



# CVE-2021-42387

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

## Summary

|                        |                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2021-42387                                                                                                         |
| <b>State</b>           | PUBLIC                                                                                                                 |
| <b>Assigner</b>        | security@jfrog.com                                                                                                     |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                           |
| <b>Published</b>       | 2022-03-14 23:15:00 UTC                                                                                                |
| <b>Updated</b>         | 2022-12-03 02:47:00 UTC                                                                                                |
| <b>Description</b>     | Heap out-of-bounds read in Clickhouse's LZ4 compression codec when parsing a malicious query. As part of the LZ4::deco |

## Risk And Classification

### Problem Types: CWE-125

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                 | Product                      | Version | Update | Edition | Language |
|------------------|------------------------|------------------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Debian</a> | <a href="#">Debian Linux</a> | 10.0    | All    | All     | All      |
| Application      | <a href="#">Yandex</a> | <a href="#">Clickhouse</a>   | All     | All    | All     | All      |

## References

| Reference                                          | Source  | Link                             | Tags                |
|----------------------------------------------------|---------|----------------------------------|---------------------|
| Page not found   JFrog                             | MISC    | <a href="#">jfrog.com</a>        |                     |
| [SECURITY] [DLA 3176-1] clickhouse security update | MLIST   | <a href="#">lists.debian.org</a> |                     |
| CVE Program record                                 | CVE.ORG | <a href="#">www.cve.org</a>      | canonical           |
| NVD vulnerability detail                           | NVD     | <a href="#">nvd.nist.gov</a>     | canonical, analysis |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[181187](#) Debian Security Update for clickhouse (DLA 3176-1)

[181352](#) Debian Security Update for clickhouse (CVE-2021-42387)

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

**Free CVE JSON API** [cve.report/api](https://cve.report/api)

**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)