



CVE-2021-46102

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Summary

CVE	CVE-2021-46102
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-01-27 18:15:00 UTC
Updated	2023-04-26 19:10:00 UTC
Description	From version 0.2.14 to 0.2.16 for Solana rBPF, function "relocate" in the file src/elf.rs has an integer overflow bug because

Risk And Classification

Problem Types: CWE-190

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Solana	Rbpf	All	All	All	All
Application	Solanalabs	Rbpf	All	All	All	All

References

Reference	Source
Fix: Unchecked integer arithmetic in elf.rs by Lichtso · Pull Request #236 · solana-labs/rbpf · GitHub	MISC
rbpf/elf.rs at c14764850f0b83b58aa013248eaf6d65836c1218 · solana-labs/rbpf · GitHub	MISC
New Integer Overflow Bug Discovered in Solana rBPF by BlockSecTeam Dec, 2021 Medium	MISC
Implement handling of R_BPF_64_64 relocations used in ld_imm64 by dmakarov · Pull Request #200 · solana-labs/rbpf · GitHub	MISC
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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