



CVE-2018-12056

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CVE-2018-12056

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

Certain versions of [All For One](#) from [All-for-one](#) contain the following vulnerability:

The maxRandom function of a smart contract implementation for All For One, an Ethereum gambling game, generates a random value with publicly readable variables because the `_seed` value can be retrieved with a `getStorageAt` call. Therefore, it allows attackers to always win and get rewards.

CVE-2018-12056 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	HIGH	NONE	NONE

CVSS2 Score: **5 - MEDIUM**

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

CVE References

Description	Tags	Link
To be a winner of Ethereum gambling game, All For One, by breaking PRNG (CVE-2018-12056) by Jonghyuk Song Coinmonks Medium	Exploit Third Party Advisory medium.com	MISC medium.com/@jonghyk.song/to-be-a-winner-of-ethereum-gambling-game-all-for-one-by-breaking-prng-1ab011163d40

text/html

Pony Mail!

lists.apache.org

text/html

 [MLIST \[zookeeper-notifications\] 20190624 \[GitHub\]](#)
[\[zookeeper\] phunt commented on a change in pull request #1001: ZOOKEEPER-3441 OWASP is flagging jackson-databind-2.9.9.jar for CVE-2019-12814](#)

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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	All-for-one	All For One	-	All	All	All
Application	All-for-one	All For One	-	All	All	All
cpe:2.3:a:all-for-one:all_for_one:-:*:*:*:*:*:						
cpe:2.3:a:all-for-one:all_for_one:-:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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