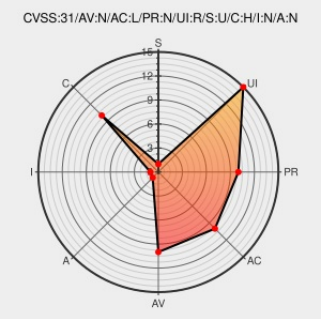
CVE-2021-29481

Published on: 06/29/2021 12:00:00 AM UTC

Last Modified on: 07/07/2021 04:44:00 PM UTC

CVE-2021-29481 - advisory for GHSA-phj8-4cq3-794g

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



Certain versions of Ratpack from Ratpack Project contain the following vulnerability:

Ratpack is a toolkit for creating web applications. In versions prior to 1.9.0, the default configuration of client side sessions results in unencrypted, but signed, data being set as cookie values. This means that if something sensitive goes into the session, it could be read by something with access to the cookies. For this to be a vulnerability, some kind of sensitive data would need to be stored in the session and the session cookie would have to leak. For example, the cookies are not configured with httpOnly and an adjacent XSS vulnerability within the site allowed capture of the cookies. As of version 1.9.0, a securely randomly generated signing key is used. As a workaround, one may supply an encryption key, as per the documentation recommendation.

CVE-2021-29481 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **ratpack** - **ratpack** version **< 1.9.0**

CVSS3 Score: 7.5 - HIGH

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

CVSS2 Score: 5 - MEDIUM

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

PARTIAL | NONE | NONE

CVE References

Description	Tags	Link
Use random UUID for default client side session encryption secret by ldaley · Pull Request #1590 · ratpack/ratpack · GitHub	github.com text/html	MISC github.com/ratpack/ratpack/pull/1590
Client side sessions should not allow unencrypted storage · Advisory · ratpack/ratpack · GitHub	github.com text/html	CONFIRM github.com/ratpack/ratpack/security/advisories/GHSA-phj8-4cq3-794g

Related QID Numbers

981302 Java (maven) Security Update for io.ratpack:ratpack-session (GHSA-phj8-4cq3-794g)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Ratpack Project	Ratpack	All	All	All	All

cpe:2.3:a:ratpack_project:ratpack:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-29481 : Ratpack is a toolkit for creating web applications. In versions prior to 1.9.0, the default config… twitter.com/i/web/status/1…	2021-06-29 18:24:40
/r/netcve	CVE-2021-29481	2021-06-29 18:41:43

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