



CVE-2023-20569

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2023-20569
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-08-08 18:15:00 UTC
Updated	2024-04-01 15:46:00 UTC
Description	A side channel vulnerability on some of the AMD CPUs may allow an attacker to influence the return address prediction. Th

Risk And Classification

Problem Types: CWE-203

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	Epyc 72f3	-	All	All	All
Operating System	Amd	Epyc 72f3 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 7373x	-	All	All	All
Operating System	Amd	Epyc 7373x 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 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 7453	-	All	All	All
Operating System	Amd	Epyc 7453 Firmware	All	All	All	All
Hardware	Amd	Epyc 7473x	-	All	All	All
Operating System	Amd	Epyc 7473x 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 7513	-	All	All	All
Operating System	Amd	Epyc 7513 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 7573x	-	All	All	All
Operating System	Amd	Epyc 7573x 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 7643	-	All	All	All
Operating System	Amd	Epyc 7643 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 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 7763	-	All	All	All
Operating System	Amd	Epyc 7763 Firmware	All	All	All	All
Hardware	Amd	Epyc 7773x	-	All	All	All
Operating System	Amd	Epyc 7773x Firmware	All	All	All	All
Hardware	Amd	Epyc 9124	-	All	All	All
Operating System	Amd	Epyc 9124 Firmware	All	All	All	All
Hardware	Amd	Epyc 9174f	-	All	All	All
Operating System	Amd	Epyc 9174f Firmware	All	All	All	All
Hardware	Amd	Epyc 9184x	-	All	All	All
Operating System	Amd	Epyc 9184x Firmware	All	All	All	All

Hardware	Amd	Epyc 9224	-	All	All	All
Operating System	Amd	Epyc 9224 Firmware	All	All	All	All
Hardware	Amd	Epyc 9254	-	All	All	All
Operating System	Amd	Epyc 9254 Firmware	All	All	All	All
Hardware	Amd	Epyc 9274f	-	All	All	All
Operating System	Amd	Epyc 9274f Firmware	All	All	All	All
Hardware	Amd	Epyc 9334	-	All	All	All
Operating System	Amd	Epyc 9334 Firmware	All	All	All	All
Hardware	Amd	Epyc 9354	-	All	All	All
Hardware	Amd	Epyc 9354p	-	All	All	All
Operating System	Amd	Epyc 9354p Firmware	All	All	All	All
Operating System	Amd	Epyc 9354 Firmware	All	All	All	All
Hardware	Amd	Epyc 9374f	-	All	All	All
Operating System	Amd	Epyc 9374f Firmware	All	All	All	All
Hardware	Amd	Epyc 9384x	-	All	All	All
Operating System	Amd	Epyc 9384x Firmware	All	All	All	All
Hardware	Amd	Epyc 9454	-	All	All	All
Hardware	Amd	Epyc 9454p	-	All	All	All
Operating System	Amd	Epyc 9454p Firmware	All	All	All	All
Operating System	Amd	Epyc 9454 Firmware	All	All	All	All
Hardware	Amd	Epyc 9474f	-	All	All	All
Operating System	Amd	Epyc 9474f Firmware	All	All	All	All
Hardware	Amd	Epyc 9534	-	All	All	All
Operating System	Amd	Epyc 9534 Firmware	All	All	All	All
Hardware	Amd	Epyc 9554	-	All	All	All
Hardware	Amd	Epyc 9554p	-	All	All	All
Operating System	Amd	Epyc 9554p Firmware	All	All	All	All
Operating System	Amd	Epyc 9554 Firmware	All	All	All	All
Hardware	Amd	Epyc 9634	-	All	All	All
Operating System	Amd	Epyc 9634 Firmware	All	All	All	All
Hardware	Amd	Epyc 9654	-	All	All	All
Hardware	Amd	Epyc 9654p	-	All	All	All
Operating System	Amd	Epyc 9654p Firmware	All	All	All	All
Operating System	Amd	Epyc 9654 Firmware	All	All	All	All
Hardware	Amd	Epyc 9684x	-	All	All	All

Operating System	Amd	Epyc 9684x Firmware	All	All	All	All
Hardware	Amd	Epyc 9734	-	All	All	All
Operating System	Amd	Epyc 9734 Firmware	All	All	All	All
Hardware	Amd	Epyc 9754	-	All	All	All
Hardware	Amd	Epyc 9754s	-	All	All	All
Operating System	Amd	Epyc 9754s Firmware	All	All	All	All
Operating System	Amd	Epyc 9754 Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5100	-	All	All	All
Operating System	Amd	Ryzen 3 5100 Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5125c	-	All	All	All
Operating System	Amd	Ryzen 3 5125c Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5300g	-	All	All	All
Hardware	Amd	Ryzen 3 5300ge	-	All	All	All
Operating System	Amd	Ryzen 3 5300ge Firmware	All	All	All	All
Operating System	Amd	Ryzen 3 5300g Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5300u	-	All	All	All
Operating System	Amd	Ryzen 3 5300u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5400u	-	All	All	All
Operating System	Amd	Ryzen 3 5400u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5425u	-	All	All	All
Operating System	Amd	Ryzen 3 5425u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 7335u	-	All	All	All
Operating System	Amd	Ryzen 3 7335u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 7440u	-	All	All	All
Operating System	Amd	Ryzen 3 7440u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 Pro 7330u	-	All	All	All
Operating System	Amd	Ryzen 3 Pro 7330u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5500	-	All	All	All
Hardware	Amd	Ryzen 5 5500u	-	All	All	All
Operating System	Amd	Ryzen 5 5500u Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 5500 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5560u	-	All	All	All
Operating System	Amd	Ryzen 5 5560u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5600	-	All	All	All
Hardware	Amd	Ryzen 5 5600g	-	All	All	All
Hardware	Amd	Ryzen 5 5600ge	-	All	All	All

Operating System	Amd	Ryzen 5 5600ge Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 5600g Firmware	All	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	All
Operating System	Amd	Ryzen 5 5600h Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5600u	-	All	All	All
Operating System	Amd	Ryzen 5 5600u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5600x	-	All	All	All
Hardware	Amd	Ryzen 5 5600x3d	-	All	All	All
Operating System	Amd	Ryzen 5 5600x3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 5600x Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 5600 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5625u	-	All	All	All
Operating System	Amd	Ryzen 5 5625u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 6600h	-	All	All	All
Hardware	Amd	Ryzen 5 6600hs	-	All	All	All
Operating System	Amd	Ryzen 5 6600hs Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 6600h Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 6600u	-	All	All	All
Operating System	Amd	Ryzen 5 6600u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7500f	-	All	All	All
Operating System	Amd	Ryzen 5 7500f Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7535hs	-	All	All	All
Operating System	Amd	Ryzen 5 7535hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7535u	-	All	All	All
Operating System	Amd	Ryzen 5 7535u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7540u	-	All	All	All
Operating System	Amd	Ryzen 5 7540u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7600	-	All	All	All
Hardware	Amd	Ryzen 5 7600x	-	All	All	All
Operating System	Amd	Ryzen 5 7600x Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 7600 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7640h	-	All	All	All
Operating System	Amd	Ryzen 5 7640h Firmware	All	All	All	All

Hardware	Amd	Ryzen 5 7640u	-	All	All	All
Operating System	Amd	Ryzen 5 7640u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7645hx	-	All	All	All
Operating System	Amd	Ryzen 5 7645hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 Pro 5645	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 5645 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 Pro 7530u	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 7530u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 Pro 7640hs	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 7640hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 Pro 7645	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 7645 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5700	-	All	All	All
Hardware	Amd	Ryzen 7 5700g	-	All	All	All
Hardware	Amd	Ryzen 7 5700ge	-	All	All	All
Operating System	Amd	Ryzen 7 5700ge Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5700g Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5700u	-	All	All	All
Operating System	Amd	Ryzen 7 5700u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5700x	-	All	All	All
Operating System	Amd	Ryzen 7 5700x Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5700 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5800	-	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	All
Operating System	Amd	Ryzen 7 5800h Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5800u	-	All	All	All
Operating System	Amd	Ryzen 7 5800u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5800x	-	All	All	All
Hardware	Amd	Ryzen 7 5800x3d	-	All	All	All
Operating System	Amd	Ryzen 7 5800x3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5800x Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5800 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5825u	-	All	All	All
Operating System	Amd	Ryzen 7 5825u Firmware	All	All	All	All

Operating System	Amd	Ryzen 7 5825u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 6800h	-	All	All	All
Hardware	Amd	Ryzen 7 6800hs	-	All	All	All
Operating System	Amd	Ryzen 7 6800hs Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 6800h Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 6800u	-	All	All	All
Operating System	Amd	Ryzen 7 6800u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7700	-	All	All	All
Hardware	Amd	Ryzen 7 7700x	-	All	All	All
Operating System	Amd	Ryzen 7 7700x Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 7700 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7735hs	-	All	All	All
Operating System	Amd	Ryzen 7 7735hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7735u	-	All	All	All
Operating System	Amd	Ryzen 7 7735u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7736u	-	All	All	All
Operating System	Amd	Ryzen 7 7736u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7745hx	-	All	All	All
Operating System	Amd	Ryzen 7 7745hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7800x3d	-	All	All	All
Operating System	Amd	Ryzen 7 7800x3d Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7840h	-	All	All	All
Operating System	Amd	Ryzen 7 7840h Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7840u	-	All	All	All
Operating System	Amd	Ryzen 7 7840u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 Pro 5845	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 5845 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 Pro 7730u	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 7730u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 Pro 7745	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 7745 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 Pro 7840hs	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 7840hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 5900	-	All	All	All
Hardware	Amd	Ryzen 9 5900hs	-	All	All	All
Operating System	Amd	Ryzen 9 5900hs Firmware	All	All	All	All

Hardware	Amd	Ryzen 9 5900hx	-	All	All	All
Operating System	Amd	Ryzen 9 5900hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 5900x	-	All	All	All
Operating System	Amd	Ryzen 9 5900x Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 5900 Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 5950x	-	All	All	All
Operating System	Amd	Ryzen 9 5950x Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 5980hs	-	All	All	All
Operating System	Amd	Ryzen 9 5980hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 5980hx	-	All	All	All
Operating System	Amd	Ryzen 9 5980hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6900hs	-	All	All	All
Operating System	Amd	Ryzen 9 6900hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6900hx	-	All	All	All
Operating System	Amd	Ryzen 9 6900hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6980hs	-	All	All	All
Operating System	Amd	Ryzen 9 6980hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6980hx	-	All	All	All
Operating System	Amd	Ryzen 9 6980hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 7845hx	-	All	All	All
Operating System	Amd	Ryzen 9 7845hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 7900	-	All	All	All
Hardware	Amd	Ryzen 9 7900x	-	All	All	All
Hardware	Amd	Ryzen 9 7900x3d	-	All	All	All
Operating System	Amd	Ryzen 9 7900x3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 7900x Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 7900 Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 7940h	-	All	All	All
Operating System	Amd	Ryzen 9 7940h Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 7945hx	-	All	All	All
Hardware	Amd	Ryzen 9 7945hx3d	-	All	All	All
Operating System	Amd	Ryzen 9 7945hx3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 7945hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 7950x	-	All	All	All
Hardware	Amd	Ryzen 9 7950x3d	-	All	All	All

Operating System	Amd	Ryzen 9 7950x3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 7950x Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 Pro 5945	-	All	All	All
Operating System	Amd	Ryzen 9 Pro 5945 Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 Pro 7640hs	-	All	All	All
Operating System	Amd	Ryzen 9 Pro 7640hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 Pro 7945	-	All	All	All
Operating System	Amd	Ryzen 9 Pro 7945 Firmware	All	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5945wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5945wx Firmware	All	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5955wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5955wx Firmware	All	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5965wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5965wx Firmware	All	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5975wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5975wx Firmware	All	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5995wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5995wx Firmware	All	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	11.0	All	All	All
Operating System	Debian	Debian Linux	12.0	All	All	All
Operating System	Fedoraproject	Fedora	37	All	All	All
Operating System	Fedoraproject	Fedora	38	All	All	All
Operating System	Microsoft	Windows 10 1507	All	All	All	All
Operating System	Microsoft	Windows 10 1607	All	All	All	All
Operating System	Microsoft	Windows 10 1809	All	All	All	All
Operating System	Microsoft	Windows 10 21h2	All	All	All	All
Operating System	Microsoft	Windows 10 22h2	All	All	All	All
Operating System	Microsoft	Windows 11 21h2	All	All	All	All
Operating System	Microsoft	Windows 11 22h2	All	All	All	All
Operating System	Microsoft	Windows Server 2008	-	sp2	All	All
Operating System	Microsoft	Windows Server 2008	r2	sp1	All	All
Operating System	Microsoft	Windows Server 2012	-	All	All	All
Operating System	Microsoft	Windows Server 2012	r2	All	All	All
Operating System	Microsoft	Windows Server 2016	All	All	All	All
Operating System	Microsoft	Windows Server 2019	All	All	All	All

Operating System	Microsoft	Windows Server 2019	All	All	All	All
Operating System	Microsoft	Windows Server 2022	All	All	All	All

References

Reference	Source	Link
[SECURITY] [DLA 3525-1] linux-5.10 security update	MISC	lists.debian.org
[SECURITY] Fedora 37 Update: xen-4.16.5-1.fc37 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
[SECURITY] Fedora 37 Update: kernel-6.4.9-100.fc37 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
[SECURITY] Fedora 38 Update: xen-4.17.2-1.fc38 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
[SECURITY] Fedora 38 Update: kernel-6.4.9-200.fc38 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
www.amd.com/en/corporate/product-security/bulletin/AMD-SB-7005	MISC	www.amd.com
Debian -- Security Information -- DSA-5475-1 linux	MISC	www.debian.org
XSA-434 - Xen Security Advisories	MISC	xenbits.xen.org
Inception: how a simple XOR can cause a Microarchitectural Stack Overflow - Computer Security Group	MISC	comsec.ethz.ch
oss-security - Xen Security Advisory 434 v1 (CVE-2023-20569) - x86/AMD: Speculative Return Stack Overflow	MISC	www.openwall.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

160846 Oracle Enterprise Linux Security Update for linux-firmware (ELSA-2023-12713)
160847 Oracle Enterprise Linux Security Update for linux-firmware (ELSA-2023-12715)
160848 Oracle Enterprise Linux Security Update for linux-firmware (ELSA-2023-12712)
160850 Oracle Enterprise Linux Security Update for linux-firmware (ELSA-2023-12714)
160978 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12874)
160982 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12911)
160985 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12910)
161101 Oracle Enterprise Linux Security Update for linux-firmware (ELSA-2023-6595)
161145 Oracle Enterprise Linux Security Update for linux-firmware (ELSA-2023-7109)
161256 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7749)
199803 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6415-1)
199809 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6416-1)

199810 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6412-1)
199814 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6416-2)
199840 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6416-3)
199844 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-1)
199858 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-2)
199883 Ubuntu Security Notification for Linux kernel (NVIDIA) Vulnerabilities (USN-6466-1)
242377 Red Hat Update for linux-firmware security (RHSA-2023:6595)
242455 Red Hat Update for linux-firmware security (RHSA-2023:7109)
242575 Red Hat Update for kernel (RHSA-2023:7749)
242579 Red Hat Update for linux-firmware (RHSA-2023:7513)
242606 Red Hat Update for linux-firmware (RHSA-2023:7401)
242760 Red Hat Update for linux-firmware (RHSA-2024:0433)
242832 Red Hat Update for linux-firmware (RHSA-2024:0561)
242844 Red Hat Update for linux-firmware (RHSA-2024:0449)
242845 Red Hat Update for kernel (RHSA-2024:0448)
242846 Red Hat Update for kernel-rt (RHSA-2024:0439)
242890 Red Hat Update for kernel (RHSA-2024:0724)
257284 CentOS Security Update for linux-firmware (CESA-2023:7513)
284374 Fedora Security Update for kernel (FEDORA-2023-ddfd3073b3)
284375 Fedora Security Update for kernel (FEDORA-2023-638681260a)
284407 Fedora Security Update for xen (FEDORA-2023-fff31650c8)
379043 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)
379274 Alibaba Cloud Linux Security Update for linux-firmware (ALINUX2-SA-2023:0049)
379435 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2024:0012)
503094 Alpine Linux Security Update for xen
503149 Alpine Linux Security Update for xen
505970 Alpine Linux Security Update for xen
6000120 Debian Security Update for linux-5.10 (DLA 3525-1)
6000202 Debian Security Update for linux (DSA 5475-1)

6140171 AWS Bottlerocket Security Update for microcode (GHSA-qr6c-vx5j-h66c)
6140375 AWS Bottlerocket Security Update for kernel (GHSA-vw3h-hwqv-wmqx)
673657 EulerOS Security Update for kernel (EulerOS-SA-2024-1122)
674024 EulerOS Security Update for kernel (EulerOS-SA-2024-1107)
754275 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3309-1)
754281 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3349-1)
754286 SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2023:3362-1)
754287 SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2023:3361-1)
92045 Microsoft Azure Stack Hub Security Updates for August 2023
92046 Microsoft Windows Security Update for August 2023
941412 AlmaLinux Security Update for linux-firmware (ALSA-2023:6595)
941456 AlmaLinux Security Update for linux-firmware (ALSA-2023:7109)
941540 AlmaLinux Security Update for kernel (ALSA-2024:0113)
961107 Rocky Linux Security Update for kernel-rt (RLSA-2024:0134)

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