



CVE-2023-20520

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2023-20520
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-05-09 19:15:00 UTC
Updated	2023-05-22 15:44:00 UTC
Description	Improper access control settings in ASP Bootloader may allow an attacker to corrupt the return address causing a stack-ba

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	Epyc 7232p	-	All	All	All
Operating System	Amd	Epyc 7232p Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7251	-	All	All	All
Operating System	Amd	Epyc 7251 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7252	-	All	All	All
Operating System	Amd	Epyc 7252 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7261	-	All	All	All
Operating System	Amd	Epyc 7261 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7262	-	All	All	All
Operating System	Amd	Epyc 7262 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7272	-	All	All	All
Operating System	Amd	Epyc 7272 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7281	-	All	All	All
Operating System	Amd	Epyc 7281 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7282	-	All	All	All
Operating System	Amd	Epyc 7282 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 72f3	-	All	All	All

Operating System	Amd	Epyc 72f3 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7301	-	All	All	All
Operating System	Amd	Epyc 7301 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7302	-	All	All	All
Hardware	Amd	Epyc 7302p	-	All	All	All
Operating System	Amd	Epyc 7302p Firmware	romeapi_1.0.0.d	All	All	All
Operating System	Amd	Epyc 7302 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7313	-	All	All	All
Hardware	Amd	Epyc 7313p	-	All	All	All
Operating System	Amd	Epyc 7313p Firmware	milanpi_1.0.0.5	All	All	All
Operating System	Amd	Epyc 7313 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7343	-	All	All	All
Operating System	Amd	Epyc 7343 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7351	-	All	All	All
Hardware	Amd	Epyc 7351p	-	All	All	All
Operating System	Amd	Epyc 7351p Firmware	naplespi_1.0.0.h	All	All	All
Operating System	Amd	Epyc 7351 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7352	-	All	All	All
Operating System	Amd	Epyc 7352 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7371	-	All	All	All
Operating System	Amd	Epyc 7371 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7373x	-	All	All	All
Operating System	Amd	Epyc 7373x Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 73f3	-	All	All	All
Operating System	Amd	Epyc 73f3 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7401	-	All	All	All
Hardware	Amd	Epyc 7401p	-	All	All	All
Operating System	Amd	Epyc 7401p Firmware	naplespi_1.0.0.h	All	All	All
Operating System	Amd	Epyc 7401 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7402	-	All	All	All
Hardware	Amd	Epyc 7402p	-	All	All	All
Operating System	Amd	Epyc 7402p Firmware	romeapi_1.0.0.d	All	All	All
Operating System	Amd	Epyc 7402 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7413	-	All	All	All
Operating System	Amd	Epyc 7413 Firmware	milanpi_1.0.0.5	All	All	All

Hardware	Amd	Epyc 7443	-	All	All	All
Hardware	Amd	Epyc 7443p	-	All	All	All
Operating System	Amd	Epyc 7443p Firmware	milanpi_1.0.0.5	All	All	All
Operating System	Amd	Epyc 7443 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7451	-	All	All	All
Operating System	Amd	Epyc 7451 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7452	-	All	All	All
Operating System	Amd	Epyc 7452 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7453	-	All	All	All
Operating System	Amd	Epyc 7453 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7473x	-	All	All	All
Operating System	Amd	Epyc 7473x Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 74f3	-	All	All	All
Operating System	Amd	Epyc 74f3 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7501	-	All	All	All
Operating System	Amd	Epyc 7501 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7502	-	All	All	All
Hardware	Amd	Epyc 7502p	-	All	All	All
Operating System	Amd	Epyc 7502p Firmware	romeapi_1.0.0.d	All	All	All
Operating System	Amd	Epyc 7502 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7513	-	All	All	All
Operating System	Amd	Epyc 7513 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7532	-	All	All	All
Operating System	Amd	Epyc 7532 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7542	-	All	All	All
Operating System	Amd	Epyc 7542 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7543	-	All	All	All
Hardware	Amd	Epyc 7543p	-	All	All	All
Operating System	Amd	Epyc 7543p Firmware	milanpi_1.0.0.5	All	All	All
Operating System	Amd	Epyc 7543 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7551	-	All	All	All
Hardware	Amd	Epyc 7551p	-	All	All	All
Operating System	Amd	Epyc 7551p Firmware	naplespi_1.0.0.h	All	All	All
Operating System	Amd	Epyc 7551 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7552	-	All	All	All

Operating System	Amd	Epyc 7552 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7571	-	All	All	All
Operating System	Amd	Epyc 7571 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7573x	-	All	All	All
Operating System	Amd	Epyc 7573x Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 75f3	-	All	All	All
Operating System	Amd	Epyc 75f3 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7601	-	All	All	All
Operating System	Amd	Epyc 7601 Firmware	naplespi_1.0.0.h	All	All	All
Hardware	Amd	Epyc 7642	-	All	All	All
Operating System	Amd	Epyc 7642 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7643	-	All	All	All
Operating System	Amd	Epyc 7643 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7662	-	All	All	All
Operating System	Amd	Epyc 7662 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7663	-	All	All	All
Operating System	Amd	Epyc 7663 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7702	-	All	All	All
Hardware	Amd	Epyc 7702p	-	All	All	All
Operating System	Amd	Epyc 7702p Firmware	romeapi_1.0.0.d	All	All	All
Operating System	Amd	Epyc 7702 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7713	-	All	All	All
Hardware	Amd	Epyc 7713p	-	All	All	All
Operating System	Amd	Epyc 7713p Firmware	milanpi_1.0.0.5	All	All	All
Operating System	Amd	Epyc 7713 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7742	-	All	All	All
Operating System	Amd	Epyc 7742 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7763	-	All	All	All
Operating System	Amd	Epyc 7763 Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7773x	-	All	All	All
Operating System	Amd	Epyc 7773x Firmware	milanpi_1.0.0.5	All	All	All
Hardware	Amd	Epyc 7f32	-	All	All	All
Operating System	Amd	Epyc 7f32 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7f52	-	All	All	All
Operating System	Amd	Epyc 7f52 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7f72	-	All	All	All

Operating System	Amd	Epyc 7f72 Firmware	romeapi_1.0.0.d	All	All	All
Hardware	Amd	Epyc 7h12	-	All	All	All
Operating System	Amd	Epyc 7h12 Firmware	romeapi_1.0.0.d	All	All	All

References

Reference	Source	Link	Tags
www.amd.com/en/corporate/product-security/bulletin/AMD-SB-3001	MISC	www.amd.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

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

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