



CVE-2010-3847

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

Summary

CVE	CVE-2010-3847
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2011-01-07 19:00:00 UTC
Updated	2023-02-13 04:26:00 UTC
Description	elf/dl-load.c in ld.so in the GNU C Library (aka glibc or libc6) through 2.11.2, and 2.12.x through 2.12.1, does not properly h

Risk And Classification

Problem Types: CWE-59

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Gnu	Glibc	1.00	All	All	All
Application	Gnu	Glibc	1.01	All	All	All
Application	Gnu	Glibc	1.02	All	All	All
Application	Gnu	Glibc	1.03	All	All	All
Application	Gnu	Glibc	1.04	All	All	All
Application	Gnu	Glibc	1.05	All	All	All
Application	Gnu	Glibc	1.06	All	All	All
Application	Gnu	Glibc	1.07	All	All	All
Application	Gnu	Glibc	1.08	All	All	All
Application	Gnu	Glibc	1.09	All	All	All
Application	Gnu	Glibc	1.09.1	All	All	All
Application	Gnu	Glibc	2.0	All	All	All
Application	Gnu	Glibc	2.0.1	All	All	All
Application	Gnu	Glibc	2.0.2	All	All	All
Application	Gnu	Glibc	2.0.3	All	All	All
Application	Gnu	Glibc	2.0.4	All	All	All
Application	Gnu	Glibc	2.0.5	All	All	All

Application	Gnu	Glibc	2.0.6	All	All	All
Application	Gnu	Glibc	2.1	All	All	All
Application	Gnu	Glibc	2.1.1	All	All	All
Application	Gnu	Glibc	2.1.1.6	All	All	All
Application	Gnu	Glibc	2.1.2	All	All	All
Application	Gnu	Glibc	2.1.3	All	All	All
Application	Gnu	Glibc	2.1.3.10	All	All	All
Application	Gnu	Glibc	2.1.9	All	All	All
Application	Gnu	Glibc	2.10	All	All	All
Application	Gnu	Glibc	2.10.1	All	All	All
Application	Gnu	Glibc	2.10.2	All	All	All
Application	Gnu	Glibc	2.11	All	All	All
Application	Gnu	Glibc	2.11.1	All	All	All
Application	Gnu	Glibc	2.12.0	All	All	All
Application	Gnu	Glibc	2.12.1	All	All	All
Application	Gnu	Glibc	2.2	All	All	All
Application	Gnu	Glibc	2.2.1	All	All	All
Application	Gnu	Glibc	2.2.2	All	All	All
Application	Gnu	Glibc	2.2.3	All	All	All
Application	Gnu	Glibc	2.2.4	All	All	All
Application	Gnu	Glibc	2.2.5	All	All	All
Application	Gnu	Glibc	2.3	All	All	All
Application	Gnu	Glibc	2.3.1	All	All	All
Application	Gnu	Glibc	2.3.10	All	All	All
Application	Gnu	Glibc	2.3.2	All	All	All
Application	Gnu	Glibc	2.3.3	All	All	All
Application	Gnu	Glibc	2.3.4	All	All	All
Application	Gnu	Glibc	2.3.5	All	All	All
Application	Gnu	Glibc	2.3.6	All	All	All
Application	Gnu	Glibc	2.4	All	All	All
Application	Gnu	Glibc	2.5	All	All	All
Application	Gnu	Glibc	2.5.1	All	All	All
Application	Gnu	Glibc	2.6	All	All	All
Application	Gnu	Glibc	2.6.1	All	All	All
Application	Gnu	Glibc	2.7	All	All	All

Application	Gnu	Glibc	2.8	All	All	All
Application	Gnu	Glibc	2.9	All	All	All
Application	Gnu	Glibc	1.00	All	All	All
Application	Gnu	Glibc	1.01	All	All	All
Application	Gnu	Glibc	1.02	All	All	All
Application	Gnu	Glibc	1.03	All	All	All
Application	Gnu	Glibc	1.04	All	All	All
Application	Gnu	Glibc	1.05	All	All	All
Application	Gnu	Glibc	1.06	All	All	All
Application	Gnu	Glibc	1.07	All	All	All
Application	Gnu	Glibc	1.08	All	All	All
Application	Gnu	Glibc	1.09	All	All	All
Application	Gnu	Glibc	1.09.1	All	All	All
Application	Gnu	Glibc	2.0	All	All	All
Application	Gnu	Glibc	2.0.1	All	All	All
Application	Gnu	Glibc	2.0.2	All	All	All
Application	Gnu	Glibc	2.0.3	All	All	All
Application	Gnu	Glibc	2.0.4	All	All	All
Application	Gnu	Glibc	2.0.5	All	All	All
Application	Gnu	Glibc	2.0.6	All	All	All
Application	Gnu	Glibc	2.1	All	All	All
Application	Gnu	Glibc	2.1.1	All	All	All
Application	Gnu	Glibc	2.1.1.6	All	All	All
Application	Gnu	Glibc	2.1.2	All	All	All
Application	Gnu	Glibc	2.1.3	All	All	All
Application	Gnu	Glibc	2.1.3.10	All	All	All
Application	Gnu	Glibc	2.1.9	All	All	All
Application	Gnu	Glibc	2.10	All	All	All
Application	Gnu	Glibc	2.10.1	All	All	All
Application	Gnu	Glibc	2.10.2	All	All	All
Application	Gnu	Glibc	2.11	All	All	All
Application	Gnu	Glibc	2.11.1	All	All	All
Application	Gnu	Glibc	2.12.0	All	All	All
Application	Gnu	Glibc	2.12.1	All	All	All
Application	Gnu	Glibc	2.2	All	All	All
Application	Gnu	Glibc	2.2.1	All	All	All

Application	Gnu	Glibc	2.2.1	All	All	All
Application	Gnu	Glibc	2.2.2	All	All	All
Application	Gnu	Glibc	2.2.3	All	All	All
Application	Gnu	Glibc	2.2.4	All	All	All
Application	Gnu	Glibc	2.2.5	All	All	All
Application	Gnu	Glibc	2.3	All	All	All
Application	Gnu	Glibc	2.3.1	All	All	All
Application	Gnu	Glibc	2.3.10	All	All	All
Application	Gnu	Glibc	2.3.2	All	All	All
Application	Gnu	Glibc	2.3.3	All	All	All
Application	Gnu	Glibc	2.3.4	All	All	All
Application	Gnu	Glibc	2.3.5	All	All	All
Application	Gnu	Glibc	2.3.6	All	All	All
Application	Gnu	Glibc	2.4	All	All	All
Application	Gnu	Glibc	2.5	All	All	All
Application	Gnu	Glibc	2.5.1	All	All	All
Application	Gnu	Glibc	2.6	All	All	All
Application	Gnu	Glibc	2.6.1	All	All	All
Application	Gnu	Glibc	2.7	All	All	All
Application	Gnu	Glibc	2.8	All	All	All
Application	Gnu	Glibc	2.9	All	All	All
Application	Gnu	Glibc	All	All	All	All

References	
Reference	Source
USN-1009-1: GNU C Library vulnerabilities Ubuntu	UBUNTU
ASA-2010-332 (RHSA-2010-0787)	CONFIRM
glibc - '\$ORIGIN' Expansion Privilege Escalation (Metasploit) - Linux local Exploit	EXPLOIT-DB
Gentoo Linux Documentation -- GNU C library: Multiple vulnerabilities	GENTOO
access.redhat.com CVE-2010-3847	MISC
US-CERT Vulnerability Note VU#537223	CERT-VN
Red Hat Customer Portal	MISC
Support / Security / Advisories / / MDVSA-2010:207 Mandriva	MANDRIVA
GNU glibc Dynamic Linker '\$ORIGIN' Local Privilege Escalation Vulnerability	BID
Andreas Schwab - [PATCH] Never expand \$ORIGIN in privileged programs	MLIST
rhn.redhat.com Red Hat Support	REDHAT

Full Disclosure: Re: The GNU C library dynamic linker expands \$ORIGIN in setuid library search path	FULLDISC
Full Disclosure: The GNU C library dynamic linker expands \$ORIGIN in setuid library search path	FULLDISC
Debian -- Security Information -- DSA-2122-1 glibc	DEBIAN
SecurityFocus	BUGTRAC
Red Hat Customer Portal	MISC
VMware ESX Console OS (COS) Multiple Vulnerabilities - Advisories - Community	SECUNIA
643306 – (CVE-2010-3847) CVE-2010-3847 glibc: ld.so insecure handling of \$ORIGIN in LD_AUDIT for setuid/setgid programs	CONFIRM
Full Disclosure: Re: The GNU C library dynamic linker expands \$ORIGIN in setuid library search path	FULLDISC
[security-announce] SUSE Security Announcement: glibc (SUSE-SA:2010:052)	SUSE
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	VUPEN
rhn.redhat.com Red Hat Support	REDHAT
glibc - 'LD_AUDIT' Arbitrary DSO Load Privilege Escalation (Metasploit) - Linux local Exploit	EXPLOIT-I
VMSA-2011-0001	CONFIRM
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

© [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](#).

Free CVE JSON API [cve.report/api](#)

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