CVE-2023-28101

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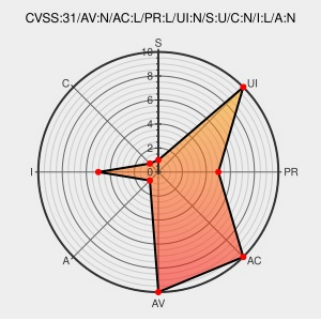
CVE-2023-28101 - advisory for GHSA-h43h-fwqx-mpp8

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



Certain versions of Flatpak from Flatpak contain the following vulnerability:

Flatpak is a system for building, distributing, and running sandboxed desktop applications on Linux. In versions prior to 1.10.8, 1.12.8, 1.14.4, and 1.15.4, if an attacker publishes a Flatpak app with elevated permissions, they can hide those permissions from users of the `flatpak(1)` command-line interface by setting other permissions to crafted values that contain non-printable control characters such as `ESC`. A fix is available in versions 1.10.8, 1.12.8, 1.14.4, and 1.15.4. As a workaround, use a GUI like GNOME Software rather than the command-line interface, or only install apps whose maintainers you trust.

CVE-2023-28101 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **flatpak** - **flatpak** version **= < 1.10.8**

Affected Vendor/Software: **flatpak** - **flatpak** version **= >= 1.12.0, < 1.12.8**

Affected Vendor/Software: **flatpak** - **flatpak** version **= >= 1.14.0, < 1.14.4**

Affected Vendor/Software: **flatpak** - **flatpak** version **= >= 1.15.0, < 1.15.4**

CVSS3 Score: 4.3 - MEDIUM

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

CVE References

Description	Tags	Link
Reject paths given to --filesystem/--persist with special characters · flatpak/flatpak@7fe63f2 · GitHub	github.com text/html	MISC github.com/flatpak/flatpak/commit/7fe63f2e8f1fd2dafc31d45154cf0b191ebec66c
CVE-2023-28101: Metadata with ANSI control codes can cause misleading terminal output · Advisory · flatpak/flatpak · GitHub	github.com text/html	MISC github.com/flatpak/flatpak/security/advisories/GHSA-h43h-fwqx-mpp8
cli-transaction: Escape any special characters in the EOL reason · flatpak/flatpak@409e341 · GitHub	github.com text/html	MISC github.com/flatpak/flatpak/commit/409e34187de2b2b2c4ef34c79f417be698830f6c
Ensure special characters in permissions and metadata are escaped · flatpak/flatpak@6cac99d · GitHub	github.com text/html	MISC github.com/flatpak/flatpak/commit/6cac99dafe6003c8a4bd5666341c217876536869

Related QID Numbers

181854 Debian Security Update for flatpak (CVE-2023-28101)

283814 Fedora Security Update for flatpak (FEDORA-2023-b0717d8c45)

283849 Fedora Security Update for flatpak (FEDORA-2023-9fbc701e0d)

284241 Fedora Security Update for flatpak (FEDORA-2023-508e400dec)

753858 SUSE Enterprise Linux Security Update for flatpak (SUSE-SU-2023:1714-1)

753859 SUSE Enterprise Linux Security Update for flatpak (SUSE-SU-2023:1713-1)

753883 SUSE Enterprise Linux Security Update for flatpak (SUSE-SU-2023:1712-1)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Flatpak	Flatpak	All	All	All	All

cpe:2.3:a:flatpak:flatpak:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2023-28101 : Flatpak is a system for building, distributing, and running sandboxed desktop applications on… twitter.com/i/web/status/1…	2023-03-16 16:01:34
@FlatpakApps	One issue (CVE-2023-28101) involves maliciously crafted metadata hiding permissions using special characters and th… twitter.com/i/web/status/1…	2023-03-16 19:22:41
/r/netcve	CVE-2023-28101	2023-03-16

16:38:39

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