



CVE-2021-36219

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Sgxwallet](#) from [Skale](#) contain the following vulnerability:

An issue was discovered in SKALE sgxwallet 1.58.3. The provided input for ECALL 14 triggers a branch in trustedEcdsaSign that frees a non-initialized pointer from the stack. An attacker can chain multiple enclave calls to prepare a stack that contains a valid address. This address is then freed, resulting in compromised integrity of the enclave.

This was resolved after v1.58.3 and not reproducible in sgxwallet v1.77.0.

CVE-2021-36219 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
Releases · skalenetwork/sgxwallet · GitHub	github.com text/html	MISC github.com/skalenetwork/sgxwallet/releases

Merge branch 'develop' into
SKALE-1180-VERIFY-ECDSA ·
skalenetwork/sgxwallet@4e9b5b7
· GitHub

[github.com](#)
[text/html](#)

 MISC
github.com/skalenetwork/sgxwallet/commit/4e9b5b7526db083177e81f8bafaaa4914d276a8

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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	Skale	Sgxwallet	1.58.3	All	All	All
cpe:2.3:a:skale:sgxwallet:1.58.3:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-36219 : An issue was discovered in SKALE sgxwallet 1.58.3. The provided input for ECALL 14 triggers a bran... twitter.com/i/web/status/1...	2021-09-27 14:07:34

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