



CVE-2020-15278

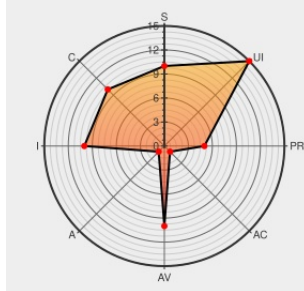
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CVE-2020-15278 - advisory for GHSA-mp9m-g7qj-6vqr

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:H/PR:L/UI:R/S:C/C:H/I:H/A:N



Certain versions of [Red Discord Bot](#) from [Cogboard](#) contain the following vulnerability:

Red Discord Bot before version 3.4.1 has an unauthorized privilege escalation exploit in the Mod module. This exploit allows Discord users with a high privilege level within the guild to bypass hierarchy checks when the application is in a specific condition that is beyond that user's control. By abusing this exploit, it is possible to perform destructive actions within the guild the user has high privileges in. This exploit has been fixed in version 3.4.1. As a workaround, unloading the Mod module with `unload mod` or, disabling the massban command with `command disable global massban` can render this exploit not accessible. We still highly recommend updating to 3.4.1 to completely patch this issue.

CVE-2020-15278 has been assigned by [security-advisories@github.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Cog-Creators - Red-DiscordBot** version < 3.4.1

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **6 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	SINGLE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Unauthorized privilege escalation in Mod module · Advisory · Cog-Creators/Red-DiscordBot · GitHub	Third Party Advisory github.com text/html	CONFIRM github.com/Cog-Creators/Red-DiscordBot/security/advisories/GHSA-mp9m-g7qj-6vqr
Release v3.4.1 · Cog-Creators/Red-DiscordBot · GitHub	Third Party Advisory github.com text/html	MISC github.com/Cog-Creators/Red-DiscordBot/releases/tag/3.4.1
Merge pull request from GHSA-mp9m-g7qj-6vqr · Cog-Creators/Red-DiscordBot@726bfd3 · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/Cog-Creators/Red-DiscordBot/commit/726bfd38adfdafef760412a68e01447b470f438b

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Cogboard	Red Discord Bot	All	All	All	All
Application	Cogboard	Red Discord Bot	All	All	All	All

cpe:2.3:a:cogboard:red_discord_bot:*****:.*

cpe:2.3:a:cogboard:red_discord_bot:*****:.*

No vendor comments have been submitted for this CVE

← Previous ID

Next ID →