



CVE-2012-0039

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Summary

CVE	CVE-2012-0039
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-01-14 17:55:01 UTC
Updated	2026-04-29 01:13:23 UTC
Description	GLib 2.31.8 and earlier, when the g_str_hash function is used, computes hash values without restricting the ability to trigger

Risk And Classification

Primary CVSS: v3.1 7.5 HIGH from ADP

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

Problem Types: CWE-310 | n/a | CWE-noinfo Not enough information

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	5		AV:N/AC:L/Au:N/C:N/I:N/A:P

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

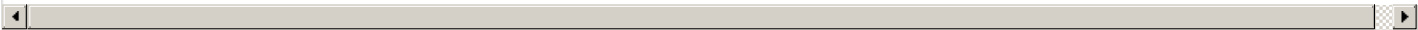
Integrity

None

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Partial

AV:N/AC:L/Au:N/C:N/I:N/A:P



NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Gnome	Glib	1.1.12	All	All	All
Application	Gnome	Glib	1.1.12-1	All	All	All
Application	Gnome	Glib	1.1.15	All	All	All
Application	Gnome	Glib	1.2.0	All	All	All
Application	Gnome	Glib	1.2.1	All	All	All
Application	Gnome	Glib	1.2.10	All	All	All
Application	Gnome	Glib	1.2.2	All	All	All
Application	Gnome	Glib	1.2.3	All	All	All
Application	Gnome	Glib	1.2.4	All	All	All
Application	Gnome	Glib	1.2.5	All	All	All
Application	Gnome	Glib	1.2.6	All	All	All
Application	Gnome	Glib	1.2.7	All	All	All
Application	Gnome	Glib	1.2.8	All	All	All
Application	Gnome	Glib	1.2.9	All	All	All
Application	Gnome	Glib	1.3.10	All	All	All
Application	Gnome	Glib	1.3.11	All	All	All

Application	Gnome	Glib	1.3.12	All	All	All
Application	Gnome	Glib	1.3.13	All	All	All
Application	Gnome	Glib	1.3.14	All	All	All
Application	Gnome	Glib	1.3.15	All	All	All
Application	Gnome	Glib	1.3.9	All	All	All
Application	Gnome	Glib	2.0	All	All	All
Application	Gnome	Glib	2.0.0	All	All	All
Application	Gnome	Glib	2.0.1	All	All	All
Application	Gnome	Glib	2.0.2	All	All	All
Application	Gnome	Glib	2.0.3	All	All	All
Application	Gnome	Glib	2.0.4	All	All	All
Application	Gnome	Glib	2.0.5	All	All	All
Application	Gnome	Glib	2.0.6	All	All	All
Application	Gnome	Glib	2.0.7	All	All	All
Application	Gnome	Glib	2.1.0	All	All	All
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Application	Gnome	Glib	2.1.5	All	All	All
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Application	Gnome	Glib	2.10.2	All	All	All
Application	Gnome	Glib	2.10.3	All	All	All
Application	Gnome	Glib	2.11.0	All	All	All
Application	Gnome	Glib	2.11.1	All	All	All
Application	Gnome	Glib	2.11.2	All	All	All
Application	Gnome	Glib	2.11.3	All	All	All
Application	Gnome	Glib	2.11.4	All	All	All
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Application	Gnome	Glib	2.12.11	All	All	All
Application	Gnome	Glib	2.12.12	All	All	All
Application	Gnome	Glib	2.12.13	All	All	All
Application	Gnome	Glib	2.12.2	All	All	All

Application	Gnome	Glib	2.12.2	All	All	All
Application	Gnome	Glib	2.12.3	All	All	All
Application	Gnome	Glib	2.12.4	All	All	All
Application	Gnome	Glib	2.12.5	All	All	All
Application	Gnome	Glib	2.12.6	All	All	All
Application	Gnome	Glib	2.12.7	All	All	All
Application	Gnome	Glib	2.12.8	All	All	All
Application	Gnome	Glib	2.12.9	All	All	All
Application	Gnome	Glib	2.13.0	All	All	All
Application	Gnome	Glib	2.13.1	All	All	All
Application	Gnome	Glib	2.13.2	All	All	All
Application	Gnome	Glib	2.13.3	All	All	All
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Application	Gnome	Glib	2.13.7	All	All	All
Application	Gnome	Glib	2.14.0	All	All	All
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Application	Gnome	Glib	2.15.1	All	All	All
Application	Gnome	Glib	2.15.2	All	All	All
Application	Gnome	Glib	2.15.3	All	All	All
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Application	Gnome	Glib	2.16.0	All	All	All
Application	Gnome	Glib	2.16.1	All	All	All
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Application	Gnome	Glib	2.16.3	All	All	All
Application	Gnome	Glib	2.16.4	All	All	All
Application	Gnome	Glib	2.16.5	All	All	All

Application	Gnome	Glib	2.16.6	All	All	All
Application	Gnome	Glib	2.17.0	All	All	All
Application	Gnome	Glib	2.17.1	All	All	All
Application	Gnome	Glib	2.17.2	All	All	All
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Application	Gnome	Glib	2.20.3	All	All	All
Application	Gnome	Glib	2.20.4	All	All	All
Application	Gnome	Glib	2.20.5	All	All	All

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Application	Gnome	Glib	2.25.4	All	All	All

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Application	Gnome	Glib	2.29.4	All	All	All
Application	Gnome	Glib	2.29.6	All	All	All

Application	Gnome	Glib	2.29.8	All	All	All
Application	Gnome	Glib	2.29.90	All	All	All
Application	Gnome	Glib	2.29.92	All	All	All
Application	Gnome	Glib	2.3.0	All	All	All
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Application	Gnome	Glib	2.30.2	All	All	All
Application	Gnome	Glib	2.31.0	All	All	All
Application	Gnome	Glib	2.31.2	All	All	All
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Application	Gnome	Glib	2.4.4	All	All	All
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Application	Gnome	Glib	2.4.8	All	All	All
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Application	Gnome	Glib	2.5.6	All	All	All
Application	Gnome	Glib	2.5.7	All	All	All
Application	Gnome	Glib	2.6.0	All	All	All

Application	Gnome	Glib	2.6.1	All	All	All
Application	Gnome	Glib	2.6.2	All	All	All
Application	Gnome	Glib	2.6.3	All	All	All
Application	Gnome	Glib	2.6.4	All	All	All
Application	Gnome	Glib	2.6.5	All	All	All
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Application	Gnome	Glib	2.8.0	All	All	All
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Application	Gnome	Glib	2.8.3	All	All	All
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Application	Gnome	Glib	2.8.6	All	All	All
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Application	Gnome	Glib	2.9.1	All	All	All
Application	Gnome	Glib	2.9.2	All	All	All
Application	Gnome	Glib	2.9.3	All	All	All
Application	Gnome	Glib	2.9.4	All	All	All
Application	Gnome	Glib	2.9.5	All	All	All
Application	Gnome	Glib	2.9.6	All	All	All
Application	Gnome	Glib	All	All	All	All

Vendor Declared Affected Products						
Source	Vendor	Product	Version		Platforms	
CNA	Na	N/a	affected n/a		Not specified	

References						
Reference			Source			

#655044 - glib2.0: ghashtable vulnerable to oCert-2011-003 DOS attacks - Debian Bug report logs	af854a3a-2127-422b-91ae-364da266110
oss-security - glib2 hash dos oCert-2011-003	af854a3a-2127-422b-91ae-364da266110
772720 – (CVE-2012-0039) CVE-2012-0039 glib2: hash table collisions CPU usage DoS	af854a3a-2127-422b-91ae-364da266110
Algorithmic Complexity Attack on GLIB 2.2.1	af854a3a-2127-422b-91ae-364da266110
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.