RUSTSEC-2020-0028

`LocalRequest::clone` creates multiple mutable references to the same object

Reported	May 27, 2020
Issued	October 2, 2020 (last modified: October 19, 2021)
Package	rocket (crates.io)
Type	INFO Unsound
Aliases	CVE-2020-35882
Details	https://github.com/SergioBenitez/Rocket/issues/1312
CVSS Score	8.1 HIGH

CVSS Details

Attack vector	Network
Attack complexity	High
Privileges required	None
User interaction	None
Scope	Unchanged
Confidentiality	High
Integrity	High
Availability	High

CVSS Vector	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
Patched	`>=0.4.5`
Unaffected	`<0.4.0`

Affected Functions	Version
`rocket::local::LocalRequest::clone`	`<0.4.5, >=0.4.0`

Description

The affected version of `rocket` contains a `Clone` trait implementation of `LocalRequest` that reuses the pointer to inner `Request` object. This causes data race in rare combinations of APIs if the original and the cloned objects are modified at the same time.