CVE-2022-23005

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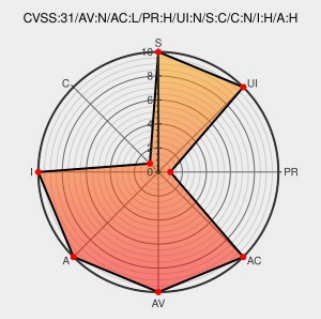
CVE-2022-23005

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



Certain versions of NA from NA contain the following vulnerability:

Western Digital has identified a weakness in the UFS standard that could result in a security vulnerability. This vulnerability may exist in some systems where the Host boot ROM code implements the UFS Boot feature to boot from UFS compliant storage devices. The UFS Boot feature, as specified in the UFS standard, is provided by UFS devices to support platforms that need to download the system boot loader from external non-volatile storage locations. Several scenarios have been identified in which adversaries may disable the boot capability, or revert to an old boot loader code, if the host boot ROM code is improperly implemented. UFS Host Boot ROM implementers may be impacted by this vulnerability. UFS devices are only impacted when connected to a vulnerable UFS Host and are not independently impacted by this vulnerability. When present, the vulnerability is in the UFS Host implementation and is not a vulnerability in Western Digital UFS Devices. Western Digital has provided details of the vulnerability to the JEDEC standards body, multiple vendors of host processors, and software solutions providers.

CVE-2022-23005 has been assigned by psirt@wdc.com to track the vulnerability

Affected Vendor/Software: **NA** - **NA** version **NA**

CVE References

Description	Tags	Link
	documents.westerndigital.com application/pdf	MISC documents.westerndigital.com/content/dam/doc-library/en_us/assets/public/western-digital/collateral/white-paper/white-paper-host-boot-rom-code-vulnerability-and-mitigation.pdf
WDC-23001 Host Boot ROM Code Vulnerability in Systems Implementing UFS Boot Feature | Western Digital	www.westerndigital.com text/html	MISC www.westerndigital.com/support/product-security/wdc-23001-host-boot-rom-code-vulnerability-in-systems-implementing-ufs-boot-feature

comment@cve.report.

There are currently no QIDs associated with this CVE

Exploit/POC from Github

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Known Affected Software

Vendor	Product	Version
NA	NA	NA

Discovery Credit

Rotem Sela and Avri Altman of Western Digital

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-23005 : Western Digital has identified a weakness in the UFS standard that could result in a security vuln… twitter.com/i/web/status/1…	2023-01-23 22:05:55
/r/netcve	CVE-2022-23005	2023-01-23 22:38:20

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