



CVE-2018-15687

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2018-15687
State	PUBLIC
Assigner	security@ubuntu.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-10-26 14:29:00 UTC
Updated	2023-04-20 18:38:00 UTC
Description	A race condition in chown_one() of systemd allows an attacker to cause systemd to set arbitrary permissions on arbitrary fil

Risk And Classification

Problem Types: CWE-362

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Application	Freedesktop	Systemd	All	All	All	All
Application	Systemd Project	Systemd	All	All	All	All
Application	Systemd Project	Systemd	All	All	All	All

References

Reference	Source	Link	Tags
recursive chowning fixes by poettering · Pull Request #10517 · systemd/systemd · GitHub	MISC	github.com	Patch,
systemd CVE-2018-15687 Local Security Bypass Vulnerability	BID	www.securityfocus.com	Third P
USN-3816-1: systemd vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com	Third P
systemd - 'chown_one()' Dereference Symlinks - Linux local Exploit	EXPLOIT-DB	www.exploit-db.com	Exploit
systemd: Multiple vulnerabilities (GLSA 201810-10) — Gentoo security	GENTOO	security.gentoo.org	Third P

CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

Vendor Comments And Credit

Discovery Credit

LEGACY: Jann Horn

Legacy QID Mappings

[900013](#) CBL-Mariner Linux Security Update for systemd 239

[903060](#) Common Base Linux Mariner (CBL-Mariner) Security Update for systemd (1801)

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