



CVE-2021-46744

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

Summary

CVE	CVE-2021-46744
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-05-11 17:15:00 UTC
Updated	2023-08-08 14:22:00 UTC
Description	An attacker with access to a malicious hypervisor may be able to infer data values used in a SEV guest on AMD CPUs by n

Risk And Classification

Problem Types: CWE-203

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	Epyc 7001	-	All	All	All
Operating System	Amd	Epyc 7001 Firmware	-	All	All	All
Hardware	Amd	Epyc 7002	-	All	All	All
Operating System	Amd	Epyc 7002 Firmware	-	All	All	All
Hardware	Amd	Epyc 7003	-	All	All	All
Operating System	Amd	Epyc 7003 Firmware	-	All	All	All
Hardware	Amd	Epyc 7232p	-	All	All	All
Operating System	Amd	Epyc 7232p Firmware	-	All	All	All
Hardware	Amd	Epyc 7251	-	All	All	All
Operating System	Amd	Epyc 7251 Firmware	-	All	All	All
Hardware	Amd	Epyc 7252	-	All	All	All
Operating System	Amd	Epyc 7252 Firmware	-	All	All	All
Hardware	Amd	Epyc 7261	-	All	All	All
Operating System	Amd	Epyc 7261 Firmware	-	All	All	All
Hardware	Amd	Epyc 7262	-	All	All	All
Operating System	Amd	Epyc 7262 Firmware	-	All	All	All
Hardware	Amd	Epyc 7272	-	All	All	All

Operating System	Amd	Epyc 7272 Firmware	-	All	All	All
Hardware	Amd	Epyc 7281	-	All	All	All
Operating System	Amd	Epyc 7281 Firmware	-	All	All	All
Hardware	Amd	Epyc 7282	-	All	All	All
Operating System	Amd	Epyc 7282 Firmware	-	All	All	All
Hardware	Amd	Epyc 7301	-	All	All	All
Operating System	Amd	Epyc 7301 Firmware	-	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
Operating System	Amd	Epyc 7302 Firmware	-	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
Operating System	Amd	Epyc 7313 Firmware	-	All	All	All
Hardware	Amd	Epyc 7343	-	All	All	All
Operating System	Amd	Epyc 7343 Firmware	-	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
Operating System	Amd	Epyc 7351 Firmware	-	All	All	All
Hardware	Amd	Epyc 7352	-	All	All	All
Operating System	Amd	Epyc 7352 Firmware	-	All	All	All
Hardware	Amd	Epyc 7371	-	All	All	All
Operating System	Amd	Epyc 7371 Firmware	-	All	All	All
Hardware	Amd	Epyc 7401	-	All	All	All
Hardware	Amd	Epyc 7401p	-	All	All	All
Operating System	Amd	Epyc 7401p Firmware	-	All	All	All
Operating System	Amd	Epyc 7401 Firmware	-	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
Operating System	Amd	Epyc 7402 Firmware	-	All	All	All
Hardware	Amd	Epyc 7413	-	All	All	All
Operating System	Amd	Epyc 7413 Firmware	-	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
Operating System	Amd	Epyc 7443 Firmware	-	All	All	All
Hardware	Amd	Epyc 7451	-	All	All	All
Operating System	Amd	Epyc 7451 Firmware	-	All	All	All
Hardware	Amd	Epyc 7452	-	All	All	All
Operating System	Amd	Epyc 7452 Firmware	-	All	All	All
Hardware	Amd	Epyc 7453	-	All	All	All
Operating System	Amd	Epyc 7453 Firmware	-	All	All	All
Hardware	Amd	Epyc 7501	-	All	All	All
Operating System	Amd	Epyc 7501 Firmware	-	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
Operating System	Amd	Epyc 7502 Firmware	-	All	All	All
Hardware	Amd	Epyc 7513	-	All	All	All
Operating System	Amd	Epyc 7513 Firmware	-	All	All	All
Hardware	Amd	Epyc 7532	-	All	All	All
Operating System	Amd	Epyc 7532 Firmware	-	All	All	All
Hardware	Amd	Epyc 7542	-	All	All	All
Operating System	Amd	Epyc 7542 Firmware	-	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
Operating System	Amd	Epyc 7543 Firmware	-	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
Operating System	Amd	Epyc 7551 Firmware	-	All	All	All
Hardware	Amd	Epyc 7552	-	All	All	All
Operating System	Amd	Epyc 7552 Firmware	-	All	All	All
Hardware	Amd	Epyc 7601	-	All	All	All
Operating System	Amd	Epyc 7601 Firmware	-	All	All	All
Hardware	Amd	Epyc 7642	-	All	All	All

Operating System	Amd	Epyc /642 Firmware	-	All	All	All
Hardware	Amd	Epyc 7643	-	All	All	All
Operating System	Amd	Epyc 7643 Firmware	-	All	All	All
Hardware	Amd	Epyc 7662	-	All	All	All
Operating System	Amd	Epyc 7662 Firmware	-	All	All	All
Hardware	Amd	Epyc 7663	-	All	All	All
Operating System	Amd	Epyc 7663 Firmware	-	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
Operating System	Amd	Epyc 7702 Firmware	-	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
Operating System	Amd	Epyc 7713 Firmware	-	All	All	All
Hardware	Amd	Epyc 7742	-	All	All	All
Operating System	Amd	Epyc 7742 Firmware	-	All	All	All
Hardware	Amd	Epyc 7763	-	All	All	All
Operating System	Amd	Epyc 7763 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3101	-	All	All	All
Operating System	Amd	Epyc Embedded 3101 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3151	-	All	All	All
Operating System	Amd	Epyc Embedded 3151 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3201	-	All	All	All
Operating System	Amd	Epyc Embedded 3201 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3251	-	All	All	All
Operating System	Amd	Epyc Embedded 3251 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3255	-	All	All	All
Operating System	Amd	Epyc Embedded 3255 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3351	-	All	All	All
Operating System	Amd	Epyc Embedded 3351 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3451	-	All	All	All
Operating System	Amd	Epyc Embedded 3451 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7232p	-	All	All	All
Operating System	Amd	Epyc Embedded 7232p Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7251	-	All	All	All

Operating System	Amd	Epyc Embedded 7251 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7252	-	All	All	All
Operating System	Amd	Epyc Embedded 7252 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7261	-	All	All	All
Operating System	Amd	Epyc Embedded 7261 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7262	-	All	All	All
Operating System	Amd	Epyc Embedded 7262 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7272	-	All	All	All
Operating System	Amd	Epyc Embedded 7272 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7281	-	All	All	All
Operating System	Amd	Epyc Embedded 7281 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7282	-	All	All	All
Operating System	Amd	Epyc Embedded 7282 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7301	-	All	All	All
Operating System	Amd	Epyc Embedded 7301 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7302	-	All	All	All
Hardware	Amd	Epyc Embedded 7302p	-	All	All	All
Operating System	Amd	Epyc Embedded 7302p Firmware	-	All	All	All
Operating System	Amd	Epyc Embedded 7302 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7351	-	All	All	All
Operating System	Amd	Epyc Embedded 7351 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7352	-	All	All	All
Operating System	Amd	Epyc Embedded 7352 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 735p	-	All	All	All
Operating System	Amd	Epyc Embedded 735p Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7371	-	All	All	All
Operating System	Amd	Epyc Embedded 7371 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7401	-	All	All	All
Operating System	Amd	Epyc Embedded 7401 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7402	-	All	All	All
Hardware	Amd	Epyc Embedded 7402p	-	All	All	All
Operating System	Amd	Epyc Embedded 7402p Firmware	-	All	All	All
Operating System	Amd	Epyc Embedded 7402 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 740p	-	All	All	All
Operating System	Amd	Epyc Embedded 740p Firmware	-	All	All	All

Hardware	Amd	Epyc Embedded 7451	-	All	All	All
Operating System	Amd	Epyc Embedded 7451 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7452	-	All	All	All
Operating System	Amd	Epyc Embedded 7452 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7501	-	All	All	All
Operating System	Amd	Epyc Embedded 7501 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7502	-	All	All	All
Hardware	Amd	Epyc Embedded 7502p	-	All	All	All
Operating System	Amd	Epyc Embedded 7502p Firmware	-	All	All	All
Operating System	Amd	Epyc Embedded 7502 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7532	-	All	All	All
Operating System	Amd	Epyc Embedded 7532 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7542	-	All	All	All
Operating System	Amd	Epyc Embedded 7542 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7551	-	All	All	All
Operating System	Amd	Epyc Embedded 7551 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7552	-	All	All	All
Operating System	Amd	Epyc Embedded 7552 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 755p	-	All	All	All
Operating System	Amd	Epyc Embedded 755p Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7601	-	All	All	All
Operating System	Amd	Epyc Embedded 7601 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7642	-	All	All	All
Operating System	Amd	Epyc Embedded 7642 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7662	-	All	All	All
Operating System	Amd	Epyc Embedded 7662 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7702	-	All	All	All
Hardware	Amd	Epyc Embedded 7702p	-	All	All	All
Operating System	Amd	Epyc Embedded 7702p Firmware	-	All	All	All
Operating System	Amd	Epyc Embedded 7702 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7742	-	All	All	All
Operating System	Amd	Epyc Embedded 7742 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7f32	-	All	All	All
Operating System	Amd	Epyc Embedded 7f32 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7f52	-	All	All	All
Operating System	Amd	Epyc Embedded 7f52 Firmware	-	All	All	All

Operating System	Amd	Epyc Embedded 7f72 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7f72	-	All	All	All
Operating System	Amd	Epyc Embedded 7f72 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 7h12	-	All	All	All
Operating System	Amd	Epyc Embedded 7h12 Firmware	-	All	All	All

References

Reference	Source	Link	Tags
oss-security - wolfSSL 5.4.0 fixes CVE-2022-34293 and other issues	MLIST	www.openwall.com	
www.amd.com/en/corporate/product-security/bulletin/amd-sb-1033	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

690912 Free Berkeley Software Distribution (FreeBSD) Security Update for wolfssl (9b9a5f6e-1755-11ed-adeb-589cfc01894a)
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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