CVE-2021-43839

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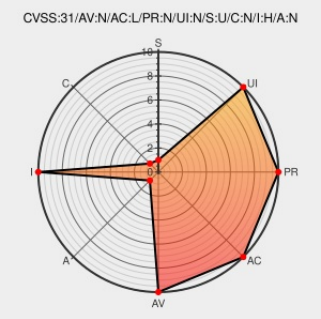
CVE-2021-43839 - advisory for GHSA-f854-hpxv-cw9r

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Cronos from Crypto contain the following vulnerability:

Cronos is a commercial implementation of a blockchain. In Cronos nodes running versions before v0.6.5, it is possible to take transaction fees from Cosmos SDK's FeeCollector for the current block by sending a custom crafted MsgEthereumTx. This problem has been patched in Cronos v0.6.5. There are no tested workarounds. All validator node operators are recommended to upgrade to Cronos v0.6.5 at their earliest possible convenience.

CVE-2021-43839 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **crypto-org-chain** - **cronos** version **< 0.6.5**

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
Drainage of FeeCollector's Block Transaction Fees · Advisory · crypto-org-chain/cronos · GitHub	github.com text/html	CONFIRM github.com/crypto-org-chain/cronos/security/advisories/GHSA-f854-hpxv-cw9r
Problem: MsgEthereumTx wrapping tx without the extension option is no… · crypto-org-chain/cronos@150ef23 · GitHub	github.com text/html	MISC github.com/crypto-org-chain/cronos/commit/150ef237b37ac28c8136e1c0f494932860b9ebe8
Problem: MsgEthereumTx wrapping tx without the extension option is not rejected by yihuang · Pull Request #270 · crypto-org-chain/cronos · GitHub	github.com text/html	MISC github.com/crypto-org-chain/cronos/pull/270

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Crypto	Cronos	All	All	All	All
Application	Crypto	Ethermint	All	All	All	All
Application	Crypto	Ethermint	All	All	All	All
Application	Crypto	Evmos	All	All	All	All

cpe:2.3:a:crypto:cronos:*:*:*:*:*:*:*:*:

cpe:2.3:a:crypto:ethermint:*:*:*:*:*:*:*:*:

cpe:2.3:a:crypto:ethermint:*:*:*:*:*:*:*:*:

cpe:2.3:a:crypto:evmos:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-43839 : Cronos is a commercial implementation of a blockchain. In Cronos nodes running versions before v0.… twitter.com/i/web/status/1…	2021-12-21 16:57:17
/r/netcve	CVE-2021-43839	2021-12-21 17:38:05

← Previous ID

Next ID→

CVE.report and Source URL Uptime Status status.cve.report