CVE-2023-27581

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CVE-2023-27581 - advisory for GHSA-6q4m-7476-932w

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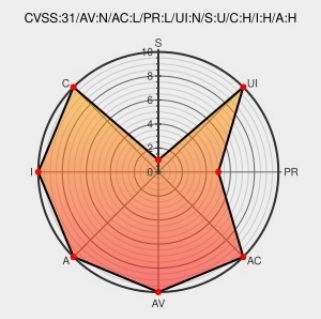

Certain versions of Github-slug-action from Github-slug-action Project contain the following vulnerability:

github-slug-action is a GitHub Action to expose slug value of GitHub environment variables inside of one's GitHub workflow. Starting in version 4.0.0` and prior to version 4.4.1, this action uses the `github.head_ref` parameter in an insecure way. This vulnerability can be triggered by any user on GitHub on any workflow using the action on pull requests. They just need to create a pull request with a branch name, which can contain the attack payload. This can be used to execute code on the GitHub runners and to exfiltrate any secrets one uses in the CI pipeline. A patched action is available in version 4.4.1. No workaround is available.

CVE-2023-27581 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **rlespinasse** - **github-slug-action** version **= >= 4.0.0, < 4.4.1**

CVSS3 Score: 8.8 - HIGH

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

CVE References

Description	Tags	Link
github-slug-action vulnerable to arbitrary code execution · Advisory · rlespinasse/github-slug-action · GitHub	github.com text/html	MISC github.com/rlespinasse/github-slug-action/security/advisories/GHSA-6q4m-7476-932w
fix: use github.head_ref env var as trusted input · rlespinasse/github-slug-action@102b1a0 · GitHub	github.com text/html	MISC github.com/rlespinasse/github-slug-action/commit/102b1a064a9b145e56556e22b18b19c624538d94

Release v4.4.1 · rlespinasse/github-slug-action · GitHub	github.com text/html	MISC github.com/rlespinasse/github-slug-action/releases/tag/v4.4.1
Keeping your GitHub Actions and workflows secure Part 2: Untrusted input | GitHub Security Lab	securitylab.github.com text/html	MISC securitylab.github.com/research/github-actions-untrusted-input/

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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	Github-slug-action Project	Github-slug-action	All	All	All	All

cpe:2.3:a:github-slug-action_project:github-slug-action:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2023-27581 : github-slug-action is a GitHub Action to expose slug value of GitHub environment variables inside… twitter.com/i/web/status/1…	2023-03-13 21:06:09
/r/netcve	CVE-2023-27581	2023-03-13 21:38:41

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