



CVE-2008-1685

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

| | |
|------------------------|---|
| CVE | CVE-2008-1685 |
| State | PUBLIC |
| Assigner | cve@mitre.org |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2008-04-06 23:44:00 UTC |
| Updated | 2023-11-07 02:02:00 UTC |
| Description | ** DISPUTED ** gcc 4.2.0 through 4.3.0 in GNU Compiler Collection, when casts are not used, considers the sum of a poin |

Risk And Classification

Problem Types: CWE-119 | CWE-189

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|-------------|--------|---------|---------|--------|---------|----------|
| Application | Gnu | Gcc | 4.2.0 | All | All | All |
| Application | Gnu | Gcc | 4.2.1 | All | All | All |
| Application | Gnu | Gcc | 4.2.2 | All | All | All |
| Application | Gnu | Gcc | 4.2.3 | All | All | All |
| Application | Gnu | Gcc | 4.2.4 | All | All | All |
| Application | Gnu | Gcc | 4.3.0 | All | All | All |
| Application | Gnu | Gcc | 4.2.0 | All | All | All |
| Application | Gnu | Gcc | 4.2.1 | All | All | All |
| Application | Gnu | Gcc | 4.2.2 | All | All | All |
| Application | Gnu | Gcc | 4.2.3 | All | All | All |
| Application | Gnu | Gcc | 4.2.4 | All | All | All |
| Application | Gnu | Gcc | 4.3.0 | All | All | All |

References

| Reference | Source | Link | Tags |
|---|--------|--|------|
| 26763 – [4.1/4.2 Regression] wrong final value of induction variable calculated | MISC | gcc.gnu.org | |
| IBM X-Force Exchange | XF | exchange.xforce.ibmcloud.com | |

| | | | |
|---|---------|--|----------------|
| VU#162289 - C compilers may silently discard some wraparound checks | CERT-VN | www.kb.cert.org | US Governme |
| CVE Program record | CVE.ORG | www.cve.org | canonical |
| NVD vulnerability detail | NVD | nvd.nist.gov | canonical, an: |

Vendor Comments And Credit

| Organization | Published | Contributor | Statement |
|--------------|------------|-----------------|--|
| Red Hat | 2008-07-24 | Joshua Bressers | The Red Hat Security Response Team is aware of this new gcc behavior and is currently wo |

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.

CVE.report and Source URL Uptime Status status.cve.report