



# CVE-2018-7643

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

## Summary

<b>CVE</b>	CVE-2018-7643
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2018-03-02 15:29:00 UTC
<b>Updated</b>	2019-10-31 01:15:00 UTC
<b>Description</b>	The display_debug_ranges function in dwarf.c in GNU Binutils 2.30 allows remote attackers to cause a denial of service (in

## Risk And Classification

### Problem Types: CWE-190

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Gnu</a>	<a href="#">Binutils</a>	2.30	All	All	All
Application	<a href="#">Gnu</a>	<a href="#">Binutils</a>	2.30	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Desktop</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Desktop</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Server</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Server</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Workstation</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Workstation</a>	7.0	All	All	All

## References

Reference	Source	Link	Tags
Binutils: Multiple vulnerabilities (GLSA 201811-17) — Gentoo security	GENTOO	<a href="https://security.gentoo.org">security.gentoo.org</a>	Third Party Advisory
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com">access.redhat.com</a>	Third Party Advisory
22905 – integer overflow in display_debug_ranges	MISC	<a href="https://sourceware.org">sourceware.org</a>	Issue Tracking, Third
[security-announce] openSUSE-SU-2019:2415-1: moderate: Security update f	SUSE	<a href="https://lists.opensuse.org">lists.opensuse.org</a>	
[security-announce] openSUSE-SU-2019:2432-1: moderate: Security update f	SUSE	<a href="https://lists.opensuse.org">lists.opensuse.org</a>	
GNU Binutils CVE-2018-7643 Remote Denial of Service Vulnerability	BID	<a href="https://www.securityfocus.com">www.securityfocus.com</a>	Third Party Advisory,

Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com">access.redhat.com</a>	Third Party Advisory
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[710297](#) Gentoo Linux Binutils Multiple Vulnerabilities (GLSA 201811-17)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

**CVE.report and Source URL Uptime Status** [status.cve.report](#)