CVE-2021-32773

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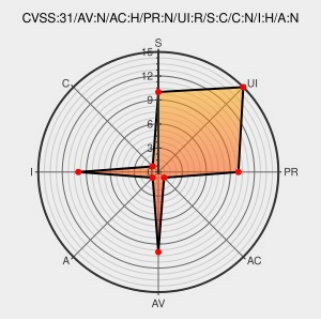
CVE-2021-32773 - advisory for GHSA-cgrw-p7p7-937c

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



Certain versions of Racket from Racket-lang contain the following vulnerability:

Racket is a general-purpose programming language and an ecosystem for language-oriented programming. In versions prior to 8.2, code evaluated using the Racket sandbox could cause system modules to incorrectly use attacker-created modules instead of their intended dependencies. This could allow system functions to be controlled by the attacker, giving access to facilities intended to be restricted. This problem is fixed in Racket version 8.2. A workaround is available, depending on system settings. For systems that provide arbitrary Racket evaluation, external sandboxing such as containers limit the impact of the problem. For multi-user evaluation systems, such as the `handin-server` system, it is not possible to work around this problem and upgrading is required.

CVE-2021-32773 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **racket** - **racket** version **< 8.2**

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	NONE	HIGH	NONE

CVSS2 Score: 5 - MEDIUM

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

NONE | PARTIAL | NONE

CVE References

Description	Tags	Link
racket/sandbox: documentation and tests for reader and require checking · racket/racket@6ca4ffe · GitHub	github.com text/html	MISC github.com/racket/racket/commit/6ca4ffeca1e5877d44f835760ad89f18488d97e1
Confused deputy attack in sandbox module resolution · Advisory · racket/racket · GitHub	github.com text/html	CONFIRM github.com/racket/racket/security/advisories/GHSA-cgrw-p7p7-937c

Related QID Numbers

179462 Debian Security Update for racket (CVE-2021-32773)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Racket-lang	Racket	All	All	All	All

cpe:2.3:a:racket-lang:racket:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-32773 : Racket is a general-purpose programming language and an ecosystem for language-oriented programmin… twitter.com/i/web/status/1…	2021-07-20 00:01:00
@SecRiskRptSME	RT: CVE-2021-32773 Racket is a general-purpose programming language and an ecosystem for language-oriented program… twitter.com/i/web/status/1…	2021-07-20 07:21:32
/r/netcve	CVE-2021-32773	2021-07-20 00:40:23

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