



# CVE-2021-38441

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

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2021-38441  |
| <b>State</b>           | PUBLIC  |
| <b>Assigner</b>        | ics-cert@hq.dhs.gov   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2022-05-05 17:15:00 UTC   |
| <b>Updated</b>         | 2022-05-13 03:53:00 UTC   |
| <b>Description</b>     | Eclipse CycloneDDS versions prior to 0.8.0 are vulnerable to a write-what-where condition, which may allow an attacker to |

## Risk And Classification

**Problem Types:** CWE-123

## NVD Known Affected Configurations (CPE 2.3)

| Type        | Vendor                  | Product                    | Version | Update | Edition | Language |
|-------------|-------------------------|----------------------------|---------|--------|---------|----------|
| Application | <a href="#">Eclipse</a> | <a href="#">Cyclonedds</a> | All     | All    | All     | All      |

## References

| Reference  | Source  | Link  | Tags                |
|--|---------|---|---------------------|
| Eclipse Cyclone DDS™   projects.eclipse.org                                | CONFIRM | <a href="https://projects.eclipse.org">projects.eclipse.org</a> |                     |
| Multiple Data Distribution Service (DDS) Implementations (Update A)   CISA | CONFIRM | <a href="https://www.cisa.gov">www.cisa.gov</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 |

## Vendor Comments And Credit

### Discovery Credit

**LEGACY:** Federico Maggi (Trend Micro Research), Ta-Lun Yen, and Chizuru Toyama (TXOne Networks, Trend Micro) reported these vulnerabilities to CISA. In addition, Patrick Kuo, Mars Cheng (TXOne Networks, Trend Micro), Víctor Mayoral-Vilches (Alias Robotics), and Erik Boasson (ADLINK Technology) also contributed to this research.

## Legacy QID Mappings

[183364](#) Debian Security Update for cyclonedds (CVE-2021-38441)

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