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RUSTSEC-2020-0107

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hashconsing's HConsed lacks Send/Sync bound for its Send/Sync trait.

Reported	November 10, 2020																
Issued	January 20, 2021 (last modified: October 19, 2021)																
Package	hashconsing (crates.io)																
Type	Vulnerability																
Categories	memory-corruption thread-safety																
Keywords	#concurrency																
Aliases	CVE-2020-36215																
Details	https://github.com/AdrienChampion/hashconsing/issues/1																
CVSS Score	7.5 HIGH																
CVSS Details	<table><tr><td>Attack vector</td><td>Network</td></tr><tr><td>Attack complexity</td><td>Low</td></tr><tr><td>Privileges required</td><td>None</td></tr><tr><td>User interaction</td><td>None</td></tr><tr><td>Scope</td><td>Unchanged</td></tr><tr><td>Confidentiality</td><td>None</td></tr><tr><td>Integrity</td><td>None</td></tr><tr><td>Availability</td><td>High</td></tr></table>	Attack vector	Network	Attack complexity	Low	Privileges required	None	User interaction	None	Scope	Unchanged	Confidentiality	None	Integrity	None	Availability	High
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Attack complexity	Low																
Privileges required	None																
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Scope	Unchanged																
Confidentiality	None																
Integrity	None																
Availability	High																
CVSS Vector	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H																
Patched	>=1.1.0																

Description

Affected versions of `hashconsing` implements `Send / Sync` for its `HConsed` type without restricting it to `Send` able types and `Sync` able types.

This allows non-`Sync` types such as `Cell` to be shared across threads leading to undefined behavior and memory corruption in concurrent programs.