



# CVE-2021-44538

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

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2021-44538   |
| <b>State</b>           | PUBLIC   |
| <b>Assigner</b>        | cve@mitre.org  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2021-12-14 14:15:00 UTC  |
| <b>Updated</b>         | 2023-08-08 14:22:00 UTC  |
| <b>Description</b>     | The olm_session_describe function in Matrix libolm before 3.2.7 is vulnerable to a buffer overflow. The Olm session object i |

## Risk And Classification

**Problem Types:** CWE-119

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                        | Product                        | Version | Update | Edition | Language |
|------------------|-------------------------------|--------------------------------|---------|--------|---------|----------|
| Application      | <a href="#">Cinny Project</a> | <a href="#">Cinny</a>          | All     | All    | All     | All      |
| Operating System | <a href="#">Debian</a>        | <a href="#">Debian Linux</a>   | 10.0    | All    | All     | All      |
| Operating System | <a href="#">Debian</a>        | <a href="#">Debian Linux</a>   | 11.0    | All    | All     | All      |
| Operating System | <a href="#">Debian</a>        | <a href="#">Debian Linux</a>   | 9.0     | All    | All     | All      |
| Application      | <a href="#">Matrix</a>        | <a href="#">Element</a>        | All     | All    | All     | All      |
| Application      | <a href="#">Matrix</a>        | <a href="#">Element</a>        | All     | All    | All     | All      |
| Application      | <a href="#">Matrix</a>        | <a href="#">Javascript Sdk</a> | All     | All    | All     | All      |
| Application      | <a href="#">Matrix</a>        | <a href="#">Olm</a>            | All     | All    | All     | All      |
| Application      | <a href="#">Schildi</a>       | <a href="#">Schildichat</a>    | All     | All    | All     | All      |
| Application      | <a href="#">Schildi</a>       | <a href="#">Schildichat</a>    | All     | All    | All     | All      |

## References

| Reference  | Source | Link                              | Tags |
|--|--------|-----------------------------------|------|
| Disclosure: buffer overflow in libolm and matrix-js-sdk   Matrix.org | MISC   | <a href="#">matrix.org</a>        |      |
| Tags · matrix-org / Olm · GitLab                                     | MISC   | <a href="#">gitlab.matrix.org</a> |      |
| Debian -- Security Information -- DSA-5034-1 thunderbird             | DEBIAN | <a href="#">www.debian.org</a>    |      |
| [SECURITY] [DLA 2874-1] thunderbird security update                  | MLIST  | <a href="#">lists.debian.org</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.

### Legacy QID Mappings

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|--|
| <a href="#">178983</a> Debian Security Update for thunderbird (DSA 5034-1)                       |
| <a href="#">178986</a> Debian Security Update for thunderbird (DLA 2874-1)                       |
| <a href="#">183992</a> Debian Security Update for olmthunderbird (CVE-2021-44538)                |
| <a href="#">198641</a> Ubuntu Security Notification for Thunderbird Vulnerabilities (USN-5248-1) |
| <a href="#">198643</a> Ubuntu Security Notification for Thunderbird Vulnerabilities (USN-5246-1) |
| <a href="#">376199</a> Mozilla Thunderbird Multiple Vulnerabilities (MFSA2021-55)                |
| <a href="#">501919</a> Alpine Linux Security Update for riot-web                                 |
| <a href="#">502383</a> Alpine Linux Security Update for thunderbird                              |
| <a href="#">503179</a> Alpine Linux Security Update for element-web                              |
| <a href="#">505375</a> Alpine Linux Security Update for riot-web                                 |
| <a href="#">505450</a> Alpine Linux Security Update for thunderbird                              |
| <a href="#">506039</a> Alpine Linux Security Update for element-web                              |
| <a href="#">751599</a> OpenSUSE Security Update for MozillaThunderbird (openSUSE-SU-2022:0058-1) |

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