

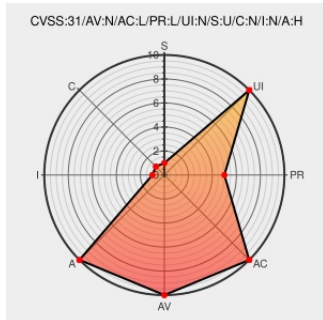


# CVE-2019-16215

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## CVE-2019-16215

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Zulip Server](#) from [Zulip](#) contain the following vulnerability:

The Markdown parser in Zulip server before 2.0.5 used a regular expression vulnerable to exponential backtracking. A user who is logged into the server could send a crafted message causing the server to spend an effectively arbitrary amount of CPU time and stall the processing of future messages.

CVE-2019-16215 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **6.5 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **4 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>SINGLE</b>       |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>NONE</b>       | <b>PARTIAL</b>      |

## CVE References

| Description                                                                               | Tags                                                                                        | Link                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CVE-2019-16215: Fix DoS vulnerability in Markdown LINK_RE. · zulip/zulip@5797f01 · GitHub | <a href="#">Patch</a><br><a href="#">Third Party Advisory</a><br><a href="#">github.com</a> | <a href="#">CONFIRM</a><br><a href="https://github.com/zulip/zulip/commit/5797f013b3be450c146a4141514bda525f2f1b51">github.com/zulip/zulip/commit/5797f013b3be450c146a4141514bda525f2f1b51</a> |

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Zulip Server 2.0.5 security release

Vendor Advisory

blog.zulip.org

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 CONFIRM [blog.zulip.org/2019/09/11/zulip-server-2-0-5-security-release/](https://blog.zulip.org/2019/09/11/zulip-server-2-0-5-security-release/)

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There are currently no QIDs associated with this CVE

#### Known Affected Configurations (CPE V2.3)

| Type                                 | Vendor                | Product                      | Version | Update | Edition | Language |
|--------------------------------------|-----------------------|------------------------------|---------|--------|---------|----------|
| Application                          | <a href="#">Zulip</a> | <a href="#">Zulip Server</a> | All     | All    | All     | All      |
| Application                          | <a href="#">Zulip</a> | <a href="#">Zulip Server</a> | All     | All    | All     | All      |
| cpe:2.3:a:zulip:zulip_server:*****:: |                       |                              |         |        |         |          |
| cpe:2.3:a:zulip:zulip_server:*****:: |                       |                              |         |        |         |          |

No vendor comments have been submitted for this CVE

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