



# CVE-2021-0083

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

## Summary

<b>CVE</b>	CVE-2021-0083
<b>State</b>	PUBLIC
<b>Assigner</b>	secure@intel.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-08-11 13:15:00 UTC
<b>Updated</b>	2021-08-20 16:48:00 UTC
<b>Description</b>	Improper input validation in some Intel(R) Optane(TM) PMem versions before versions 1.2.0.5446 or 2.2.0.1547 may allow

## Risk And Classification

### Problem Types: CWE-20

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Intel	Optane Persistent Memory Firmware	All	All	All	All
Hardware	Intel	Xeon Bronze 3204	-	All	All	All
Hardware	Intel	Xeon Bronze 3206r	-	All	All	All
Hardware	Intel	Xeon Gold 5215	-	All	All	All
Hardware	Intel	Xeon Gold 5215l	-	All	All	All
Hardware	Intel	Xeon Gold 5217	-	All	All	All
Hardware	Intel	Xeon Gold 5218	-	All	All	All
Hardware	Intel	Xeon Gold 5218b	-	All	All	All
Hardware	Intel	Xeon Gold 5218n	-	All	All	All
Hardware	Intel	Xeon Gold 5218r	-	All	All	All
Hardware	Intel	Xeon Gold 5218t	-	All	All	All
Hardware	Intel	Xeon Gold 5220	-	All	All	All
Hardware	Intel	Xeon Gold 5220r	-	All	All	All
Hardware	Intel	Xeon Gold 5220s	-	All	All	All
Hardware	Intel	Xeon Gold 5220t	-	All	All	All
Hardware	Intel	Xeon Gold 5222	-	All	All	All
Hardware	Intel	Xeon Gold 5315y	-	All	All	All

Hardware	Intel	Xeon Gold 5317	-	All	All	All
Hardware	Intel	Xeon Gold 5318h	-	All	All	All
Hardware	Intel	Xeon Gold 5318n	-	All	All	All
Hardware	Intel	Xeon Gold 5318s	-	All	All	All
Hardware	Intel	Xeon Gold 5318y	-	All	All	All
Hardware	Intel	Xeon Gold 5320	-	All	All	All
Hardware	Intel	Xeon Gold 5320h	-	All	All	All
Hardware	Intel	Xeon Gold 5320t	-	All	All	All
Hardware	Intel	Xeon Gold 6208u	-	All	All	All
Hardware	Intel	Xeon Gold 6209u	-	All	All	All
Hardware	Intel	Xeon Gold 6210u	-	All	All	All
Hardware	Intel	Xeon Gold 6212u	-	All	All	All
Hardware	Intel	Xeon Gold 6222v	-	All	All	All
Hardware	Intel	Xeon Gold 6226	-	All	All	All
Hardware	Intel	Xeon Gold 6226r	-	All	All	All
Hardware	Intel	Xeon Gold 6230	-	All	All	All
Hardware	Intel	Xeon Gold 6230n	-	All	All	All
Hardware	Intel	Xeon Gold 6230r	-	All	All	All
Hardware	Intel	Xeon Gold 6230t	-	All	All	All
Hardware	Intel	Xeon Gold 6234	-	All	All	All
Hardware	Intel	Xeon Gold 6238	-	All	All	All
Hardware	Intel	Xeon Gold 6238l	-	All	All	All
Hardware	Intel	Xeon Gold 6238r	-	All	All	All
Hardware	Intel	Xeon Gold 6238t	-	All	All	All
Hardware	Intel	Xeon Gold 6240	-	All	All	All
Hardware	Intel	Xeon Gold 6240l	-	All	All	All
Hardware	Intel	Xeon Gold 6240r	-	All	All	All
Hardware	Intel	Xeon Gold 6240y	-	All	All	All
Hardware	Intel	Xeon Gold 6242	-	All	All	All
Hardware	Intel	Xeon Gold 6242r	-	All	All	All
Hardware	Intel	Xeon Gold 6244	-	All	All	All
Hardware	Intel	Xeon Gold 6246	-	All	All	All
Hardware	Intel	Xeon Gold 6246r	-	All	All	All
Hardware	Intel	Xeon Gold 6248	-	All	All	All
Hardware	Intel	Xeon Gold 6248r	-	All	All	All

Hardware	Intel	Xeon Gold 6250	-	All	All	All
Hardware	Intel	Xeon Gold 6250l	-	All	All	All
Hardware	Intel	Xeon Gold 6252	-	All	All	All
Hardware	Intel	Xeon Gold 6252n	-	All	All	All
Hardware	Intel	Xeon Gold 6254	-	All	All	All
Hardware	Intel	Xeon Gold 6256	-	All	All	All
Hardware	Intel	Xeon Gold 6258r	-	All	All	All
Hardware	Intel	Xeon Gold 6262v	-	All	All	All
Hardware	Intel	Xeon Gold 6312u	-	All	All	All
Hardware	Intel	Xeon Gold 6314u	-	All	All	All
Hardware	Intel	Xeon Gold 6326	-	All	All	All
Hardware	Intel	Xeon Gold 6328h	-	All	All	All
Hardware	Intel	Xeon Gold 6328hl	-	All	All	All
Hardware	Intel	Xeon Gold 6330	-	All	All	All
Hardware	Intel	Xeon Gold 6330h	-	All	All	All
Hardware	Intel	Xeon Gold 6330n	-	All	All	All
Hardware	Intel	Xeon Gold 6334	-	All	All	All
Hardware	Intel	Xeon Gold 6336y	-	All	All	All
Hardware	Intel	Xeon Gold 6338	-	All	All	All
Hardware	Intel	Xeon Gold 6338n	-	All	All	All
Hardware	Intel	Xeon Gold 6338t	-	All	All	All
Hardware	Intel	Xeon Gold 6342	-	All	All	All
Hardware	Intel	Xeon Gold 6346	-	All	All	All
Hardware	Intel	Xeon Gold 6348	-	All	All	All
Hardware	Intel	Xeon Gold 6348h	-	All	All	All
Hardware	Intel	Xeon Gold 6354	-	All	All	All
Hardware	Intel	Xeon Platinum 8253	-	All	All	All
Hardware	Intel	Xeon Platinum 8256	-	All	All	All
Hardware	Intel	Xeon Platinum 8260	-	All	All	All
Hardware	Intel	Xeon Platinum 8260l	-	All	All	All
Hardware	Intel	Xeon Platinum 8260y	-	All	All	All
Hardware	Intel	Xeon Platinum 8268	-	All	All	All
Hardware	Intel	Xeon Platinum 8270	-	All	All	All
Hardware	Intel	Xeon Platinum 8274	-	All	All	All
Hardware	Intel	Xeon Platinum 8276	-	All	All	All

Hardware	Intel	Xeon Platinum 8276i	-	All	All	All
Hardware	Intel	Xeon Platinum 8280	-	All	All	All
Hardware	Intel	Xeon Platinum 8280i	-	All	All	All
Hardware	Intel	Xeon Platinum 8351n	-	All	All	All
Hardware	Intel	Xeon Platinum 8352m	-	All	All	All
Hardware	Intel	Xeon Platinum 8352s	-	All	All	All
Hardware	Intel	Xeon Platinum 8352v	-	All	All	All
Hardware	Intel	Xeon Platinum 8352y	-	All	All	All
Hardware	Intel	Xeon Platinum 8353h	-	All	All	All
Hardware	Intel	Xeon Platinum 8354h	-	All	All	All
Hardware	Intel	Xeon Platinum 8356h	-	All	All	All
Hardware	Intel	Xeon Platinum 8358	-	All	All	All
Hardware	Intel	Xeon Platinum 8358p	-	All	All	All
Hardware	Intel	Xeon Platinum 8360h	-	All	All	All
Hardware	Intel	Xeon Platinum 8360hl	-	All	All	All
Hardware	Intel	Xeon Platinum 8360y	-	All	All	All
Hardware	Intel	Xeon Platinum 8362	-	All	All	All
Hardware	Intel	Xeon Platinum 8368	-	All	All	All
Hardware	Intel	Xeon Platinum 8368q	-	All	All	All
Hardware	Intel	Xeon Platinum 8376h	-	All	All	All
Hardware	Intel	Xeon Platinum 8376hl	-	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
Hardware	Intel	Xeon Platinum 9221	-	All	All	All
Hardware	Intel	Xeon Platinum 9222	-	All	All	All
Hardware	Intel	Xeon Platinum 9242	-	All	All	All
Hardware	Intel	Xeon Platinum 9282	-	All	All	All
Hardware	Intel	Xeon Silver 4208	-	All	All	All
Hardware	Intel	Xeon Silver 4209t	-	All	All	All
Hardware	Intel	Xeon Silver 4210	-	All	All	All
Hardware	Intel	Xeon Silver 4210r	-	All	All	All
Hardware	Intel	Xeon Silver 4210t	-	All	All	All
Hardware	Intel	Xeon Silver 4214	-	All	All	All
Hardware	Intel	Xeon Silver 4214r	-	All	All	All
Hardware	Intel	Xeon Silver 4214y	-	All	All	All

Hardware	Intel	Xeon Silver 4215	-	All	All	All
Hardware	Intel	Xeon Silver 4215r	-	All	All	All
Hardware	Intel	Xeon Silver 4216	-	All	All	All
Hardware	Intel	Xeon Silver 4309y	-	All	All	All
Hardware	Intel	Xeon Silver 4310	-	All	All	All
Hardware	Intel	Xeon Silver 4310t	-	All	All	All
Hardware	Intel	Xeon Silver 4314	-	All	All	All
Hardware	Intel	Xeon Silver 4316	-	All	All	All
Hardware	Intel	Xeon W-10855m	-	All	All	All
Hardware	Intel	Xeon W-10885m	-	All	All	All
Hardware	Intel	Xeon W-11155mle	-	All	All	All
Hardware	Intel	Xeon W-11155mre	-	All	All	All
Hardware	Intel	Xeon W-11555mle	-	All	All	All
Hardware	Intel	Xeon W-11555mre	-	All	All	All
Hardware	Intel	Xeon W-11855m	-	All	All	All
Hardware	Intel	Xeon W-11865mle	-	All	All	All
Hardware	Intel	Xeon W-11865mre	-	All	All	All
Hardware	Intel	Xeon W-11955m	-	All	All	All
Hardware	Intel	Xeon W-1250	-	All	All	All
Hardware	Intel	Xeon W-1250e	-	All	All	All
Hardware	Intel	Xeon W-1250p	-	All	All	All
Hardware	Intel	Xeon W-1250te	-	All	All	All
Hardware	Intel	Xeon W-1270	-	All	All	All
Hardware	Intel	Xeon W-1270e	-	All	All	All
Hardware	Intel	Xeon W-1270p	-	All	All	All
Hardware	Intel	Xeon W-1270te	-	All	All	All
Hardware	Intel	Xeon W-1290	-	All	All	All
Hardware	Intel	Xeon W-1290e	-	All	All	All
Hardware	Intel	Xeon W-1290p	-	All	All	All
Hardware	Intel	Xeon W-1290t	-	All	All	All
Hardware	Intel	Xeon W-1290te	-	All	All	All
Hardware	Intel	Xeon W-1350	-	All	All	All
Hardware	Intel	Xeon W-1350p	-	All	All	All
Hardware	Intel	Xeon W-1370	-	All	All	All
Hardware	Intel	Xeon W-1370p	-	All	All	All

Hardware	Intel	Xeon W-1390	-	All	All	All
Hardware	Intel	Xeon W-1390p	-	All	All	All
Hardware	Intel	Xeon W-1390t	-	All	All	All
Hardware	Intel	Xeon W-2123	-	All	All	All
Hardware	Intel	Xeon W-2125	-	All	All	All
Hardware	Intel	Xeon W-2133	-	All	All	All
Hardware	Intel	Xeon W-2135	-	All	All	All
Hardware	Intel	Xeon W-2145	-	All	All	All
Hardware	Intel	Xeon W-2155	-	All	All	All
Hardware	Intel	Xeon W-2175	-	All	All	All
Hardware	Intel	Xeon W-2195	-	All	All	All
Hardware	Intel	Xeon W-2223	-	All	All	All
Hardware	Intel	Xeon W-2225	-	All	All	All
Hardware	Intel	Xeon W-2235	-	All	All	All
Hardware	Intel	Xeon W-2245	-	All	All	All
Hardware	Intel	Xeon W-2255	-	All	All	All
Hardware	Intel	Xeon W-2265	-	All	All	All
Hardware	Intel	Xeon W-2275	-	All	All	All
Hardware	Intel	Xeon W-2295	-	All	All	All
Hardware	Intel	Xeon W-3175x	-	All	All	All
Hardware	Intel	Xeon W-3223	-	All	All	All
Hardware	Intel	Xeon W-3225	-	All	All	All
Hardware	Intel	Xeon W-3235	-	All	All	All
Hardware	Intel	Xeon W-3245	-	All	All	All
Hardware	Intel	Xeon W-3245m	-	All	All	All
Hardware	Intel	Xeon W-3265	-	All	All	All
Hardware	Intel	Xeon W-3265m	-	All	All	All
Hardware	Intel	Xeon W-3275	-	All	All	All
Hardware	Intel	Xeon W-3275m	-	All	All	All
Hardware	Intel	Xeon W-3323	-	All	All	All
Hardware	Intel	Xeon W-3335	-	All	All	All
Hardware	Intel	Xeon W-3345	-	All	All	All
Hardware	Intel	Xeon W-3365	-	All	All	All
Hardware	Intel	Xeon W-3375	-	All	All	All

Reference	Source	Link	Tags
INTEL-SA-00512	MISC	<a href="http://www.intel.com">www.intel.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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