



CVE-2022-34420

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Summary

| | |
|------------------------|--|
| CVE | CVE-2022-34420 |
| State | PUBLIC |
| Assigner | secure@dell.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2023-03-16 12:15:00 UTC |
| Updated | 2023-11-07 03:48:00 UTC |
| Description | Dell PowerEdge BIOS and Dell Precision BIOS contain an Improper SMM communication buffer verification vulnerability. A |

Risk And Classification

Problem Types: CWE-119

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|----------------------|----------------------------------|---------|--------|---------|----------|
| Hardware | Dell | C4130 | - | All | All | All |
| Operating System | Dell | C4130 Firmware | All | All | All | All |
| Hardware | Dell | C4140 | - | All | All | All |
| Operating System | Dell | C4140 Firmware | All | All | All | All |
| Hardware | Dell | C6320 | - | All | All | All |
| Operating System | Dell | C6320 Firmware | All | All | All | All |
| Hardware | Dell | C6420 | - | All | All | All |
| Operating System | Dell | C6420 Firmware | All | All | All | All |
| Hardware | Dell | C6520 | - | All | All | All |
| Operating System | Dell | C6520 Firmware | All | All | All | All |
| Hardware | Dell | C6525 | - | All | All | All |
| Operating System | Dell | C6525 Firmware | All | All | All | All |
| Hardware | Dell | Dss8440 | - | All | All | All |
| Operating System | Dell | Dss8440 Firmware | All | All | All | All |
| Hardware | Dell | Fc430 | - | All | All | All |
| Operating System | Dell | Fc430 Firmware | All | All | All | All |
| Hardware | Dell | Fc630 | - | All | All | All |

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|------------------|------|-----------------|-----|-----|-----|-----|
| Operating System | Dell | Fc630 Firmware | All | All | All | All |
| Hardware | Dell | Fc640 | - | All | All | All |
| Operating System | Dell | Fc640 Firmware | All | All | All | All |
| Hardware | Dell | Fc830 | - | All | All | All |
| Operating System | Dell | Fc830 Firmware | All | All | All | All |
| Hardware | Dell | M630 | - | All | All | All |
| Hardware | Dell | M630p | - | All | All | All |
| Operating System | Dell | M630p Firmware | All | All | All | All |
| Operating System | Dell | M630 Firmware | All | All | All | All |
| Hardware | Dell | M640 | - | All | All | All |
| Hardware | Dell | M640p | - | All | All | All |
| Operating System | Dell | M640p Firmware | All | All | All | All |
| Operating System | Dell | M640 Firmware | All | All | All | All |
| Hardware | Dell | M830 | - | All | All | All |
| Hardware | Dell | M830p | - | All | All | All |
| Operating System | Dell | M830p Firmware | All | All | All | All |
| Operating System | Dell | M830 Firmware | All | All | All | All |
| Hardware | Dell | Mx740c | - | All | All | All |
| Operating System | Dell | Mx740c Firmware | All | All | All | All |
| Hardware | Dell | Mx750c | - | All | All | All |
| Operating System | Dell | Mx750c Firmware | All | All | All | All |
| Hardware | Dell | Mx840c | - | All | All | All |
| Operating System | Dell | Mx840c Firmware | All | All | All | All |
| Hardware | Dell | Nx3230 | - | All | All | All |
| Operating System | Dell | Nx3230 Firmware | All | All | All | All |
| Hardware | Dell | Nx3240 | - | All | All | All |
| Operating System | Dell | Nx3240 Firmware | All | All | All | All |
| Hardware | Dell | Nx3330 | - | All | All | All |
| Operating System | Dell | Nx3330 Firmware | All | All | All | All |
| Hardware | Dell | Nx3340 | - | All | All | All |
| Operating System | Dell | Nx3340 Firmware | All | All | All | All |
| Hardware | Dell | Nx430 | - | All | All | All |
| Operating System | Dell | Nx430 Firmware | All | All | All | All |
| Hardware | Dell | Nx440 | - | All | All | All |
| Operating System | Dell | Nx440 Firmware | All | All | All | All |

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|------------------|------|-----------------|-----|-----|-----|-----|
| Hardware | Dell | R230 | - | All | All | All |
| Operating System | Dell | R230 Firmware | All | All | All | All |
| Hardware | Dell | R240 | - | All | All | All |
| Operating System | Dell | R240 Firmware | All | All | All | All |
| Hardware | Dell | R250 | - | All | All | All |
| Operating System | Dell | R250 Firmware | All | All | All | All |
| Hardware | Dell | R330 | - | All | All | All |
| Operating System | Dell | R330 Firmware | All | All | All | All |
| Hardware | Dell | R340 | - | All | All | All |
| Operating System | Dell | R340 Firmware | All | All | All | All |
| Hardware | Dell | R350 | - | All | All | All |
| Operating System | Dell | R350 Firmware | All | All | All | All |
| Hardware | Dell | R430 | - | All | All | All |
| Operating System | Dell | R430 Firmware | All | All | All | All |
| Hardware | Dell | R440 | - | All | All | All |
| Operating System | Dell | R440 Firmware | All | All | All | All |
| Hardware | Dell | R450 | - | All | All | All |
| Operating System | Dell | R450 Firmware | All | All | All | All |
| Hardware | Dell | R530 | - | All | All | All |
| Operating System | Dell | R530 Firmware | All | All | All | All |
| Hardware | Dell | R540 | - | All | All | All |
| Operating System | Dell | R540 Firmware | All | All | All | All |
| Hardware | Dell | R550 | - | All | All | All |
| Operating System | Dell | R550 Firmware | All | All | All | All |
| Hardware | Dell | R630 | - | All | All | All |
| Operating System | Dell | R630 Firmware | All | All | All | All |
| Hardware | Dell | R640 | - | All | All | All |
| Operating System | Dell | R640 Firmware | All | All | All | All |
| Hardware | Dell | R6415 | - | All | All | All |
| Operating System | Dell | R6415 Firmware | All | All | All | All |
| Hardware | Dell | R650 | - | All | All | All |
| Hardware | Dell | R650xs | - | All | All | All |
| Operating System | Dell | R650xs Firmware | All | All | All | All |
| Operating System | Dell | R650 Firmware | All | All | All | All |
| Hardware | Dell | R6515 | - | All | All | All |
| Operating System | Dell | R6515 Firmware | All | All | All | All |

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|------------------|------|------------------|-----|-----|-----|-----|
| Operating System | Dell | R6515 Firmware | All | All | All | All |
| Hardware | Dell | R6525 | - | All | All | All |
| Operating System | Dell | R6525 Firmware | All | All | All | All |
| Hardware | Dell | R730 | - | All | All | All |
| Hardware | Dell | R730xd | - | All | All | All |
| Operating System | Dell | R730xd Firmware | All | All | All | All |
| Operating System | Dell | R730 Firmware | All | All | All | All |
| Hardware | Dell | R740 | - | All | All | All |
| Hardware | Dell | R740xd | - | All | All | All |
| Hardware | Dell | R740xd2 | - | All | All | All |
| Operating System | Dell | R740xd2 Firmware | All | All | All | All |
| Operating System | Dell | R740xd Firmware | All | All | All | All |
| Operating System | Dell | R740 Firmware | All | All | All | All |
| Hardware | Dell | R7415 | - | All | All | All |
| Operating System | Dell | R7415 Firmware | All | All | All | All |
| Hardware | Dell | R7425 | - | All | All | All |
| Operating System | Dell | R7425 Firmware | All | All | All | All |
| Hardware | Dell | R750 | - | All | All | All |
| Hardware | Dell | R750xa | - | All | All | All |
| Operating System | Dell | R750xa Firmware | All | All | All | All |
| Hardware | Dell | R750xs | - | All | All | All |
| Operating System | Dell | R750xs Firmware | All | All | All | All |
| Operating System | Dell | R750 Firmware | All | All | All | All |
| Hardware | Dell | R7515 | - | All | All | All |
| Operating System | Dell | R7515 Firmware | All | All | All | All |
| Hardware | Dell | R7525 | - | All | All | All |
| Operating System | Dell | R7525 Firmware | All | All | All | All |
| Hardware | Dell | R830 | - | All | All | All |
| Operating System | Dell | R830 Firmware | All | All | All | All |
| Hardware | Dell | R840 | - | All | All | All |
| Operating System | Dell | R840 Firmware | All | All | All | All |
| Hardware | Dell | R930 | - | All | All | All |
| Operating System | Dell | R930 Firmware | All | All | All | All |
| Hardware | Dell | R940 | - | All | All | All |
| Hardware | Dell | R940xa | - | All | All | All |
| Operating System | Dell | R940xa Firmware | All | All | All | All |

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|------------------|------|-----------------|-----|-----|-----|-----|
| Operating System | Dell | R940 Firmware | All | All | All | All |
| Hardware | Dell | T130 | - | All | All | All |
| Operating System | Dell | T130 Firmware | All | All | All | All |
| Hardware | Dell | T140 | - | All | All | All |
| Operating System | Dell | T140 Firmware | All | All | All | All |
| Hardware | Dell | T150 | - | All | All | All |
| Operating System | Dell | T150 Firmware | All | All | All | All |
| Hardware | Dell | T330 | - | All | All | All |
| Operating System | Dell | T330 Firmware | All | All | All | All |
| Hardware | Dell | T340 | - | All | All | All |
| Operating System | Dell | T340 Firmware | All | All | All | All |
| Hardware | Dell | T350 | - | All | All | All |
| Operating System | Dell | T350 Firmware | All | All | All | All |
| Hardware | Dell | T430 | - | All | All | All |
| Operating System | Dell | T430 Firmware | All | All | All | All |
| Hardware | Dell | T440 | - | All | All | All |
| Operating System | Dell | T440 Firmware | All | All | All | All |
| Hardware | Dell | T550 | - | All | All | All |
| Operating System | Dell | T550 Firmware | All | All | All | All |
| Hardware | Dell | T630 | - | All | All | All |
| Operating System | Dell | T630 Firmware | All | All | All | All |
| Hardware | Dell | T640 | - | All | All | All |
| Operating System | Dell | T640 Firmware | All | All | All | All |
| Hardware | Dell | Xe2420 | - | All | All | All |
| Operating System | Dell | Xe2420 Firmware | All | All | All | All |
| Hardware | Dell | Xe7420 | - | All | All | All |
| Operating System | Dell | Xe7420 Firmware | All | All | All | All |
| Hardware | Dell | Xe7440 | - | All | All | All |
| Operating System | Dell | Xe7440 Firmware | All | All | All | All |
| Hardware | Dell | Xe8545 | - | All | All | All |
| Operating System | Dell | Xe8545 Firmware | All | All | All | All |
| Hardware | Dell | Xr11 | - | All | All | All |
| Operating System | Dell | Xr11 Firmware | All | All | All | All |
| Hardware | Dell | Xr12 | - | All | All | All |
| Operating System | Dell | Xr12 Firmware | All | All | All | All |

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|------------------|------|--------------|-----|-----|-----|-----|
| Hardware | Dell | Xr2 | - | All | All | All |
| Operating System | Dell | Xr2 Firmware | All | All | All | All |

References

| Reference | Source | Link | Tag |
|---|---------|--|--------|
| DSA-2022-204: Dell PowerEdge Improper SMM Communication Buffer Verification Vulnerability Dell US | MISC | www.dell.com | |
| CVE Program record | CVE.ORG | www.cve.org | cancel |
| NVD vulnerability detail | NVD | nvd.nist.gov | cancel |

No vendor comments have been submitted for this CVE.

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

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