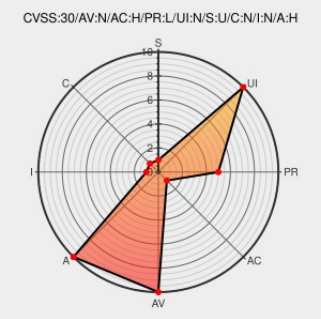
# CVE-2017-7653

Published on: 06/05/2018 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:26:40 PM UTC

## CVE-2017-7653

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF




Certain versions of Debian Linux from Debian contain the following vulnerability:

The Eclipse Mosquitto broker up to version 1.4.15 does not reject strings that are not valid UTF-8. A malicious client could cause other clients that do reject invalid UTF-8 strings to disconnect themselves from the broker by sending a topic string which is not valid UTF-8, and so cause a denial of service for the clients.

CVE-2017-7653 has been assigned by security@eclipse.org to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **The Eclipse Foundation** - **Eclipse Mosquitto** version **<= 1.4.15**

### CVSS3 Score: 5.3 - MEDIUM

| Attack Vector | Attack Complexity | Privileges Required | User Interaction |
|---|---|---|---|
| NETWORK | HIGH | LOW | NONE |
| **Scope** | **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| UNCHANGED | NONE | NONE | HIGH |

### CVSS2 Score: 3.5 - LOW

| Access Vector | Access Complexity | Authentication |
|---|---|---|
| NETWORK | MEDIUM | SINGLE |
| **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| NONE | NONE | PARTIAL |

### CVE References

| Description | Tags | Link |
|---|---|---|
| 532113 – (CVE-2017-7653) CVE-2017-7653: Eclipse | Issue Tracking | CONFIRM bugs.eclipse.org/bugs/show_bug.cgi? |

| | | |
|---|---|---|
| Mosquitto does not validate topic strings | Third Party Advisory<br>bugs.eclipse.org<br>text/html | id=532113 |
| Debian -- Security Information -- DSA-4325-1 mosquitto | Third Party Advisory<br>www.debian.org<br>Depreciated Link<br>text/html | DEBIAN DSA-4325 |
| [SECURITY] [DLA 1525-1] mosquitto security update | Mailing List<br>Third Party Advisory<br>lists.debian.org<br>text/html | MLIST [debian-lts-announce] 20180928 [SECURITY] [DLA 1525-1] mosquitto security update |
| | Third Party Advisory<br>docs.oasis-open.org<br>application/pdf | MISC docs.oasis-open.org/mqtt/disallowed-chars/v1.0/disallowed-chars-v1.0.pdf |
| USN-4023-1: Mosquitto vulnerabilities \| Ubuntu security notices \| Ubuntu | usn.ubuntu.com<br>text/html | UBUNTU USN-4023-1 |



There are currently no QIDs associated with this CVE

## Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Debian | Debian Linux | 8.0 | All | All | All |
| Operating System | Debian | Debian Linux | 9.0 | All | All | All |
| Operating System | Debian | Debian Linux | 8.0 | All | All | All |
| Operating System | Debian | Debian Linux | 9.0 | All | All | All |
| Application | Eclipse | Mosquitto | All | All | All | All |

cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

cpe:2.3:a:eclipse:mosquitto:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

**CVE.report and Source URL Uptime Status status.cve.report**