CVE-2018-12541

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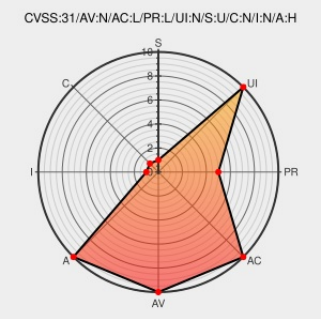
CVE-2018-12541

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



Certain versions of Vert.x from Eclipse contain the following vulnerability:

In version from 3.0.0 to 3.5.3 of Eclipse Vert.x, the WebSocket HTTP upgrade implementation buffers the full http request before doing the handshake, holding the entire request body in memory. There should be a reasonnable limit (8192 bytes) above which the WebSocket gets an HTTP response with the 413 status code and the connection gets closed.

CVE-2018-12541 has been assigned by security@eclipse.org to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **The Eclipse Foundation** - **Eclipse Vert.x** version **>= 3.0**

Affected Vendor/Software: **The Eclipse Foundation** - **Eclipse Vert.x** version **<= 3.5.3**

CVSS3 Score: 6.5 - MEDIUM

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

CVSS2 Score: 4 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Pony Mail!	lists.apache.org text/html	MLIST [pulsar-commits] 20210419 [pulsar] branch master updated: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541 (#10261)
539170 – (CVE-2018-12541) WebSocket HTTP upgrade implementation buffers the full http request before doing the handshake	Third Party Advisory bugs.eclipse.org text/html	CONFIRM bugs.eclipse.org/bugs/show_bug.cgi?id=539170
Pony Mail!	lists.apache.org text/html	MLIST [pulsar-commits] 20210419 [GitHub] [pulsar] eolivelli merged pull request #10261: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541
Red Hat Customer Portal	Third Party Advisory access.redhat.com text/html	REDHAT RHSA-2018:2946
Pony Mail!	lists.apache.org text/html	MLIST [pulsar-commits] 20201215 [GitHub] [pulsar] yanshuchong opened a new issue #8967: CVSS issue list
Pony Mail!	lists.apache.org text/html	MLIST [pulsar-commits] 20210419 [GitHub] [pulsar] lhotari opened a new pull request #10261: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541
Pony Mail!	lists.apache.org text/html	MLIST [pulsar-commits] 20210419 [GitHub] [pulsar] lhotari edited a comment on pull request #10261: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541
WebSocket upgrade request body limit · Issue #2648 · eclipse-vertx/vert.x · GitHub	Third Party Advisory github.com text/html	CONFIRM github.com/eclipse-vertx/vert.x/issues/2648
Pony Mail!	lists.apache.org text/html	MLIST [bookkeeper-issues] 20210507 [GitHub] [bookkeeper] dlg99 commented on pull request #2693: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541
Pony Mail!	lists.apache.org text/html	MLIST [pulsar-commits] 20210419 [GitHub] [pulsar] lhotari commented on pull request #10261: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541
Pony Mail!	lists.apache.org text/html	MLIST [pulsar-commits] 20210513 [pulsar] 30/46: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541 (#10261)
Pony Mail!	lists.apache.org text/html	MLIST [bookkeeper-commits] 20210817 [bookkeeper] 01/03: [Security] Upgrade vertx to 3.9.8, addresses CVE-2018-12541 (#2693)
Pony Mail!	lists.apache.org text/html	MLIST [bookkeeper-issues] 20210618 [GitHub] [bookkeeper] lhotari commented on pull request #2693: [Security] Upgrade vertx to 3.9.8, addresses CVE-2018-12541
Pony Mail!	lists.apache.org text/html	MLIST [bookkeeper-issues] 20210623 [GitHub] [bookkeeper] sijie merged pull request #2693: [Security] Upgrade vertx to 3.9.8, addresses CVE-2018-12541
Pony Mail!	lists.apache.org text/html	MLIST [bookkeeper-issues] 20210419 [GitHub] [bookkeeper] lhotari opened a new pull request #2693: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-12541
Pony Mail!	lists.apache.org text/html	MLIST [bookkeeper-issues] 20210421 [GitHub] [bookkeeper] lhotari commented on pull request #2693: [Security] Upgrade vertx to 3.9.7, addresses CVE-2018-

12541

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Related QID Numbers

981498 Java (maven) Security Update for io.vertx:vertx-core (GHSA-45xm-v8gq-7jqx)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Eclipse	Vert.x	All	All	All	All
Application	Eclipse	Vert.x	All	All	All	All

cpe:2.3:a:eclipse:vert.x:*:*:*:*:*:*:*:*:

cpe:2.3:a:eclipse:vert.x:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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