



# CVE-2020-8740

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

## Summary

<b>CVE</b>	CVE-2020-8740
<b>State</b>	PUBLIC
<b>Assigner</b>	secure@intel.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2020-11-12 18:15:00 UTC
<b>Updated</b>	2021-01-28 14:42:00 UTC
<b>Description</b>	Out of bounds write in Intel BIOS platform sample code for some Intel(R) Processors may allow a privileged user to potentia

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Intel	Bios	-	All	All	All
Operating System	Intel	Bios	-	All	All	All
Hardware	Intel	Core I5-7640x	-	All	All	All
Hardware	Intel	Core I5-7640x	-	All	All	All
Hardware	Intel	Core I7-3820	-	All	All	All
Hardware	Intel	Core I7-3820	-	All	All	All
Hardware	Intel	Core I7-3920xm	-	All	All	All
Hardware	Intel	Core I7-3920xm	-	All	All	All
Hardware	Intel	Core I7-3930k	-	All	All	All
Hardware	Intel	Core I7-3930k	-	All	All	All
Hardware	Intel	Core I7-3940xm	-	All	All	All
Hardware	Intel	Core I7-3940xm	-	All	All	All
Hardware	Intel	Core I7-3960x	-	All	All	All
Hardware	Intel	Core I7-3960x	-	All	All	All
Hardware	Intel	Core I7-3970x	-	All	All	All
Hardware	Intel	Core I7-3970x	-	All	All	All
Hardware	Intel	Core I7-4820k	-	All	All	All

Hardware	Intel	Core I7-4820k	-	All	All	All
Hardware	Intel	Core I7-4930k	-	All	All	All
Hardware	Intel	Core I7-4930k	-	All	All	All
Hardware	Intel	Core I7-4930mx	-	All	All	All
Hardware	Intel	Core I7-4930mx	-	All	All	All
Hardware	Intel	Core I7-4940mx	-	All	All	All
Hardware	Intel	Core I7-4940mx	-	All	All	All
Hardware	Intel	Core I7-4960x	-	All	All	All
Hardware	Intel	Core I7-4960x	-	All	All	All
Hardware	Intel	Core I7-5820k	-	All	All	All
Hardware	Intel	Core I7-5820k	-	All	All	All
Hardware	Intel	Core I7-5930k	-	All	All	All
Hardware	Intel	Core I7-5930k	-	All	All	All
Hardware	Intel	Core I7-5960x	-	All	All	All
Hardware	Intel	Core I7-5960x	-	All	All	All
Hardware	Intel	Core I7-6800k	-	All	All	All
Hardware	Intel	Core I7-6800k	-	All	All	All
Hardware	Intel	Core I7-6850k	-	All	All	All
Hardware	Intel	Core I7-6850k	-	All	All	All
Hardware	Intel	Core I7-6900k	-	All	All	All
Hardware	Intel	Core I7-6900k	-	All	All	All
Hardware	Intel	Core I7-6950x	-	All	All	All
Hardware	Intel	Core I7-6950x	-	All	All	All
Hardware	Intel	Core I7-7740x	-	All	All	All
Hardware	Intel	Core I7-7740x	-	All	All	All
Hardware	Intel	Core I7-7800x	-	All	All	All
Hardware	Intel	Core I7-7800x	-	All	All	All
Hardware	Intel	Core I7-7820x	-	All	All	All
Hardware	Intel	Core I7-7820x	-	All	All	All
Hardware	Intel	Core I7-9800x	-	All	All	All
Hardware	Intel	Core I7-9800x	-	All	All	All
Hardware	Intel	Core I9-10900x	-	All	All	All
Hardware	Intel	Core I9-10900x	-	All	All	All
Hardware	Intel	Core I9-10920x	-	All	All	All
Hardware	Intel	Core I9-10920x	-	All	All	All

Hardware	Intel	Core I9-10940x	-	All	All	All
Hardware	Intel	Core I9-10940x	-	All	All	All
Hardware	Intel	Core I9-10980xe	-	All	All	All
Hardware	Intel	Core I9-10980xe	-	All	All	All
Hardware	Intel	Core I9-7900x	-	All	All	All
Hardware	Intel	Core I9-7900x	-	All	All	All
Hardware	Intel	Core I9-7920x	-	All	All	All
Hardware	Intel	Core I9-7920x	-	All	All	All
Hardware	Intel	Core I9-7940x	-	All	All	All
Hardware	Intel	Core I9-7940x	-	All	All	All
Hardware	Intel	Core I9-7960x	-	All	All	All
Hardware	Intel	Core I9-7960x	-	All	All	All
Hardware	Intel	Core I9-7980xe	-	All	All	All
Hardware	Intel	Core I9-7980xe	-	All	All	All
Hardware	Intel	Core I9-9820x	-	All	All	All
Hardware	Intel	Core I9-9820x	-	All	All	All
Hardware	Intel	Core I9-9900x	-	All	All	All
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Hardware	Intel	Core I9-9920x	-	All	All	All
Hardware	Intel	Core I9-9920x	-	All	All	All
Hardware	Intel	Core I9-9940x	-	All	All	All
Hardware	Intel	Core I9-9940x	-	All	All	All
Hardware	Intel	Core I9-9960x	-	All	All	All
Hardware	Intel	Core I9-9960x	-	All	All	All
Hardware	Intel	Core I9-9980xe	-	All	All	All
Hardware	Intel	Core I9-9980xe	-	All	All	All
Hardware	Intel	Xeon Bronze 3104	-	All	All	All
Hardware	Intel	Xeon Bronze 3104	-	All	All	All
Hardware	Intel	Xeon Bronze 3106	-	All	All	All
Hardware	Intel	Xeon Bronze 3106	-	All	All	All
Hardware	Intel	Xeon Bronze 3204	-	All	All	All
Hardware	Intel	Xeon Bronze 3204	-	All	All	All
Hardware	Intel	Xeon Bronze 3206r	-	All	All	All
Hardware	Intel	Xeon Bronze 3206r	-	All	All	All
Hardware	Intel	Xeon D-1513n	-	All	All	All
Hardware	Intel	Xeon D-1513n	-	All	All	All

Hardware	Intel	Xeon D-1513n	-	All	All	All
Hardware	Intel	Xeon D-1518	-	All	All	All
Hardware	Intel	Xeon D-1518	-	All	All	All
Hardware	Intel	Xeon D-1520	-	All	All	All
Hardware	Intel	Xeon D-1520	-	All	All	All
Hardware	Intel	Xeon D-1521	-	All	All	All
Hardware	Intel	Xeon D-1521	-	All	All	All
Hardware	Intel	Xeon D-1523n	-	All	All	All
Hardware	Intel	Xeon D-1523n	-	All	All	All
Hardware	Intel	Xeon D-1527	-	All	All	All
Hardware	Intel	Xeon D-1527	-	All	All	All
Hardware	Intel	Xeon D-1528	-	All	All	All
Hardware	Intel	Xeon D-1528	-	All	All	All
Hardware	Intel	Xeon D-1529	-	All	All	All
Hardware	Intel	Xeon D-1529	-	All	All	All
Hardware	Intel	Xeon D-1531	-	All	All	All
Hardware	Intel	Xeon D-1531	-	All	All	All
Hardware	Intel	Xeon D-1533n	-	All	All	All
Hardware	Intel	Xeon D-1533n	-	All	All	All
Hardware	Intel	Xeon D-1537	-	All	All	All
Hardware	Intel	Xeon D-1537	-	All	All	All
Hardware	Intel	Xeon D-1539	-	All	All	All
Hardware	Intel	Xeon D-1539	-	All	All	All
Hardware	Intel	Xeon D-1540	-	All	All	All
Hardware	Intel	Xeon D-1540	-	All	All	All
Hardware	Intel	Xeon D-1541	-	All	All	All
Hardware	Intel	Xeon D-1541	-	All	All	All
Hardware	Intel	Xeon D-1543n	-	All	All	All
Hardware	Intel	Xeon D-1543n	-	All	All	All
Hardware	Intel	Xeon D-1548	-	All	All	All
Hardware	Intel	Xeon D-1548	-	All	All	All
Hardware	Intel	Xeon D-1553n	-	All	All	All
Hardware	Intel	Xeon D-1553n	-	All	All	All
Hardware	Intel	Xeon D-1557	-	All	All	All
Hardware	Intel	Xeon D-1557	-	All	All	All
Hardware	Intel	Xeon D-1559	-	All	All	All

Hardware	Intel	Xeon D-1559	-	All	All	All
Hardware	Intel	Xeon D-1567	-	All	All	All
Hardware	Intel	Xeon D-1567	-	All	All	All
Hardware	Intel	Xeon D-1571	-	All	All	All
Hardware	Intel	Xeon D-1571	-	All	All	All
Hardware	Intel	Xeon D-1577	-	All	All	All
Hardware	Intel	Xeon D-1577	-	All	All	All
Hardware	Intel	Xeon D-1602	-	All	All	All
Hardware	Intel	Xeon D-1602	-	All	All	All
Hardware	Intel	Xeon D-1622	-	All	All	All
Hardware	Intel	Xeon D-1622	-	All	All	All
Hardware	Intel	Xeon D-1623n	-	All	All	All
Hardware	Intel	Xeon D-1623n	-	All	All	All
Hardware	Intel	Xeon D-1627	-	All	All	All
Hardware	Intel	Xeon D-1627	-	All	All	All
Hardware	Intel	Xeon D-1633n	-	All	All	All
Hardware	Intel	Xeon D-1633n	-	All	All	All
Hardware	Intel	Xeon D-1637	-	All	All	All
Hardware	Intel	Xeon D-1637	-	All	All	All
Hardware	Intel	Xeon D-1649n	-	All	All	All
Hardware	Intel	Xeon D-1649n	-	All	All	All
Hardware	Intel	Xeon D-1653n	-	All	All	All
Hardware	Intel	Xeon D-1653n	-	All	All	All
Hardware	Intel	Xeon D-2123it	-	All	All	All
Hardware	Intel	Xeon D-2123it	-	All	All	All
Hardware	Intel	Xeon D-2141i	-	All	All	All
Hardware	Intel	Xeon D-2141i	-	All	All	All
Hardware	Intel	Xeon D-2142it	-	All	All	All
Hardware	Intel	Xeon D-2142it	-	All	All	All
Hardware	Intel	Xeon D-2143it	-	All	All	All
Hardware	Intel	Xeon D-2143it	-	All	All	All
Hardware	Intel	Xeon D-2145nt	-	All	All	All
Hardware	Intel	Xeon D-2145nt	-	All	All	All
Hardware	Intel	Xeon D-2146nt	-	All	All	All
Hardware	Intel	Xeon D-2146nt	-	All	All	All

Hardware	Intel	Xeon D-2161i	-	All	All	All
Hardware	Intel	Xeon D-2161i	-	All	All	All
Hardware	Intel	Xeon D-2163it	-	All	All	All
Hardware	Intel	Xeon D-2163it	-	All	All	All
Hardware	Intel	Xeon D-2166nt	-	All	All	All
Hardware	Intel	Xeon D-2166nt	-	All	All	All
Hardware	Intel	Xeon D-2173it	-	All	All	All
Hardware	Intel	Xeon D-2173it	-	All	All	All
Hardware	Intel	Xeon D-2177nt	-	All	All	All
Hardware	Intel	Xeon D-2177nt	-	All	All	All
Hardware	Intel	Xeon D-2183it	-	All	All	All
Hardware	Intel	Xeon D-2183it	-	All	All	All
Hardware	Intel	Xeon D-2187nt	-	All	All	All
Hardware	Intel	Xeon D-2187nt	-	All	All	All
Hardware	Intel	Xeon E5-1428l V3	-	All	All	All
Hardware	Intel	Xeon E5-1428l V3	-	All	All	All
Hardware	Intel	Xeon E5-1620 V3	-	All	All	All
Hardware	Intel	Xeon E5-1620 V3	-	All	All	All
Hardware	Intel	Xeon E5-1620 V4	-	All	All	All
Hardware	Intel	Xeon E5-1620 V4	-	All	All	All
Hardware	Intel	Xeon E5-1630 V3	-	All	All	All
Hardware	Intel	Xeon E5-1630 V3	-	All	All	All
Hardware	Intel	Xeon E5-1630 V4	-	All	All	All
Hardware	Intel	Xeon E5-1630 V4	-	All	All	All
Hardware	Intel	Xeon E5-1650 V3	-	All	All	All
Hardware	Intel	Xeon E5-1650 V3	-	All	All	All
Hardware	Intel	Xeon E5-1650 V4	-	All	All	All
Hardware	Intel	Xeon E5-1650 V4	-	All	All	All
Hardware	Intel	Xeon E5-1660 V3	-	All	All	All
Hardware	Intel	Xeon E5-1660 V3	-	All	All	All
Hardware	Intel	Xeon E5-1660 V4	-	All	All	All
Hardware	Intel	Xeon E5-1660 V4	-	All	All	All
Hardware	Intel	Xeon E5-1680 V3	-	All	All	All
Hardware	Intel	Xeon E5-1680 V3	-	All	All	All
Hardware	Intel	Xeon E5-1680 V4	-	All	All	All
Hardware	Intel	Xeon E5-1680 V4	-	All	All	All

Hardware	intel	Xeon E5-1680 V4	-	All	All	All
Hardware	Intel	Xeon E5-2408I V3	-	All	All	All
Hardware	Intel	Xeon E5-2408I V3	-	All	All	All
Hardware	Intel	Xeon E5-2418I V3	-	All	All	All
Hardware	Intel	Xeon E5-2418I V3	-	All	All	All
Hardware	Intel	Xeon E5-2428I V3	-	All	All	All
Hardware	Intel	Xeon E5-2428I V3	-	All	All	All
Hardware	Intel	Xeon E5-2438I V3	-	All	All	All
Hardware	Intel	Xeon E5-2438I V3	-	All	All	All
Hardware	Intel	Xeon E5-2603 V3	-	All	All	All
Hardware	Intel	Xeon E5-2603 V3	-	All	All	All
Hardware	Intel	Xeon E5-2603 V4	-	All	All	All
Hardware	Intel	Xeon E5-2603 V4	-	All	All	All
Hardware	Intel	Xeon E5-2608I V3	-	All	All	All
Hardware	Intel	Xeon E5-2608I V3	-	All	All	All
Hardware	Intel	Xeon E5-2608I V4	-	All	All	All
Hardware	Intel	Xeon E5-2608I V4	-	All	All	All
Hardware	Intel	Xeon E5-2609 V3	-	All	All	All
Hardware	Intel	Xeon E5-2609 V3	-	All	All	All
Hardware	Intel	Xeon E5-2609 V4	-	All	All	All
Hardware	Intel	Xeon E5-2609 V4	-	All	All	All
Hardware	Intel	Xeon E5-2618I V3	-	All	All	All
Hardware	Intel	Xeon E5-2618I V3	-	All	All	All
Hardware	Intel	Xeon E5-2618I V4	-	All	All	All
Hardware	Intel	Xeon E5-2618I V4	-	All	All	All
Hardware	Intel	Xeon E5-2620 V3	-	All	All	All
Hardware	Intel	Xeon E5-2620 V3	-	All	All	All
Hardware	Intel	Xeon E5-2620 V4	-	All	All	All
Hardware	Intel	Xeon E5-2620 V4	-	All	All	All
Hardware	Intel	Xeon E5-2623 V3	-	All	All	All
Hardware	Intel	Xeon E5-2623 V3	-	All	All	All
Hardware	Intel	Xeon E5-2623 V4	-	All	All	All
Hardware	Intel	Xeon E5-2623 V4	-	All	All	All
Hardware	Intel	Xeon E5-2628I V3	-	All	All	All
Hardware	Intel	Xeon E5-2628I V3	-	All	All	All
Hardware	Intel	Xeon E5-2628I V4	-	All	All	All

Hardware	Intel	Xeon E5-2628l V4	-	All	All	All
Hardware	Intel	Xeon E5-2630l V3	-	All	All	All
Hardware	Intel	Xeon E5-2630l V3	-	All	All	All
Hardware	Intel	Xeon E5-2630l V4	-	All	All	All
Hardware	Intel	Xeon E5-2630l V4	-	All	All	All
Hardware	Intel	Xeon E5-2630 V3	-	All	All	All
Hardware	Intel	Xeon E5-2630 V3	-	All	All	All
Hardware	Intel	Xeon E5-2630 V4	-	All	All	All
Hardware	Intel	Xeon E5-2630 V4	-	All	All	All
Hardware	Intel	Xeon E5-2637 V3	-	All	All	All
Hardware	Intel	Xeon E5-2637 V3	-	All	All	All
Hardware	Intel	Xeon E5-2637 V4	-	All	All	All
Hardware	Intel	Xeon E5-2637 V4	-	All	All	All
Hardware	Intel	Xeon E5-2640 V3	-	All	All	All
Hardware	Intel	Xeon E5-2640 V3	-	All	All	All
Hardware	Intel	Xeon E5-2640 V4	-	All	All	All
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Hardware	Intel	Xeon E5-2643 V3	-	All	All	All
Hardware	Intel	Xeon E5-2643 V3	-	All	All	All
Hardware	Intel	Xeon E5-2643 V4	-	All	All	All
Hardware	Intel	Xeon E5-2643 V4	-	All	All	All
Hardware	Intel	Xeon E5-2648l V3	-	All	All	All
Hardware	Intel	Xeon E5-2648l V3	-	All	All	All
Hardware	Intel	Xeon E5-2648l V4	-	All	All	All
Hardware	Intel	Xeon E5-2648l V4	-	All	All	All
Hardware	Intel	Xeon E5-2650l V3	-	All	All	All
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Hardware	Intel	Xeon E5-2650l V4	-	All	All	All
Hardware	Intel	Xeon E5-2650l V4	-	All	All	All
Hardware	Intel	Xeon E5-2650 V3	-	All	All	All
Hardware	Intel	Xeon E5-2650 V3	-	All	All	All
Hardware	Intel	Xeon E5-2650 V4	-	All	All	All
Hardware	Intel	Xeon E5-2650 V4	-	All	All	All
Hardware	Intel	Xeon E5-2658a V3	-	All	All	All
Hardware	Intel	Xeon E5-2658a V3	-	All	All	All

Hardware	Intel	Xeon E5-2658 V3	-	All	All	All
Hardware	Intel	Xeon E5-2658 V3	-	All	All	All
Hardware	Intel	Xeon E5-2658 V4	-	All	All	All
Hardware	Intel	Xeon E5-2658 V4	-	All	All	All
Hardware	Intel	Xeon E5-2660 V3	-	All	All	All
Hardware	Intel	Xeon E5-2660 V3	-	All	All	All
Hardware	Intel	Xeon E5-2660 V4	-	All	All	All
Hardware	Intel	Xeon E5-2660 V4	-	All	All	All
Hardware	Intel	Xeon E5-2667 V3	-	All	All	All
Hardware	Intel	Xeon E5-2667 V3	-	All	All	All
Hardware	Intel	Xeon E5-2667 V4	-	All	All	All
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Hardware	Intel	Xeon E5-2670 V3	-	All	All	All
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Hardware	Intel	Xeon E5-2680 V3	-	All	All	All
Hardware	Intel	Xeon E5-2680 V3	-	All	All	All
Hardware	Intel	Xeon E5-2680 V4	-	All	All	All
Hardware	Intel	Xeon E5-2680 V4	-	All	All	All
Hardware	Intel	Xeon E5-2683 V3	-	All	All	All
Hardware	Intel	Xeon E5-2683 V3	-	All	All	All
Hardware	Intel	Xeon E5-2683 V4	-	All	All	All
Hardware	Intel	Xeon E5-2683 V4	-	All	All	All
Hardware	Intel	Xeon E5-2687w V3	-	All	All	All
Hardware	Intel	Xeon E5-2687w V3	-	All	All	All
Hardware	Intel	Xeon E5-2687w V4	-	All	All	All
Hardware	Intel	Xeon E5-2687w V4	-	All	All	All
Hardware	Intel	Xeon E5-2690 V3	-	All	All	All
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Hardware	Intel	Xeon E5-2690 V4	-	All	All	All
Hardware	Intel	Xeon E5-2690 V4	-	All	All	All
Hardware	Intel	Xeon E5-2695 V3	-	All	All	All
Hardware	Intel	Xeon E5-2695 V3	-	All	All	All
Hardware	Intel	Xeon E5-2695 V4	-	All	All	All
Hardware	Intel	Xeon E5-2695 V4	-	All	All	All
Hardware	Intel	Xeon E5-2697a V4	-	All	All	All
Hardware	Intel	Xeon E5-2697a V4	-	All	All	All

Hardware	Intel	Xeon E5-2697 v4	-	All	All	All
Hardware	Intel	Xeon E5-2697 V3	-	All	All	All
Hardware	Intel	Xeon E5-2697 V3	-	All	All	All
Hardware	Intel	Xeon E5-2697 V4	-	All	All	All
Hardware	Intel	Xeon E5-2697 V4	-	All	All	All
Hardware	Intel	Xeon E5-2698 V3	-	All	All	All
Hardware	Intel	Xeon E5-2698 V3	-	All	All	All
Hardware	Intel	Xeon E5-2698 V4	-	All	All	All
Hardware	Intel	Xeon E5-2698 V4	-	All	All	All
Hardware	Intel	Xeon E5-2698 V4	-	All	All	All
Hardware	Intel	Xeon E5-2699a V4	-	All	All	All
Hardware	Intel	Xeon E5-2699a V4	-	All	All	All
Hardware	Intel	Xeon E5-2699r V4	-	All	All	All
Hardware	Intel	Xeon E5-2699r V4	-	All	All	All
Hardware	Intel	Xeon E5-2699 V3	-	All	All	All
Hardware	Intel	Xeon E5-2699 V3	-	All	All	All
Hardware	Intel	Xeon E5-2699 V4	-	All	All	All
Hardware	Intel	Xeon E5-2699 V4	-	All	All	All
Hardware	Intel	Xeon E5-4610 V3	-	All	All	All
Hardware	Intel	Xeon E5-4610 V3	-	All	All	All
Hardware	Intel	Xeon E5-4610 V4	-	All	All	All
Hardware	Intel	Xeon E5-4610 V4	-	All	All	All
Hardware	Intel	Xeon E5-4620 V3	-	All	All	All
Hardware	Intel	Xeon E5-4620 V3	-	All	All	All
Hardware	Intel	Xeon E5-4620 V4	-	All	All	All
Hardware	Intel	Xeon E5-4620 V4	-	All	All	All
Hardware	Intel	Xeon E5-4627 V3	-	All	All	All
Hardware	Intel	Xeon E5-4627 V3	-	All	All	All
Hardware	Intel	Xeon E5-4627 V4	-	All	All	All
Hardware	Intel	Xeon E5-4627 V4	-	All	All	All
Hardware	Intel	Xeon E5-4628l V4	-	All	All	All
Hardware	Intel	Xeon E5-4628l V4	-	All	All	All
Hardware	Intel	Xeon E5-4640 V3	-	All	All	All
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Hardware	Intel	Xeon E5-4648 V3	-	All	All	All

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Operating System	Netapp	Aff Bios	-	All	All	All
Operating System	Netapp	Aff Bios	-	All	All	All
Operating System	Netapp	Fas Bios	-	All	All	All
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Operating System	Netapp	Hci Compute Node Bios	-	All	All	All
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Operating System	Netapp	Hci Storage Node Bios	-	All	All	All
Operating System	Netapp	Solidfire Bios	-	All	All	All
Operating System	Netapp	Solidfire Bios	-	All	All	All

## References

Reference	Source	Link	Tags
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INTEL 01 00000

1/2020

1/2020

1/2020

INTEL-SA-00390	MISC	<a href="http://www.intel.com">www.intel.com</a>	Vendor Ad
Intel SA-00390 BIOS Firmware Vulnerabilities in NetApp Products   NetApp Product Security	CONFIRM	<a href="http://security.netapp.com">security.netapp.com</a>	Third Party
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,

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[375632](#) Lenovo BIOS Escalation of Privilege Vulnerability (LEN-50824)

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