



# CVE-2022-20692

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

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2022-20692   |
| <b>State</b>           | PUBLIC   |
| <b>Assigner</b>        | psirt@cisco.com  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2022-04-15 15:15:00 UTC  |
| <b>Updated</b>         | 2023-11-07 03:42:00 UTC  |
| <b>Description</b>     | A vulnerability in the NETCONF over SSH feature of Cisco IOS XE Software could allow a low-privileged, authenticated, re |

## Risk And Classification

**Problem Types:** CWE-400

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor | Product | Version  | Update | Edition | Language |
|------------------|--------|---------|----------|--------|---------|----------|
| Operating System | Cisco  | ios Xe  | 16.10.1  | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1a | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1b | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1c | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1d | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1e | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1f | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1g | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.1s | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.2  | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.10.3  | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.11.1  | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.11.1a | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.11.1b | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.11.1c | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.11.1s | All    | All     | All      |
| Operating System | Cisco  | ios Xe  | 16.11.2  | All    | All     | All      |

|                  |       |        |           |     |     |     |
|------------------|-------|--------|-----------|-----|-----|-----|
| Operating System | Cisco | ios Xe | 16.12.1   | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1a  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1c  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1s  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1t  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1w  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1x  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1y  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1z  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1z1 | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.1z2 | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.2   | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.2a  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.2s  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.2t  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.3   | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.3a  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.3s  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.4   | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.4a  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.5   | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.5a  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.5b  | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.6   | All | All | All |
| Operating System | Cisco | ios Xe | 16.12.6a  | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.1    | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.10   | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.11   | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.1a   | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.2    | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.3    | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.4    | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.5    | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.5b   | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.6    | All | All | All |

|                  |       |        |         |     |     |     |
|------------------|-------|--------|---------|-----|-----|-----|
| Operating System | Cisco | ios Xe | 16.3.7  | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.8  | All | All | All |
| Operating System | Cisco | ios Xe | 16.3.9  | All | All | All |
| Operating System | Cisco | ios Xe | 16.4.1  | All | All | All |
| Operating System | Cisco | ios Xe | 16.4.2  | All | All | All |
| Operating System | Cisco | ios Xe | 16.4.3  | All | All | All |
| Operating System | Cisco | ios Xe | 16.5.1  | All | All | All |
| Operating System | Cisco | ios Xe | 16.5.1a | All | All | All |
| Operating System | Cisco | ios Xe | 16.5.1b | All | All | All |
| Operating System | Cisco | ios Xe | 16.5.2  | All | All | All |
| Operating System | Cisco | ios Xe | 16.5.3  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.1  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.10 | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.2  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.3  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.4  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.4a | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.4s | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.5  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.5a | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.5b | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.6  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.7  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.7a | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.8  | All | All | All |
| Operating System | Cisco | ios Xe | 16.6.9  | All | All | All |
| Operating System | Cisco | ios Xe | 16.7.1  | All | All | All |
| Operating System | Cisco | ios Xe | 16.7.1a | All | All | All |
| Operating System | Cisco | ios Xe | 16.7.1b | All | All | All |
| Operating System | Cisco | ios Xe | 16.7.2  | All | All | All |
| Operating System | Cisco | ios Xe | 16.7.3  | All | All | All |
| Operating System | Cisco | ios Xe | 16.7.4  | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.1  | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.1a | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.1b | All | All | All |

|                  |       |        |         |     |     |     |
|------------------|-------|--------|---------|-----|-----|-----|
| Operating System | Cisco | ios Xe | 16.8.1c | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.1d | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.1e | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.1s | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.2  | All | All | All |
| Operating System | Cisco | ios Xe | 16.8.3  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.1  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.1a | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.1b | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.1c | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.1d | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.1s | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.2  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.2a | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.2s | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.3  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.3a | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.3h | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.3s | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.4  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.4c | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.5  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.5f | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.6  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.7  | All | All | All |
| Operating System | Cisco | ios Xe | 16.9.8  | All | All | All |
| Operating System | Cisco | ios Xe | 17.1.1  | All | All | All |
| Operating System | Cisco | ios Xe | 17.1.1a | All | All | All |
| Operating System | Cisco | ios Xe | 17.1.1s | All | All | All |
| Operating System | Cisco | ios Xe | 17.1.1t | All | All | All |
| Operating System | Cisco | ios Xe | 17.1.2  | All | All | All |
| Operating System | Cisco | ios Xe | 17.1.3  | All | All | All |
| Operating System | Cisco | ios Xe | 17.2.1  | All | All | All |
| Operating System | Cisco | ios Xe | 17.2.1a | All | All | All |
| Operating System | Cisco | ios Xe | 17.2.1r | All | All | All |
| Operating System | Cisco | ios Xe | 17.2.1v | All | All | All |

|                  |       |        |           |     |     |     |
|------------------|-------|--------|-----------|-----|-----|-----|
| Operating System | Cisco | ios Xe | 17.2.2    | All | All | All |
| Operating System | Cisco | ios Xe | 17.2.3    | All | All | All |
| Operating System | Cisco | ios Xe | 3.15.1xbs | All | All | All |
| Operating System | Cisco | ios Xe | 3.15.2xbs | All | All | All |

## References

| Reference   | Source  | Link  | Tags                |
|---|---------|---|---------------------|
| 20220413 Cisco IOS XE Software NETCONF Over SSH Denial of Service Vulnerability | CISCO   | <a href="https://tools.cisco.com">tools.cisco.com</a> |                     |
| CVE Program record  | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>         | canonical           |
| NVD vulnerability detail  | NVD     | <a href="https://nvd.nist.gov">nvd.nist.gov</a>       | canonical, analysis |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[317150](#) Cisco Internetwork Operating System (IOS) XE Software NETCONF Over SSH Denial of Service (DoS) Vulnerability (cisco-sa-ncossh-dos-ZAkfOdq8)

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