



CVE-2021-26401

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

Summary

CVE	CVE-2021-26401
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-03-11 18:15:00 UTC
Updated	2022-03-18 20:04:00 UTC
Description	LFENCE/JMP (mitigation V2-2) may not sufficiently mitigate CVE-2017-5715 on some AMD CPUs.

Risk And Classification

Problem Types: NVD-CWE-noinfo

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	A10-9600p	-	All	All	All
Operating System	Amd	A10-9600p Firmware	-	All	All	All
Hardware	Amd	A10-9630p	-	All	All	All
Operating System	Amd	A10-9630p Firmware	-	All	All	All
Hardware	Amd	A12-9700p	-	All	All	All
Operating System	Amd	A12-9700p Firmware	-	All	All	All
Hardware	Amd	A12-9730p	-	All	All	All
Operating System	Amd	A12-9730p Firmware	-	All	All	All
Hardware	Amd	A4-9120	-	All	All	All
Operating System	Amd	A4-9120 Firmware	-	All	All	All
Hardware	Amd	A6-9210	-	All	All	All
Operating System	Amd	A6-9210 Firmware	-	All	All	All
Hardware	Amd	A6-9220	-	All	All	All
Hardware	Amd	A6-9220c	-	All	All	All
Operating System	Amd	A6-9220c Firmware	-	All	All	All
Operating System	Amd	A6-9220 Firmware	-	All	All	All
Hardware	Amd	A9-9410	-	All	All	All

Operating System	Amd	A9-9410 Firmware	-	All	All	All
Hardware	Amd	A9-9420	-	All	All	All
Operating System	Amd	A9-9420 Firmware	-	All	All	All
Hardware	Amd	Athlon Gold 3150ge	-	All	All	All
Operating System	Amd	Athlon Gold 3150ge Firmware	-	All	All	All
Hardware	Amd	Athlon Gold 3150u	-	All	All	All
Operating System	Amd	Athlon Gold 3150u Firmware	-	All	All	All
Hardware	Amd	Athlon Gold 3450g	-	All	All	All
Operating System	Amd	Athlon Gold 3450g Firmware	-	All	All	All
Hardware	Amd	Athlon Pro 300u	-	All	All	All
Operating System	Amd	Athlon Pro 300u Firmware	-	All	All	All
Hardware	Amd	Athlon Silver 3050ge	-	All	All	All
Operating System	Amd	Athlon Silver 3050ge Firmware	-	All	All	All
Hardware	Amd	Athlon Silver 3050u	-	All	All	All
Operating System	Amd	Athlon Silver 3050u Firmware	-	All	All	All
Hardware	Amd	Athlon X4 750	-	All	All	All
Operating System	Amd	Athlon X4 750 Firmware	-	All	All	All
Hardware	Amd	Athlon X4 760k	-	All	All	All
Operating System	Amd	Athlon X4 760k Firmware	-	All	All	All
Hardware	Amd	Athlon X4 830	-	All	All	All
Operating System	Amd	Athlon X4 830 Firmware	-	All	All	All
Hardware	Amd	Athlon X4 835	-	All	All	All
Operating System	Amd	Athlon X4 835 Firmware	-	All	All	All
Hardware	Amd	Athlon X4 840	-	All	All	All
Operating System	Amd	Athlon X4 840 Firmware	-	All	All	All
Hardware	Amd	Athlon X4 845	-	All	All	All
Operating System	Amd	Athlon X4 845 Firmware	-	All	All	All
Hardware	Amd	Athlon X4 860k	-	All	All	All
Operating System	Amd	Athlon X4 860k Firmware	-	All	All	All
Hardware	Amd	Athlon X4 870k	-	All	All	All
Operating System	Amd	Athlon X4 870k Firmware	-	All	All	All
Hardware	Amd	Athlon X4 880k	-	All	All	All
Operating System	Amd	Athlon X4 880k Firmware	-	All	All	All
Hardware	Amd	Athlon X4 940	-	All	All	All
Operating System	Amd	Athlon X4 940 Firmware	-	All	All	All
Hardware	Amd	Athlon X4 950	-	All	All	All

Hardware	Amd	Athlon X4 950	-	All	All	All
Operating System	Amd	Athlon X4 950 Firmware	-	All	All	All
Hardware	Amd	Athlon X4 970	-	All	All	All
Operating System	Amd	Athlon X4 970 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 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 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 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 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 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 7642 Firmware	-	All	All	All
Hardware	Amd	Epyc 7662	-	All	All	All
Operating System	Amd	Epyc 7662 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 7742	-	All	All	All
Operating System	Amd	Epyc 7742 Firmware	-	All	All	All
Hardware	Amd	Epyc 7f32	-	All	All	All
Operating System	Amd	Epyc 7f32 Firmware	-	All	All	All
Hardware	Amd	Epyc 7f52	-	All	All	All
Operating System	Amd	Epyc 7f52 Firmware	-	All	All	All
Hardware	Amd	Epyc 7f72	-	All	All	All
Operating System	Amd	Epyc 7f72 Firmware	-	All	All	All
Hardware	Amd	Epyc 7h12	-	All	All	All
Operating System	Amd	Epyc 7h12 Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 2200u	-	All	All	All
Operating System	Amd	Ryzen 3 2200u Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 2300u	-	All	All	All
Operating System	Amd	Ryzen 3 2300u Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 3100	-	All	All	All
Operating System	Amd	Ryzen 3 3100 Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 3300g	-	All	All	All
Operating System	Amd	Ryzen 3 3300g Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 3300x	-	All	All	All
Operating System	Amd	Ryzen 3 3300x Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 4300g	-	All	All	All
Hardware	Amd	Ryzen 3 4300ge	-	All	All	All
Operating System	Amd	Ryzen 3 4300ge Firmware	-	All	All	All
Operating System	Amd	Ryzen 3 4300g Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 5400u	-	All	All	All
Operating System	Amd	Ryzen 3 5400u Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 5425u	-	All	All	All
Operating System	Amd	Ryzen 3 5425u Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 Pro 2300u	-	All	All	All
Operating System	Amd	Ryzen 3 Pro 2300u Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 Pro 3300u	-	All	All	All
Operating System	Amd	Ryzen 3 Pro 3300u Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 2500u	-	All	All	All
Operating System	Amd	Ryzen 5 2500u Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 2600	-	All	All	All

Hardware	Amd	Ryzen 5 2000	-	All	All	All
Hardware	Amd	Ryzen 5 2600h	-	All	All	All
Operating System	Amd	Ryzen 5 2600h Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 2600x	-	All	All	All
Operating System	Amd	Ryzen 5 2600x Firmware	-	All	All	All
Operating System	Amd	Ryzen 5 2600 Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 3400g	-	All	All	All
Operating System	Amd	Ryzen 5 3400g Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 3600	-	All	All	All
Hardware	Amd	Ryzen 5 3600x	-	All	All	All
Operating System	Amd	Ryzen 5 3600x Firmware	-	All	All	All
Operating System	Amd	Ryzen 5 3600 Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 4600g	-	All	All	All
Hardware	Amd	Ryzen 5 4600ge	-	All	All	All
Operating System	Amd	Ryzen 5 4600ge Firmware	-	All	All	All
Operating System	Amd	Ryzen 5 4600g Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 4600h	-	All	All	All
Operating System	Amd	Ryzen 5 4600h Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 5600h	-	All	All	All
Hardware	Amd	Ryzen 5 5600hs	-	All	All	All
Operating System	Amd	Ryzen 5 5600hs Firmware	-	All	All	All
Operating System	Amd	Ryzen 5 5600h Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 5600u	-	All	All	All
Operating System	Amd	Ryzen 5 5600u Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 5625u	-	All	All	All
Operating System	Amd	Ryzen 5 5625u Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 Pro 2500u	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 2500u Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 Pro 3500u	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 3500u Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 2700	-	All	All	All
Hardware	Amd	Ryzen 7 2700u	-	All	All	All
Operating System	Amd	Ryzen 7 2700u Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 2700x	-	All	All	All
Operating System	Amd	Ryzen 7 2700x Firmware	-	All	All	All
Operating System	Amd	Ryzen 7 2700 Firmware	-	All	All	All

Hardware	Amd	Ryzen 7 2800h	-	All	All	All
Operating System	Amd	Ryzen 7 2800h Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 3700x	-	All	All	All
Operating System	Amd	Ryzen 7 3700x Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 3800x	-	All	All	All
Operating System	Amd	Ryzen 7 3800x Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 4700g	-	All	All	All
Hardware	Amd	Ryzen 7 4700ge	-	All	All	All
Operating System	Amd	Ryzen 7 4700ge Firmware	-	All	All	All
Operating System	Amd	Ryzen 7 4700g Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 4800h	-	All	All	All
Operating System	Amd	Ryzen 7 4800h Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 5800h	-	All	All	All
Hardware	Amd	Ryzen 7 5800hs	-	All	All	All
Operating System	Amd	Ryzen 7 5800hs Firmware	-	All	All	All
Operating System	Amd	Ryzen 7 5800h Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 5800u	-	All	All	All
Operating System	Amd	Ryzen 7 5800u Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 5825u	-	All	All	All
Operating System	Amd	Ryzen 7 5825u Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 Pro 2700u	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 2700u Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 Pro 3700u	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 3700u Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 3900x	-	All	All	All
Operating System	Amd	Ryzen 9 3900x Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 3950x	-	All	All	All
Operating System	Amd	Ryzen 9 3950x Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 4900hs	-	All	All	All
Operating System	Amd	Ryzen 9 4900hs Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 5900hs	-	All	All	All
Operating System	Amd	Ryzen 9 5900hs Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 5900hx	-	All	All	All
Operating System	Amd	Ryzen 9 5900hx Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 5980hs	-	All	All	All

Operating System	Amd	Ryzen 9 5980hs Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 5980hx	-	All	All	All
Operating System	Amd	Ryzen 9 5980hx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper 2920x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2920x Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper 2950x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2950x Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper 2970wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2970wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper 2990wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2990wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper 3970x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 3970x Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5945wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5945wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5955wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5955wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5965wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5965wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5975wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5975wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5995wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5995wx Firmware	-	All	All	All

References

Reference	Source	Link	Tags
oss-security - Xen Security Advisory 398 v2 - Multiple speculative security issues	MLIST	www.openwall.com	
LFENCE/JMP Mitigation Update for CVE-2017-5715 AMD	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

[159727](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9245)

[159729](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9244)

159754 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9274)
159755 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9273)
159760 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9314)
159763 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9313)
159825 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-1988)
160429 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-0399)
161014 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-0187)
179907 Debian Security Update for linux (CVE-2021-26401)
198782 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5417-1)
198784 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5418-1)
198785 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5415-1)
199560 Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6001-1)
199568 Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6013-1)
199577 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6014-1)
240275 Red Hat Update for kernel-rt (RHSA-2022:1975)
240298 Red Hat Update for kernel security (RHSA-2022:1988)
241125 Red Hat Update for kernel (RHSA-2023:0399)
241126 Red Hat Update for kernel-rt (RHSA-2023:0400)
257210 CentOS Security Update for kernel (CESA-2023:0399)
354279 Amazon Linux Security Advisory for kernel : ALAS2022-2022-039
354468 Amazon Linux Security Advisory for kernel : ALAS2022-2022-185
354542 Amazon Linux Security Advisory for kernel : ALAS-2022-185
355199 Amazon Linux Security Advisory for kernel : ALAS2023-2023-070
376925 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0125)
377774 Citrix XenServer Security Updates (CTX341586)
672474 EulerOS Security Update for kernel (EulerOS-SA-2022-2823)
751919 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:0931-1)
751921 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:0939-1)

751922 OpenSUSE Security Update for xen (openSUSE-SU-2022:0940-1)
752004 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:0940-1)
752054 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:1285-1)
752065 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:1300-1)
752073 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:1359-1)
752075 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:1408-1)
940517 AlmaLinux Security Update for kernel (ALSA-2022:1988)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)