CVE-2022-34641

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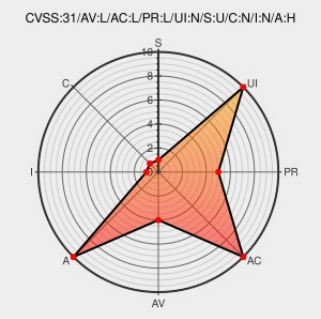
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Riscvc-boom from Boom-core contain the following vulnerability:

CVA6 commit d315ddd0f1be27c1b3f27eb0b8daf471a952299a and RISCV-Boom commit ad64c5419151e5e886daee7084d8399713b46b4b implements the incorrect exception type when a PMP violation occurs during address translation.

CVE-2022-34641 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

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

CVE References

Description	Tags	Link
[Bug Report] Incorrect exception type of PMP violation during address translation · Issue #605 · riscv-boom/riscv-boom · GitHub	github.com text/html	MISC github.com/riscv-boom/riscv-boom/issues/605
[Bug Report] Incorrect exception type of PMP violation during address translation · Issue #906 · openhwgroup/cva6 · GitHub	github.com text/html	MISC github.com/openhwgroup/cva6/issues/906
Fix exception type on PMP check during PTW by Moschn · Pull Request #908 · openhwgroup/cva6 · GitHub	github.com text/html	MISC github.com/openhwgroup/cva6/pull/908

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Boom-core	Riscvc-boom	-	All	All	All
Application	Openhwgroup	Cva6	-	All	All	All

cpe:2.3:a:boom-core:riscvc-boom:-:*:*:*:*:*:*:*:

cpe:2.3:a:openhwgroup:cva6:-:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-34641 : CVA6 commit d315ddd0f1be27c1b3f27eb0b8daf471a952299a and RISCV-Boom commit ad64c5419151e5e886daee7… twitter.com/i/web/status/1…	2022-07-18 23:07:17
@threatmeter	CVE-2022-34641 CVA6 commit d315ddd0f1be27c1b3f27eb0b8daf471a952299a and RISCV-Boom commit ad64c5419151e5e886daee708… twitter.com/i/web/status/1…	2022-07-19 07:09:26
@ColorTokensInc	Emerging Vulnerability Found CVE-2022-34641 - CVA6 commit d315ddd0f1be27c1b3f27eb0b8daf471a952299a and RISCV-Boom c… twitter.com/i/web/status/1…	2022-07-19 07:09:32
/r/netcve	CVE-2022-34641	2022-07-18 23:38:57

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