosystem Coin (BEC), the Ethereum ERC20 token used in the Beauty Chain economic system, allows attackers to accomplish an unauthorized increase of digital assets by providing two `_receivers` arguments in conjunction with a large `_value` argument, as exploited in the wild in April 2018, aka the "batchOverflow" issue.

CVE-2018-10299 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	HIGH	NONE

CVSS2 Score: **5 - MEDIUM**

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

CVE References

Description	Tags	Link
A disastrous vulnerability found in smart contracts of BeautyChain (BEC)	Exploit Third Party Advisory	MISC medium.com/secbit-media/a-disastrous-vulnerability-found-in-smart-contracts-of-beautychain-bec-dbf24ddbc30e

	medium.com text/html	
PeckShield派盾 - 业界领先的区块链安全公司	Exploit Third Party Advisory peckshield.com text/html	MISC peckshield.com/2018/04/22/batchOverflow/
OKEx na Twitterze: "BeautyChain (\$BEC) Withdrawal and Trading Suspended https://t.co/pgiZ17Yjf7..."	Third Party Advisory nitter.domain.glass text/html	MISC twitter.com/OKEx_/status/987967343983714304
No Description Provided	Third Party Advisory support.okex.com	MISC support.okex.com/hc/en-us/articles/360002944212-BeautyChain-BEC-Withdrawal-and-Trading-Suspended
	Inactive Link Not Archived	
DASP - TOP 10	Exploit Third Party Advisory dasp.co text/html	MISC dasp.co/#item-3
OKEx ERC20 Bug : ethereum	Issue Tracking Third Party Advisory www.reddit.com text/html	MISC www.reddit.com/r/ethereum/comments/8esyg9/okex_erc20_bug/

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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	Beauty	Beauty Ecosystem Coin	-	All	All	All
Application	Beauty	Beauty Ecosystem Coin	-	All	All	All
cpe:2.3:a:beauty:beauty_ecosystem_coin:-:*:*:*:*:*:						
cpe:2.3:a:beauty:beauty_ecosystem_coin:-:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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