CVE-2019-16303

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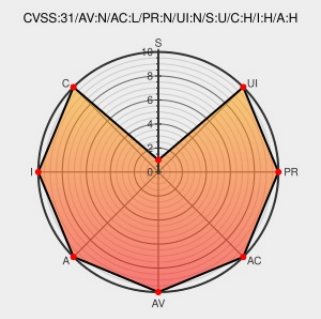
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Jhipster from Jhipster contain the following vulnerability:

A class generated by the Generator in JHipster before 6.3.0 and JHipster Kotlin through 1.1.0 produces code that uses an insecure source of randomness (apache.commons.lang3 RandomStringUtils). This allows an attacker (if able to obtain their own password reset URL) to compute the value for all other password resets for other accounts, thus allowing privilege escalation or account takeover.

CVE-2019-16303 has been assigned by cve@mitre.org to track the vulnerability - currently rated as CRITICAL severity.

CVSS3 Score: 9.8 - CRITICAL

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

CVSS2 Score: 7.5 - HIGH

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

CVE References

Description	Tags	Link
Release 6.3.0	Release Notes Vendor Advisory	MISC www.jhipster.tech/2019/09/13/jhipster-release-6.3.0.html

	www.jhipster.tech text/html	
[SECURITY] CWE-338: Vulnerability in JHipster Kotlin · Issue #183 · jhipster/jhipster-kotlin · GitHub	Exploit Third Party Advisory github.com text/html	MISC github.com/jhipster/jhipster-kotlin/issues/183
Pony Mail!	lists.apache.org text/html	MLIST [commons-issues] 20200921 [jira] [Commented] (LANG-1607) To aid with CVE-2019-16303, consider upgrading RandomStringUtils default RNG
Account takeover and privilege escalation is possible in applications generated by generator-jhipster before 6.3.0. · Advisory · jhipster/generator-jhipster · GitHub	Third Party Advisory github.com text/html	MISC github.com/jhipster/generator-jhipster/security/advisories/GHSA-mwp6-j9wf-968c
Pony Mail!	lists.apache.org text/html	MLIST [commons-issues] 20200918 [jira] [Created] (LANG-1607) To aid with CVE-2019-16303, consider upgrading RandomStringUtils default RNG
Bug bounty for security advisory - thank you @JLLeitschuh · Issue #10401 · jhipster/generator-jhipster · GitHub	Exploit Third Party Advisory github.com text/html	MISC github.com/jhipster/generator-jhipster/issues/10401
use new SecureRandom which uses non blocking /dev/urandom · jhipster/generator-jhipster@88448b8 · GitHub	Patch github.com text/html	MISC github.com/jhipster/generator-jhipster/commit/88448b85fd3e8e49df103f0061359037c2c68ea7
Pony Mail!	lists.apache.org text/html	MLIST [commons-issues] 20200919 [jira] [Commented] (LANG-1607) To aid with CVE-2019-16303, consider upgrading RandomStringUtils default RNG

Related QID Numbers

980765 Nodejs (npm) Security Update for generator-jhipster-kotlin (GHSA-j3rh-8vwq-wh84)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Jhipster	Jhipster	All	All	All	All
Application	Jhipster	Jhipster	All	All	All	All
Application	Jhipster	Jhipster Kotlin	All	All	All	All

cpe:2.3:a:jhipster:jhipster:*:*:*:*:*:*:*:*:

cpe:2.3:a:jhipster:jhipster:*:*:*:*:*:*:*:*:

cpe:2.3:a:jhipster:jhipster_kotlin:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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