

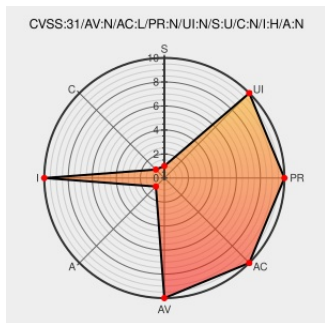


CVE-2021-25836

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CVE-2021-25836

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

Certain versions of [Ethermint](#) from [Chainsafe](#) contain the following vulnerability:

Cosmos Network Ethermint <= v0.4.0 is affected by cache lifecycle inconsistency in the EVM module. The bytecode set in a FAILED transaction wrongfully remains in memory(stateObject.code) and is further written to persistent store at the Endblock stage, which may be utilized to build honeypot contracts.

CVE-2021-25836 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
There may be bad data points in CommitStateDB when exec evm transaction with multi msgs · Issue #667 · cosmos/ethermint · GitHub	Exploit Third Party Advisory github.com	MISC github.com/cosmos/ethermint/issues/667#issuecomment-759284303

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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	Chainsafe	Ethermint	All	All	All	All
cpe:2.3:a:chainsafe:ethermint:*****:***:						

No vendor comments have been submitted for this CVE

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