



# CVE-2023-24056

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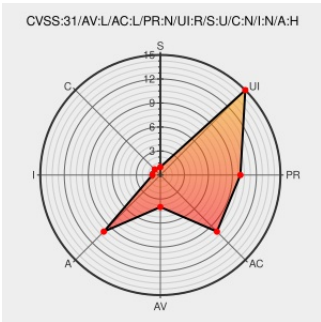
## CVE-2023-24056

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of **Pkgconf** from **Pkgconf** contain the following vulnerability:

In pkgconf through 1.9.3, variable duplication can cause unbounded string expansion due to incorrect checks in libpkgconf/tuple.c:pkgconf\_tuple\_parse. For example, a .pc file containing a few hundred bytes can expand to one billion bytes.

CVE-2023-24056 has been assigned by [M cve@mitre.org](mailto:cve@mitre.org) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
<b>LOCAL</b>	<b>LOW</b>	<b>NONE</b>	<b>REQUIRED</b>
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
<b>UNCHANGED</b>	<b>NONE</b>	<b>NONE</b>	<b>HIGH</b>

## CVE References

Description	Tags	Link
Tags · pkgconf/pkgconf · GitHub	<a href="#">github.com</a> <a href="#">text/html</a>	MISC <a href="https://github.com/pkgconf/pkgconf/tags">github.com/pkgconf/pkgconf/tags</a>
u-config: a new, lean pkg-config clone	<a href="#">nullprogram.com</a> <a href="#">text/html</a>	MISC <a href="https://nullprogram.com/blog/2023/01/18/">nullprogram.com/blog/2023/01/18/</a>
tuple: test for, and stop string processing, on truncation · 628b2b2baf · pkgconf - Treehouse Gitea	<a href="#">gitea.treehouse.systems</a> <a href="#">text/html</a>	MISC <a href="https://gitea.treehouse.systems/ariadne/pkgconf/commit/628b2b2bafa5d3a2017193ddf375093e7066605">gitea.treehouse.systems/ariadne/pkgconf/commit/628b2b2bafa5d3a2017193ddf375093e7066605</a>

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## Related QID Numbers

[502646](#) Alpine Linux Security Update for pkgconf

[502647](#) Alpine Linux Security Update for pkgconf


[905325](#) Common Base Linux Mariner (CBL-Mariner) Security Update for pkgconf (13124)

## Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Pkgconf	Pkgconf	All	All	All	All
cpe:2.3:a:pkgconf:pkgconf:*****:*.***:						

No vendor comments have been submitted for this CVE

## Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2023-24056 : In pkgconf through 1.9.3, variable duplication can cause unbounded string expansion due to incorre... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2023-01-22 04:07:39
 @threatmeter	CVE-2023-24056   pkgconf up to 1.9.3 PC File libpkgconf/tuple.c pkgconf_tuple_parse denial of service A vulnerabili... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2023-01-22 11:50:34
 /r/CKsTechNews	<a href="#">Pkgconf, CVE-2023-24056 and disinformation</a>	2023-01-24 13:15:29

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