



# CVE-2019-15847

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2019-15847
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-09-02 23:15:00 UTC
<b>Updated</b>	2020-09-17 13:38:00 UTC
<b>Description</b>	The POWER9 backend in GNU Compiler Collection (GCC) before version 10 could optimize multiple calls of the __builtin_c

## Risk And Classification

**Problem Types:** CWE-331

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Gnu</a>	<a href="#">Gcc</a>	All	All	All	All
Application	<a href="#">Gnu</a>	<a href="#">Gcc</a>	All	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.0	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.1	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.0	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.1	All	All	All

## References

Reference	Source	Link
[security-announce] openSUSE-SU-2019:2365-1: moderate: Security update f	SUSE	<a href="#">lists.opensuse.org</a>
[security-announce] openSUSE-SU-2020:0716-1: moderate: Security update f	SUSE	<a href="#">lists.opensuse.org</a>
91481 – (CVE-2019-15847) POWER9 "DARN" RNG intrinsic produces repeated output (CVE-2019-15847)	MISC	<a href="#">gcc.gnu.org</a>
[security-announce] openSUSE-SU-2019:2364-1: moderate: Security update f	SUSE	<a href="#">lists.opensuse.org</a>
CVE Program record	CVE.ORG	<a href="#">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="#">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[591406](#) Siemens SIMATIC S7-1500 CPU GNU/Linux subsystem Multiple Vulnerabilities (SSB-439005, ICSA-22-104-13)

[755898](#) SUSE Enterprise Linux Security Update for gcc7 (SUSE-SU-2023:3662-1)

[900124](#) CBL-Mariner Linux Security Update for gcc 9.1.0

[903131](#) Common Base Linux Mariner (CBL-Mariner) Security Update for gcc (1829)

[905989](#) Common Base Linux Mariner (CBL-Mariner) Security Update for gcc (1829-1)

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