



# CVE-2018-15862

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## Summary

<b>CVE</b>	CVE-2018-15862
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2018-08-25 21:29:00 UTC
<b>Updated</b>	2019-08-06 17:15:00 UTC
<b>Description</b>	Unchecked NULL pointer usage in LookupModMask in xkbcomp/expr.c in xkbcommon before 0.8.2 could be used by local users to cause a denial of service (crash) and possibly execute arbitrary code.

## Risk And Classification

**Problem Types:** CWE-476

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	14.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	18.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	14.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	18.04	All	All	All
Application	<a href="#">Xkbcommon</a>	<a href="#">Libxkbcommon</a>	All	All	All	All
Application	<a href="#">Xkbcommon</a>	<a href="#">Xkbcommon</a>	All	All	All	All

## References

Reference	Source	Link	Tags
USN-3786-2: libxkbcommon vulnerabilities   Ubuntu security notices	UBUNTU	<a href="https://usn.ubuntu.com">usn.ubuntu.com</a>	This CVE is covered by a security notice from Canonical.
USN-3786-1: libxkbcommon vulnerabilities   Ubuntu security notices	UBUNTU	<a href="https://usn.ubuntu.com">usn.ubuntu.com</a>	This CVE is covered by a security notice from Canonical.
xkbcommon: Multiple vulnerabilities (GLSA 201810-05) — Gentoo security	GENTOO	<a href="https://security.gentoo.org">security.gentoo.org</a>	This CVE is covered by a security notice from Gentoo.
xkbcomp: Don't explode on invalid virtual modifiers · xkbcommon/libxkbcommon@4e2ee9c · GitHub	MISC	<a href="https://github.com">github.com</a>	Partially covered by a security notice from GitHub.
[ANNOUNCE] libxkbcommon 0.8.2	MISC	<a href="https://lists.freedesktop.org">lists.freedesktop.org</a>	Partially covered by a security notice from the mailing list.
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com">access.redhat.com</a>	Partially covered by a security notice from Red Hat.

CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	car
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	car

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[377269](#) Alibaba Cloud Linux Security Update for xorg (ALINUX2-SA-2019:0076)

[710237](#) Gentoo Linux xkbcommon Multiple Vulnerabilities (GLSA 201810-05)

[755582](#) SUSE Enterprise Linux Security Update for libxkbcommon (SUSE-SU-2024:0037-1)

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