



CVE-2021-26312

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

Summary

CVE	CVE-2021-26312
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-11-16 18:15:00 UTC
Updated	2022-05-11 17:15:00 UTC
Description	Failure to flush the Translation Lookaside Buffer (TLB) of the I/O memory management unit (IOMMU) may lead an IO device

Risk And Classification

Problem Types: CWE-668

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	All	All	All	All
Hardware	Amd	Epyc 7251	-	All	All	All
Operating System	Amd	Epyc 7251 Firmware	All	All	All	All
Hardware	Amd	Epyc 7252	-	All	All	All
Operating System	Amd	Epyc 7252 Firmware	All	All	All	All
Hardware	Amd	Epyc 7261	-	All	All	All
Operating System	Amd	Epyc 7261 Firmware	All	All	All	All
Hardware	Amd	Epyc 7262	-	All	All	All
Operating System	Amd	Epyc 7262 Firmware	All	All	All	All
Hardware	Amd	Epyc 7272	-	All	All	All
Operating System	Amd	Epyc 7272 Firmware	All	All	All	All
Hardware	Amd	Epyc 7281	-	All	All	All
Operating System	Amd	Epyc 7281 Firmware	All	All	All	All
Hardware	Amd	Epyc 7282	-	All	All	All
Operating System	Amd	Epyc 7282 Firmware	All	All	All	All
Hardware	Amd	Epyc 72f3	-	All	All	All

Operating System	Amd	Epyc 72f3 Firmware	All	All	All	All
Hardware	Amd	Epyc 7301	-	All	All	All
Operating System	Amd	Epyc 7301 Firmware	All	All	All	All
Hardware	Amd	Epyc 7302	-	All	All	All
Hardware	Amd	Epyc 7302p	-	All	All	All
Operating System	Amd	Epyc 7302p Firmware	All	All	All	All
Operating System	Amd	Epyc 7302 Firmware	All	All	All	All
Hardware	Amd	Epyc 7313	-	All	All	All
Hardware	Amd	Epyc 7313p	-	All	All	All
Operating System	Amd	Epyc 7313p Firmware	All	All	All	All
Operating System	Amd	Epyc 7313 Firmware	All	All	All	All
Hardware	Amd	Epyc 7343	-	All	All	All
Operating System	Amd	Epyc 7343 Firmware	All	All	All	All
Hardware	Amd	Epyc 7351	-	All	All	All
Hardware	Amd	Epyc 7351p	-	All	All	All
Operating System	Amd	Epyc 7351p Firmware	All	All	All	All
Operating System	Amd	Epyc 7351 Firmware	All	All	All	All
Hardware	Amd	Epyc 7352	-	All	All	All
Operating System	Amd	Epyc 7352 Firmware	All	All	All	All
Hardware	Amd	Epyc 7371	-	All	All	All
Operating System	Amd	Epyc 7371 Firmware	All	All	All	All
Hardware	Amd	Epyc 73f3	-	All	All	All
Operating System	Amd	Epyc 73f3 Firmware	All	All	All	All
Hardware	Amd	Epyc 7401	-	All	All	All
Operating System	Amd	Epyc 7401 Firmware	All	All	All	All
Hardware	Amd	Epyc 7402	-	All	All	All
Hardware	Amd	Epyc 7402p	-	All	All	All
Operating System	Amd	Epyc 7402p Firmware	All	All	All	All
Operating System	Amd	Epyc 7402 Firmware	All	All	All	All
Hardware	Amd	Epyc 7413	-	All	All	All
Operating System	Amd	Epyc 7413 Firmware	All	All	All	All
Hardware	Amd	Epyc 7443	-	All	All	All
Hardware	Amd	Epyc 7443p	-	All	All	All
Operating System	Amd	Epyc 7443p Firmware	All	All	All	All
Operating System	Amd	Epyc 7443 Firmware	All	All	All	All

Hardware	Amd	Epyc 7451	-	All	All	All
Operating System	Amd	Epyc 7451 Firmware	All	All	All	All
Hardware	Amd	Epyc 7452	-	All	All	All
Operating System	Amd	Epyc 7452 Firmware	All	All	All	All
Hardware	Amd	Epyc 7453	-	All	All	All
Operating System	Amd	Epyc 7453 Firmware	All	All	All	All
Hardware	Amd	Epyc 74f3	-	All	All	All
Operating System	Amd	Epyc 74f3 Firmware	All	All	All	All
Hardware	Amd	Epyc 7501	-	All	All	All
Operating System	Amd	Epyc 7501 Firmware	All	All	All	All
Hardware	Amd	Epyc 7502	-	All	All	All
Hardware	Amd	Epyc 7502p	-	All	All	All
Operating System	Amd	Epyc 7502p Firmware	All	All	All	All
Operating System	Amd	Epyc 7502 Firmware	All	All	All	All
Hardware	Amd	Epyc 7513	-	All	All	All
Operating System	Amd	Epyc 7513 Firmware	All	All	All	All
Hardware	Amd	Epyc 7532	-	All	All	All
Operating System	Amd	Epyc 7532 Firmware	All	All	All	All
Hardware	Amd	Epyc 7542	-	All	All	All
Operating System	Amd	Epyc 7542 Firmware	All	All	All	All
Hardware	Amd	Epyc 7543	-	All	All	All
Hardware	Amd	Epyc 7543p	-	All	All	All
Operating System	Amd	Epyc 7543p Firmware	All	All	All	All
Operating System	Amd	Epyc 7543 Firmware	All	All	All	All
Hardware	Amd	Epyc 7551	-	All	All	All
Hardware	Amd	Epyc 7551p	-	All	All	All
Operating System	Amd	Epyc 7551p Firmware	All	All	All	All
Operating System	Amd	Epyc 7551 Firmware	All	All	All	All
Hardware	Amd	Epyc 7552	-	All	All	All
Operating System	Amd	Epyc 7552 Firmware	All	All	All	All
Hardware	Amd	Epyc 75f3	-	All	All	All
Operating System	Amd	Epyc 75f3 Firmware	All	All	All	All
Hardware	Amd	Epyc 7601	-	All	All	All
Operating System	Amd	Epyc 7601 Firmware	All	All	All	All
Hardware	Amd	Epyc 7642	-	All	All	All

Operating System	Amd	Epyc 7642 Firmware	All	All	All	All
Hardware	Amd	Epyc 7643	-	All	All	All
Operating System	Amd	Epyc 7643 Firmware	All	All	All	All
Hardware	Amd	Epyc 7662	-	All	All	All
Operating System	Amd	Epyc 7662 Firmware	All	All	All	All
Hardware	Amd	Epyc 7663	-	All	All	All
Operating System	Amd	Epyc 7663 Firmware	All	All	All	All
Hardware	Amd	Epyc 7702	-	All	All	All
Hardware	Amd	Epyc 7702p	-	All	All	All
Operating System	Amd	Epyc 7702p Firmware	All	All	All	All
Operating System	Amd	Epyc 7702 Firmware	All	All	All	All
Hardware	Amd	Epyc 7713	-	All	All	All
Hardware	Amd	Epyc 7713p	-	All	All	All
Operating System	Amd	Epyc 7713p Firmware	All	All	All	All
Operating System	Amd	Epyc 7713 Firmware	All	All	All	All
Hardware	Amd	Epyc 7742	-	All	All	All
Operating System	Amd	Epyc 7742 Firmware	All	All	All	All
Hardware	Amd	Epyc 7763	-	All	All	All
Operating System	Amd	Epyc 7763 Firmware	All	All	All	All
Hardware	Amd	Epyc 7f32	-	All	All	All
Operating System	Amd	Epyc 7f32 Firmware	All	All	All	All
Hardware	Amd	Epyc 7f52	-	All	All	All
Operating System	Amd	Epyc 7f52 Firmware	All	All	All	All
Hardware	Amd	Epyc 7f72	-	All	All	All
Operating System	Amd	Epyc 7f72 Firmware	All	All	All	All
Hardware	Amd	Epyc 7h12	-	All	All	All
Operating System	Amd	Epyc 7h12 Firmware	All	All	All	All

References

Reference	Source	Link	Tags
AMD Server Vulnerabilities – November 2021 AMD	MISC	www.amd.com	
www.amd.com/en/corporate/product-security/bulletin/amd-sb-1028	MISC	www.amd.com	
www.amd.com/en/corporate/product-security/bulletin/amd-sb-1027	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.

Legacy QID Mappings

[752158](#) SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2022:1751-1)

[752173](#) SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2022:1840-1)

[752175](#) SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2022:1847-1)

[752177](#) SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2022:1846-1)

[752205](#) SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2022:1923-1)

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