



# CVE-2022-23825

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## Summary

<b>CVE</b>	CVE-2022-23825
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@amd.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-07-14 20:15:00 UTC
<b>Updated</b>	2024-02-04 08:15:00 UTC
<b>Description</b>	Aliases in the branch predictor may cause some AMD processors to predict the wrong branch type potentially leading to inf

## Risk And Classification

**Problem Types:** CWE-668

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Amd</a>	<a href="#">A10-9600p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A10-9600p Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A10-9630p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A10-9630p Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A12-9700p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A12-9700p Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A12-9730p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A12-9730p Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A4-9120</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A4-9120 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A6-9210</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A6-9210 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A6-9220</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A6-9220c</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A6-9220c Firmware</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">A6-9220 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">A9-9410</a>	-	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 3150u	-	All	All	All
Operating System	Amd	Athlon Gold 3150u 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
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 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	<a href="#">Amd</a>	<a href="#">Epyc 7251</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7251 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7252</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7252 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7261</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7261 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7262</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7262 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7272</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7272 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7281</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7281 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7282</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7282 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7301</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7301 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7302</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7302p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7302p Firmware</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7302 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7351</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7351p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7351p Firmware</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7351 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7352</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7352 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7371</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7371 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7401</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7401p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7401p Firmware</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7401 Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7402</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7402p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7402p Firmware</a>	-	All	All	All

Operating System	Amd	Epyc /402 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
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 3200u	-	All	All	All
Operating System	Amd	Ryzen 3 3200u Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 3250u	-	All	All	All
Operating System	Amd	Ryzen 3 3250u 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 3300u	-	All	All	All
Operating System	Amd	Ryzen 3 3300u 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 4300u	-	All	All	All
Operating System	Amd	Ryzen 3 4300u 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 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 2700	-	All	All	All
Hardware	Amd	Ryzen 5 2700x	-	All	All	All

Operating System	Amd	Ryzen 5 2700x Firmware	-	All	All	All
Operating System	Amd	Ryzen 5 2700 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 3450g	-	All	All	All
Operating System	Amd	Ryzen 5 3450g Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 3500u	-	All	All	All
Operating System	Amd	Ryzen 5 3500u Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 3550h	-	All	All	All
Operating System	Amd	Ryzen 5 3550h Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 3600	-	All	All	All
Hardware	Amd	Ryzen 5 3600x	-	All	All	All
Hardware	Amd	Ryzen 5 3600xt	-	All	All	All
Operating System	Amd	Ryzen 5 3600xt Firmware	-	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 4500u	-	All	All	All
Operating System	Amd	Ryzen 5 4500u 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 4600u	-	All	All	All
Operating System	Amd	Ryzen 5 4600u 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 3700u	-	All	All	All
Operating System	Amd	Ryzen 7 3700u Firmware	-	All	All	All

Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 3700u Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 3700x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 3700x Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 3750h</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 3750h Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 3800x</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 3800xt</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 3800xt Firmware</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 3800x Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 4700g</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 4700ge</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 4700ge Firmware</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 4700g Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 4700u</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 4700u Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 4800h</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 4800h Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 4800u</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 7 4800u Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 4900h</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 9 4900h Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2920x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2920x Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2950x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2950x Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2970wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2970wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2990wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 2990wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 3960x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 3960x Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 3970x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 3970x Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 3990x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper 3990x Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3795wx</a>	-	All	All	All

Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3795wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3945wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3945wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3955wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3955wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3995wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 3995wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5945wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5945wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5955wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5955wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5965wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5965wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5975wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5975wx Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5995wx</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Threadripper Pro 5995wx Firmware</a>	-	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	35	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	36	All	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	-	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	beta	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_1	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_1a	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_1b	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_1c	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_1d	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_2	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_2a	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_2c	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_2d	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_2e	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_3c	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_3d	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Esxi</a>	7.0	update_3e	All	All

## References

Reference	Source	Link
oss-security - Xen Security Advisory 422 v2 (CVE-2022-23824) - x86: Multiple speculative security issues	MLIST	<a href="http://www.openwall.com">www.openwall.com</a>
[SECURITY] Fedora 36 Update: xen-4.16.1-6.fc36 - package-announce - Fedora Mailing-Lists		<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
[SECURITY] Fedora 35 Update: xen-4.15.3-4.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
Xen: Multiple Vulnerabilities (GLSA 202402-07) — Gentoo security		<a href="http://security.gentoo.org">security.gentoo.org</a>
[SECURITY] Fedora 35 Update: xen-4.15.3-4.fc35 - package-announce - Fedora Mailing-Lists		<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
[SECURITY] Fedora 35 Update: kernel-5.18.11-100.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
[SECURITY] Fedora 36 Update: kernel-5.18.11-200.fc36 - package-announce - Fedora Mailing-Lists		<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
[SECURITY] Fedora 36 Update: kernel-5.18.11-200.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
Debian -- Security Information -- DSA-5184-1 xen	DEBIAN	<a href="http://www.debian.org">www.debian.org</a>
AMD CPU Branch Type Confusion   AMD	MISC	<a href="http://www.amd.com">www.amd.com</a>
[SECURITY] Fedora 35 Update: kernel-5.18.11-100.fc35 - package-announce - Fedora Mailing-Lists		<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
[SECURITY] Fedora 36 Update: xen-4.16.1-6.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="http://lists.fedoraproject.org">lists.fedoraproject.org</a>
oss-security - Xen Security Advisory 422 v1 (CVE-2022-23824) - x86: Multiple speculative security issues	MLIST	<a href="http://www.openwall.com">www.openwall.com</a>
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[160171](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2022-7110)

[160199](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2022-7337)

[160270](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2022-8267)

[180893](#) Debian Security Update for xen (DSA 5184-1)

[216294](#) VMware ESXi 6.5 Patch Release ESXi650-202207401-SG Missing (VMSA-2022-0020)

[216295](#) VMware ESXi 6.7 Patch Release ESXi670-202207401-SG Missing (VMSA-2022-0020)

[216296](#) VMware ESXi 7.0 Patch Release ESXi70U3sf-20036586 Missing (VMSA-2022-0020)

[240776](#) Red Hat Update for kernel-rt (RHSA-2022:7134)

[240782](#) Red Hat Update for kernel security (RHSA-2022:7110)

[240807](#) Red Hat Update for kernel (RHSA-2022:7337)

[240811](#) Red Hat Update for kernel-rt (RHSA-2022:7338)

<a href="#">240869</a> Red Hat Update for kernel-rt (RHSA-2022:7933)
<a href="#">240904</a> Red Hat Update for kernel security (RHSA-2022:8267)
<a href="#">241008</a> Red Hat Update for kernel (RHSA-2022:8973)
<a href="#">241009</a> Red Hat Update for kernel-rt (RHSA-2022:8974)
<a href="#">282932</a> Fedora Security Update for kernel (FEDORA-2022-c69ef9c1dd)
<a href="#">282938</a> Fedora Security Update for kernel (FEDORA-2022-8aab5b5cde)
<a href="#">282949</a> Fedora Security Update for xen (FEDORA-2022-3e6ce58029)
<a href="#">283032</a> Fedora Security Update for xen (FEDORA-2022-a0d7a5eaf2)
<a href="#">296105</a> Oracle Solaris 11.4 Support Repository Update (SRU) 63.157.1 Missing (CPUOCT2023)
<a href="#">354050</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-006
<a href="#">354051</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-019
<a href="#">354285</a> Amazon Linux Security Advisory for kernel : ALAS2022-2022-127
<a href="#">354433</a> Amazon Linux Security Advisory for kernel : ALAS2022-2022-142
<a href="#">354468</a> Amazon Linux Security Advisory for kernel : ALAS2022-2022-185
<a href="#">354542</a> Amazon Linux Security Advisory for kernel : ALAS-2022-185
<a href="#">355199</a> Amazon Linux Security Advisory for kernel : ALAS2023-2023-070
<a href="#">377771</a> Citrix XenServer Security Updates (CTX461397)
<a href="#">502426</a> Alpine Linux Security Update for xen
<a href="#">502427</a> Alpine Linux Security Update for xen
<a href="#">502429</a> Alpine Linux Security Update for xen
<a href="#">502815</a> Alpine Linux Security Update for xen
<a href="#">503071</a> Alpine Linux Security Update for xen
<a href="#">503074</a> Alpine Linux Security Update for xen
<a href="#">503078</a> Alpine Linux Security Update for xen
<a href="#">503083</a> Alpine Linux Security Update for xen
<a href="#">503339</a> Alpine Linux Security Update for xen
<a href="#">503342</a> Alpine Linux Security Update for xen
<a href="#">503346</a> Alpine Linux Security Update for xen
<a href="#">503351</a> Alpine Linux Security Update for xen

503413 Alpine Linux Security Update for xen

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503652 Alpine Linux Security Update for xen

503662 Alpine Linux Security Update for xen
503663 Alpine Linux Security Update for xen
503666 Alpine Linux Security Update for xen
503671 Alpine Linux Security Update for xen
505963 Alpine Linux Security Update for xen
6140311 AWS Bottlerocket Security Update for kernel (GHSA-c7pg-8rq-3322)
710858 Gentoo Linux Xen Multiple Vulnerabilities (GLSA 202402-07)
752393 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:2557-1)
752395 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:2560-1)
752399 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:2601-1)
752400 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:2600-1)
752405 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:2599-1)
752410 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:2597-1)
752411 SUSE Enterprise Linux Security Update for xen (SUSE-SU-2022:2591-1)
91922 Microsoft Windows Security Update for July 2022
91927 Microsoft Azure Stack Hub Security Updates for July 2022
940709 AlmaLinux Security Update for kernel-rt (ALSA-2022:7134)
940719 AlmaLinux Security Update for kernel (ALSA-2022:7110)
940798 AlmaLinux Security Update for kernel (ALSA-2022:8267)
940843 AlmaLinux Security Update for kernel-rt (ALSA-2022:7933)
960271 Rocky Linux Security Update for kernel-rt (RLSA-2022:7134)
960397 Rocky Linux Security Update for kernel (RLSA-2022:7110)

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