



CVE-2022-33972

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

Summary

CVE	CVE-2022-33972
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 19:43:00 UTC
Description	Incorrect calculation in microcode keying mechanism for some 3rd Generation Intel(R) Xeon(R) Scalable Processors may a

Risk And Classification

Problem Types: CWE-682

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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
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-00730	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)
183719 Debian Security Update for intel-microcode (CVE-2022-33972)
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)
355328 Amazon Linux Security Advisory for microcode_ctl : ALAS2-2023-2056

355400 Amazon Linux Security Advisory for microcode_ctl : ALAS2023-2023-189
6140137 AWS Bottlerocket Security Update for microcode (GHSA-v8p5-5j8g-cpcg)
754027 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:2244-1)
754028 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:2243-1)
754038 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:2290-1)
754039 SUSE Enterprise Linux Security Update for ucode-intel (SUSE-SU-2023:2289-1)

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