



CVE-2022-33196

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

Summary

CVE	CVE-2022-33196
State	PUBLIC
Assigner	secure@intel.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-02-16 21:15:00 UTC
Updated	2023-03-06 15:52:00 UTC
Description	Incorrect default permissions in some memory controller configurations for some Intel(R) Xeon(R) Processors when using I

Risk And Classification

Problem Types: CWE-276

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Intel	Xeon D-1513n	-	All	All	All
Operating System	Intel	Xeon D-1513n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1518	-	All	All	All
Operating System	Intel	Xeon D-1518 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1520	-	All	All	All
Operating System	Intel	Xeon D-1520 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1521	-	All	All	All
Operating System	Intel	Xeon D-1521 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1523n	-	All	All	All
Operating System	Intel	Xeon D-1523n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1527	-	All	All	All
Operating System	Intel	Xeon D-1527 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1528	-	All	All	All
Operating System	Intel	Xeon D-1528 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1529	-	All	All	All
Operating System	Intel	Xeon D-1529 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1531	-	All	All	All

Operating System	Intel	Xeon D-1531 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1533n	-	All	All	All
Operating System	Intel	Xeon D-1533n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1537	-	All	All	All
Operating System	Intel	Xeon D-1537 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1539	-	All	All	All
Operating System	Intel	Xeon D-1539 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1540	-	All	All	All
Operating System	Intel	Xeon D-1540 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1541	-	All	All	All
Operating System	Intel	Xeon D-1541 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1543n	-	All	All	All
Operating System	Intel	Xeon D-1543n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1548	-	All	All	All
Operating System	Intel	Xeon D-1548 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1553n	-	All	All	All
Operating System	Intel	Xeon D-1553n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1557	-	All	All	All
Operating System	Intel	Xeon D-1557 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1559	-	All	All	All
Operating System	Intel	Xeon D-1559 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1567	-	All	All	All
Operating System	Intel	Xeon D-1567 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1571	-	All	All	All
Operating System	Intel	Xeon D-1571 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1577	-	All	All	All
Operating System	Intel	Xeon D-1577 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1602	-	All	All	All
Operating System	Intel	Xeon D-1602 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1622	-	All	All	All
Operating System	Intel	Xeon D-1622 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1623n	-	All	All	All
Operating System	Intel	Xeon D-1623n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1627	-	All	All	All
Operating System	Intel	Xeon D-1627 Firmware	-	All	All	All

Hardware	Intel	Xeon D-1633n	-	All	All	All
Operating System	Intel	Xeon D-1633n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1637	-	All	All	All
Operating System	Intel	Xeon D-1637 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1649n	-	All	All	All
Operating System	Intel	Xeon D-1649n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1653n	-	All	All	All
Operating System	Intel	Xeon D-1653n Firmware	-	All	All	All
Hardware	Intel	Xeon D-1702	-	All	All	All
Operating System	Intel	Xeon D-1702 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1712tr	-	All	All	All
Operating System	Intel	Xeon D-1712tr Firmware	-	All	All	All
Hardware	Intel	Xeon D-1713nt	-	All	All	All
Hardware	Intel	Xeon D-1713nte	-	All	All	All
Operating System	Intel	Xeon D-1713nte Firmware	-	All	All	All
Operating System	Intel	Xeon D-1713nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-1714	-	All	All	All
Operating System	Intel	Xeon D-1714 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1715ter	-	All	All	All
Operating System	Intel	Xeon D-1715ter Firmware	-	All	All	All
Hardware	Intel	Xeon D-1718t	-	All	All	All
Operating System	Intel	Xeon D-1718t Firmware	-	All	All	All
Hardware	Intel	Xeon D-1722ne	-	All	All	All
Operating System	Intel	Xeon D-1722ne Firmware	-	All	All	All
Hardware	Intel	Xeon D-1726	-	All	All	All
Operating System	Intel	Xeon D-1726 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1732te	-	All	All	All
Operating System	Intel	Xeon D-1732te Firmware	-	All	All	All
Hardware	Intel	Xeon D-1733nt	-	All	All	All
Operating System	Intel	Xeon D-1733nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-1734nt	-	All	All	All
Operating System	Intel	Xeon D-1734nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-1735tr	-	All	All	All
Operating System	Intel	Xeon D-1735tr Firmware	-	All	All	All
Hardware	Intel	Xeon D-1736	-	All	All	All

Hardware	Intel	Xeon D-1736nt	-	All	All	All
Operating System	Intel	Xeon D-1736nt Firmware	-	All	All	All
Operating System	Intel	Xeon D-1736 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1739	-	All	All	All
Operating System	Intel	Xeon D-1739 Firmware	-	All	All	All
Hardware	Intel	Xeon D-1746ter	-	All	All	All
Operating System	Intel	Xeon D-1746ter Firmware	-	All	All	All
Hardware	Intel	Xeon D-1747nte	-	All	All	All
Operating System	Intel	Xeon D-1747nte Firmware	-	All	All	All
Hardware	Intel	Xeon D-1748te	-	All	All	All
Operating System	Intel	Xeon D-1748te Firmware	-	All	All	All
Hardware	Intel	Xeon D-1749nt	-	All	All	All
Operating System	Intel	Xeon D-1749nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2123it	-	All	All	All
Operating System	Intel	Xeon D-2123it Firmware	-	All	All	All
Hardware	Intel	Xeon D-2141i	-	All	All	All
Operating System	Intel	Xeon D-2141i Firmware	-	All	All	All
Hardware	Intel	Xeon D-2142it	-	All	All	All
Operating System	Intel	Xeon D-2142it Firmware	-	All	All	All
Hardware	Intel	Xeon D-2143it	-	All	All	All
Operating System	Intel	Xeon D-2143it Firmware	-	All	All	All
Hardware	Intel	Xeon D-2145nt	-	All	All	All
Operating System	Intel	Xeon D-2145nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2146nt	-	All	All	All
Operating System	Intel	Xeon D-2146nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2161i	-	All	All	All
Operating System	Intel	Xeon D-2161i Firmware	-	All	All	All
Hardware	Intel	Xeon D-2163it	-	All	All	All
Operating System	Intel	Xeon D-2163it Firmware	-	All	All	All
Hardware	Intel	Xeon D-2166nt	-	All	All	All
Operating System	Intel	Xeon D-2166nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2173it	-	All	All	All
Operating System	Intel	Xeon D-2173it Firmware	-	All	All	All
Hardware	Intel	Xeon D-2177nt	-	All	All	All
Operating System	Intel	Xeon D-2177nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2183it	-	All	All	All

Operating System	Intel	Xeon D-2183it Firmware	-	All	All	All
Hardware	Intel	Xeon D-2187nt	-	All	All	All
Operating System	Intel	Xeon D-2187nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2712t	-	All	All	All
Operating System	Intel	Xeon D-2712t Firmware	-	All	All	All
Hardware	Intel	Xeon D-2733nt	-	All	All	All
Operating System	Intel	Xeon D-2733nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2738	-	All	All	All
Operating System	Intel	Xeon D-2738 Firmware	-	All	All	All
Hardware	Intel	Xeon D-2745nx	-	All	All	All
Operating System	Intel	Xeon D-2745nx Firmware	-	All	All	All
Hardware	Intel	Xeon D-2752nte	-	All	All	All
Operating System	Intel	Xeon D-2752nte Firmware	-	All	All	All
Hardware	Intel	Xeon D-2752ter	-	All	All	All
Operating System	Intel	Xeon D-2752ter Firmware	-	All	All	All
Hardware	Intel	Xeon D-2753nt	-	All	All	All
Operating System	Intel	Xeon D-2753nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2757nx	-	All	All	All
Operating System	Intel	Xeon D-2757nx Firmware	-	All	All	All
Hardware	Intel	Xeon D-2766nt	-	All	All	All
Operating System	Intel	Xeon D-2766nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2775te	-	All	All	All
Operating System	Intel	Xeon D-2775te Firmware	-	All	All	All
Hardware	Intel	Xeon D-2776nt	-	All	All	All
Operating System	Intel	Xeon D-2776nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2777nx	-	All	All	All
Operating System	Intel	Xeon D-2777nx Firmware	-	All	All	All
Hardware	Intel	Xeon D-2779	-	All	All	All
Operating System	Intel	Xeon D-2779 Firmware	-	All	All	All
Hardware	Intel	Xeon D-2786nte	-	All	All	All
Operating System	Intel	Xeon D-2786nte Firmware	-	All	All	All
Hardware	Intel	Xeon D-2795nt	-	All	All	All
Operating System	Intel	Xeon D-2795nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2796nt	-	All	All	All
Operating System	Intel	Xeon D-2796nt Firmware	-	All	All	All

Hardware	Intel	Xeon D-2796te	-	All	All	All
Operating System	Intel	Xeon D-2796te Firmware	-	All	All	All
Hardware	Intel	Xeon D-2798nt	-	All	All	All
Operating System	Intel	Xeon D-2798nt Firmware	-	All	All	All
Hardware	Intel	Xeon D-2798nx	-	All	All	All
Operating System	Intel	Xeon D-2798nx Firmware	-	All	All	All
Hardware	Intel	Xeon D-2799	-	All	All	All
Operating System	Intel	Xeon D-2799 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5315y	-	All	All	All
Operating System	Intel	Xeon Gold 5315y Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5317	-	All	All	All
Operating System	Intel	Xeon Gold 5317 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5318h	-	All	All	All
Operating System	Intel	Xeon Gold 5318h Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5318n	-	All	All	All
Operating System	Intel	Xeon Gold 5318n Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5318s	-	All	All	All
Operating System	Intel	Xeon Gold 5318s Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5318y	-	All	All	All
Operating System	Intel	Xeon Gold 5318y Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5320	-	All	All	All
Hardware	Intel	Xeon Gold 5320h	-	All	All	All
Operating System	Intel	Xeon Gold 5320h Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 5320t	-	All	All	All
Operating System	Intel	Xeon Gold 5320t Firmware	-	All	All	All
Operating System	Intel	Xeon Gold 5320 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6312u	-	All	All	All
Operating System	Intel	Xeon Gold 6312u Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6314u	-	All	All	All
Operating System	Intel	Xeon Gold 6314u Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6326	-	All	All	All
Operating System	Intel	Xeon Gold 6326 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6328h	-	All	All	All
Hardware	Intel	Xeon Gold 6328hl	-	All	All	All
Operating System	Intel	Xeon Gold 6328hl Firmware	-	All	All	All
Operating System	Intel	Xeon Gold 6328h Firmware	-	All	All	All

Operating System	intel	Xeon Gold 6328n Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6330	-	All	All	All
Hardware	Intel	Xeon Gold 6330h	-	All	All	All
Operating System	Intel	Xeon Gold 6330h Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6330n	-	All	All	All
Operating System	Intel	Xeon Gold 6330n Firmware	-	All	All	All
Operating System	Intel	Xeon Gold 6330 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6334	-	All	All	All
Operating System	Intel	Xeon Gold 6334 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6336y	-	All	All	All
Operating System	Intel	Xeon Gold 6336y Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6338	-	All	All	All
Hardware	Intel	Xeon Gold 6338n	-	All	All	All
Operating System	Intel	Xeon Gold 6338n Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6338t	-	All	All	All
Operating System	Intel	Xeon Gold 6338t Firmware	-	All	All	All
Operating System	Intel	Xeon Gold 6338 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6342	-	All	All	All
Operating System	Intel	Xeon Gold 6342 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6346	-	All	All	All
Operating System	Intel	Xeon Gold 6346 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6348	-	All	All	All
Hardware	Intel	Xeon Gold 6348h	-	All	All	All
Operating System	Intel	Xeon Gold 6348h Firmware	-	All	All	All
Operating System	Intel	Xeon Gold 6348 Firmware	-	All	All	All
Hardware	Intel	Xeon Gold 6354	-	All	All	All
Operating System	Intel	Xeon Gold 6354 Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8351n	-	All	All	All
Operating System	Intel	Xeon Platinum 8351n Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8352m	-	All	All	All
Operating System	Intel	Xeon Platinum 8352m Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8352s	-	All	All	All
Operating System	Intel	Xeon Platinum 8352s Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8352v	-	All	All	All
Operating System	Intel	Xeon Platinum 8352v Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8352y	-	All	All	All

Operating System	Intel	Xeon Platinum 8352y Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8353h	-	All	All	All
Operating System	Intel	Xeon Platinum 8353h Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8354h	-	All	All	All
Operating System	Intel	Xeon Platinum 8354h Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8356h	-	All	All	All
Operating System	Intel	Xeon Platinum 8356h Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8358	-	All	All	All
Hardware	Intel	Xeon Platinum 8358p	-	All	All	All
Operating System	Intel	Xeon Platinum 8358p Firmware	-	All	All	All
Operating System	Intel	Xeon Platinum 8358 Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8360h	-	All	All	All
Hardware	Intel	Xeon Platinum 8360hl	-	All	All	All
Operating System	Intel	Xeon Platinum 8360hl Firmware	-	All	All	All
Operating System	Intel	Xeon Platinum 8360h Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8360y	-	All	All	All
Operating System	Intel	Xeon Platinum 8360y Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8362	-	All	All	All
Operating System	Intel	Xeon Platinum 8362 Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8368	-	All	All	All
Hardware	Intel	Xeon Platinum 8368q	-	All	All	All
Operating System	Intel	Xeon Platinum 8368q Firmware	-	All	All	All
Operating System	Intel	Xeon Platinum 8368 Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8376h	-	All	All	All
Hardware	Intel	Xeon Platinum 8376hl	-	All	All	All
Operating System	Intel	Xeon Platinum 8376hl Firmware	-	All	All	All
Operating System	Intel	Xeon Platinum 8376h Firmware	-	All	All	All
Hardware	Intel	Xeon Platinum 8380	-	All	All	All
Hardware	Intel	Xeon Platinum 8380h	-	All	All	All
Hardware	Intel	Xeon Platinum 8380hl	-	All	All	All
Operating System	Intel	Xeon Platinum 8380hl Firmware	-	All	All	All
Operating System	Intel	Xeon Platinum 8380h Firmware	-	All	All	All
Operating System	Intel	Xeon Platinum 8380 Firmware	-	All	All	All
Hardware	Intel	Xeon Silver 4309y	-	All	All	All
Operating System	Intel	Xeon Silver 4309y Firmware	-	All	All	All

Hardware	Intel	Xeon Silver 4310	-	All	All	All
Hardware	Intel	Xeon Silver 4310t	-	All	All	All
Operating System	Intel	Xeon Silver 4310t Firmware	-	All	All	All
Operating System	Intel	Xeon Silver 4310 Firmware	-	All	All	All
Hardware	Intel	Xeon Silver 4314	-	All	All	All
Operating System	Intel	Xeon Silver 4314 Firmware	-	All	All	All
Hardware	Intel	Xeon Silver 4316	-	All	All	All
Operating System	Intel	Xeon Silver 4316 Firmware	-	All	All	All

References

Reference	Source	Link	Tags
INTEL-SA-00738	MISC	www.intel.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

181650 Debian Security Update for intel-microcode (DLA 3379-1)
184627 Debian Security Update for intel-microcode (CVE-2022-33196)
199188 Ubuntu Security Notification for Intel Microcode Vulnerabilities (USN-5886-1)
284005 Fedora Security Update for microcode_ctl (FEDORA-2023-b28dc472b0)
284099 Fedora Security Update for microcode_ctl (FEDORA-2023-6846a1db56)
354860 Amazon Linux Security Advisory for microcode_ctl : ALAS-2023-1715
355081 Amazon Linux Security Advisory for microcode_ctl : AL2012-2023-406
502666 Alpine Linux Security Update for intel-ucode
504023 Alpine Linux Security Update for intel-ucode
753719 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:0456-1)
753722 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:0454-1)
753726 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:0455-1)
753791 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:0568-1)

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