



# CVE-2022-29900

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2022-29900
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@amd.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-07-12 19:15:00 UTC
<b>Updated</b>	2024-02-04 08:15:00 UTC
<b>Description</b>	Mis-trained branch predictions for return instructions may allow arbitrary speculative code execution under certain microarch

## Risk And Classification

**Problem Types:** CWE-212

## 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	<a href="#">A9-9410 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">A9-9420</a>	-	All	All	All
Operating System	Amd	<a href="#">A9-9420 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon Gold 3150u</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon Gold 3150u Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon Silver 3050u</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon Silver 3050u Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 750</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 750 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 760k</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 760k Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 830</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 830 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 835</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 835 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 840</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 840 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 845</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 845 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 860k</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 860k Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 870k</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 870k Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 880k</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 880k Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 940</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 940 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 950</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 950 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Athlon X4 970</a>	-	All	All	All
Operating System	Amd	<a href="#">Athlon X4 970 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Epyc 7001</a>	-	All	All	All
Operating System	Amd	<a href="#">Epyc 7001 Firmware</a>	-	All	All	All
Hardware	Amd	<a href="#">Epyc 7002</a>	-	All	All	All
Operating System	Amd	<a href="#">Epyc 7002 Firmware</a>	-	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 /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="#">Xen</a>	<a href="#">Xen</a>	-	All	All	All

## References

### Reference

[SECURITY] Fedora 35 Update: xen-4.15.3-4.fc35 - package-announce - Fedora Mailing-Lists

Debian -- Security Information -- DSA-5207-1 linux

oss-security - Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code ex

Xen: Multiple Vulnerabilities (GLSA 202402-07) — Gentoo security

[SECURITY] Fedora 35 Update: xen-4.15.3-4.fc35 - package-announce - Fedora Mailing-Lists

XSA-407 - Xen Security Advisories

oss-security - Re: Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code

Retbleed: Intel and AMD Processors Vulnerability. Patch Now!

[SECURITY] Fedora 35 Update: kernel-5.18.11-100.fc35 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: kernel-5.18.11-200.fc36 - package-announce - Fedora Mailing-Lists

AMD CPU Branch Type Confusion | AMD

comsec.ethz.ch/retbleed

Debian -- Security Information -- DSA-5184-1 xen

[SECURITY] [DLA 3102-1] linux-5.10 new package

oss-security - Re: Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code

[SECURITY] Fedora 36 Update: xen-4.16.1-6.fc36 - package-announce - Fedora Mailing-Lists

oss-security - Re: Xen Security Advisory 407 v1 (CVE-2022-23816,CVE-2022-23825,CVE-2022-29900) - Retbleed - arbitrary speculative code

CVE Program record

NVD vulnerability detail



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)
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