



CVE-2022-31264

Published on: Not Yet Published

Last Modified on: 04/26/2023 07:10:00 PM UTC

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

Certain versions of [Rbpf](#) from [Solana](#) contain the following vulnerability:

Solana solana_rbpf before 0.2.29 has an addition integer overflow via invalid ELF program headers. elf.rs has a panic via a malformed eBPF program.

CVE-2022-31264 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	NONE	HIGH

CVSS2 Score: **5 - MEDIUM**

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

CVE References

Description	Tags	Link
Release solana_rbpf v0.2.29 · solana-labs/rbpf · GitHub	github.com text/html	MISC github.com/solana-labs/rbpf/releases/tag/v0.2.29
CVE-Request/Solana/1 at main · Ainevsia/CVE-Request · GitHub	github.com text/html	MISC github.com/Ainevsia/CVE-Request/tree/main/Solana/1

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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	Solana	Rbpf	All	All	All	All
Application	Solanalabs	Rbpf	All	All	All	All
cpe:2.3:a:solana:rbpf:*:*:*:*:*:						
cpe:2.3:a:solanalabs:rbpf:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-31264 : Solana solana_rbpf before 0.2.29 has an addition integer overflow via invalid ELF program headers.... twitter.com/i/web/status/1...	2022-05-21 21:05:02
 /r/netcve	CVE-2022-31264	2022-05-21 22:38:45

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