

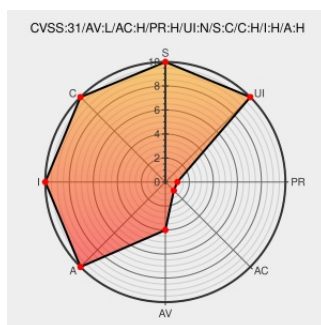


CVE-2022-31600

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CVE-2022-31600

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

Certain versions of [Dgx A100](#) from [Nvidia](#) contain the following vulnerability:

NVIDIA DGX A100 contains a vulnerability in SBIOS in the SmmCore, where a user with high privileges can chain another vulnerability to this vulnerability, causing an integer overflow, possibly leading to code execution, escalation of privileges, denial of service, compromised integrity, and information disclosure. The scope of impact can extend

to other components.

CVE-2022-31600 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **NVIDIA - NVIDIA DGX A100** version **Versions prior to 22.5.5**

CVSS3 Score: **8.2 - HIGH**

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

CVSS2 Score: **4.6 - MEDIUM**

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

CVE References

Description	Tags	Link
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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
Hardware 	Nvidia	Dgx A100	-	All	All	All
Operating System	Nvidia	Dgx A100 Firmware	All	All	All	All
cpe:2.3:h:nvidia:dgx_a100:-:*:*:*:*:*:						
cpe:2.3:o:nvidia:dgx_a100_firmware:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-31600 : NVIDIA DGX A100 contains a vulnerability in SBIOS in the SmmCore, where a user with high privilege... twitter.com/i/web/status/1...	2022-07-04 18:16:51
 /r/netcve	CVE-2022-31600	2022-07-04 19:38:54

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