



# CVE-2018-20145

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## CVE-2018-20145

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

Certain versions of [Mosquitto](#) from [Eclipse](#) contain the following vulnerability:

Eclipse Mosquitto 1.5.x before 1.5.5 allows ACL bypass: if the option `per_listener_settings` was set to true, and the default listener was in use, and the default listener specified an `acl_file`, then the `acl` file was being ignored.

CVE-2018-20145 has been assigned by [M](#) [cve@mitre.org](mailto:cve@mitre.org) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **5 - MEDIUM**

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

## CVE References

| Description                                                    | Tags                                                                                            | Link                                                                        |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| mosquitto/ChangeLog.txt at master · eclipse/mosquitto · GitHub | <a href="#">Third Party Advisory</a><br><a href="#">github.com</a><br><a href="#">text/html</a> | <a href="#">MISC github.com/eclipse/mosquitto/blob/master/ChangeLog.txt</a> |
| Mosquitto ignores acl_file on                                  | <a href="#">Issue Tracking</a>                                                                  | <a href="#">MISC github.com/eclipse/mosquitto/issues/1073</a>               |

Patch  
Third Party Advisory  
github.com  
text/html

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[github.com/eclipse/mosquitto/commit/9097577b49b7fdcf45d30975976dd93808ccc0c4](https://github.com/eclipse/mosquitto/commit/9097577b49b7fdcf45d30975976dd93808ccc0c4)

There are currently no QIDs associated with this CVE

| Type                                     | Vendor                  | Product                   | Version | Update | Edition | Language |
|------------------------------------------|-------------------------|---------------------------|---------|--------|---------|----------|
| Application                              | <a href="#">Eclipse</a> | <a href="#">Mosquitto</a> | All     | All    | All     | All      |
| Application                              | <a href="#">Eclipse</a> | <a href="#">Mosquitto</a> | All     | All    | All     | All      |
| cpe:2.3:a:eclipse:mosquitto:*:*:*:*:*:*: |                         |                           |         |        |         |          |
| cpe:2.3:a:eclipse:mosquitto:*:*:*:*:*:*: |                         |                           |         |        |         |          |

Next ID→

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