CVE-2021-41087

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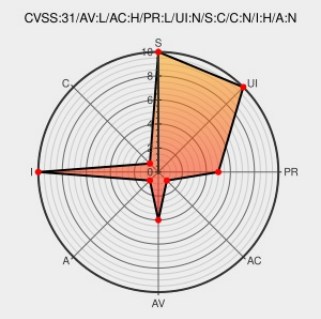
CVE-2021-41087 - advisory for GHSA-vrxp-mg9f-hwf3

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



Certain versions of In-toto-golang from In-toto contain the following vulnerability:

in-toto-golang is a go implementation of the in-toto framework to protect software supply chain integrity. In affected versions authenticated attackers posing as functionaries (i.e., within a trusted set of users for a layout) are able to create attestations that may bypass DISALLOW rules in the same layout. An attacker with access to trusted private keys, may issue an attestation that contains a disallowed artifact by including path traversal semantics (e.g., foo vs dir/../foo). Exploiting this vulnerability is dependent on the specific policy applied. The problem has been fixed in version 0.3.0.

CVE-2021-41087 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **in-toto** - **in-toto-golang** version **< 0.3.0**

CVSS3 Score: 6.5 - MEDIUM

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

CVSS2 Score: 4 - MEDIUM

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

CVE References

Description	Tags	Link
Merge pull request from GHSA-vrxp-mg9f-hwf3 · in-toto/in-toto-golang@f2c57d1 · GitHub	github.com text/html	MISC github.com/in-toto/in-toto-golang/commit/f2c57d1e0f15e3ffbeac531829c696b72ecc4290
Improperly Implemented path matching for in-toto-golang · Advisory · in-toto/in-toto-golang · GitHub	github.com text/html	CONFIRM github.com/in-toto/in-toto-golang/security/advisories/GHSA-vrxp-mg9f-hwf3

Related QID Numbers

980518 Go (go) Security Update for github.com/in-toto/in-toto-golang (GHSA-vrxp-mg9f-hwf3)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	In-toto	In-toto-golang	All	All	All	All

cpe:2.3:a:in-toto:in-toto-golang:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-41087 : in-toto-golang is a go implementation of the in-toto framework to protect software supply chain in… twitter.com/i/web/status/1…	2021-09-21 21:10:52
@torresariass	Whoa, in-toto-golang (and the whole in-toto ecosystem) got its first CVE: CVE-2021-41087 cve.circl.lu/cve/CVE-2021-4…… twitter.com/i/web/status/1…	2021-09-21 22:38:28
@ipssignatures	I know no IPS that has a protection/signature/rule for the vulnerability CVE-2021-41087. The vuln was published 0 d… twitter.com/i/web/status/1…	2021-09-22 02:04:01
@ipssignatures	The vuln CVE-2021-41087 has a tweet created 0 days ago and retweeted 8 times. twitter.com/torresariass/s… #Sgah5y4qwsqqe2	2021-09-22 02:04:01
@ipssignatures	The vuln CVE-2021-41087 has a tweet created 0 days ago and retweeted 11 times. twitter.com/torresariass/s… #pow1rtrtwwcve	2021-09-22 06:06:00
@threatmeter	CVE-2021-41087 in-toto-golang is a go implementation of the in-toto framework to protect software supply chain inte… twitter.com/i/web/status/1…	2021-09-22 07:09:52

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