



# CVE-2020-14308

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## Summary

<b>CVE</b>	CVE-2020-14308
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2020-07-29 20:15:00 UTC
<b>Updated</b>	2022-04-18 15:22:00 UTC
<b>Description</b>	In grub2 versions before 2.06 the grub memory allocator doesn't check for possible arithmetic overflows on the requested a

## 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="#">Grub2</a>	All	All	All	All
Application	<a href="#">Gnu</a>	<a href="#">Grub2</a>	All	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>	15.2	All	All	All

## References

Reference
<a href="#">oss-security - multiple secure boot grub2 and linux kernel vulnerabilities</a>
<a href="#">oss-security - Re: Containers-optimized OS (COS) membership in the linux-distros list</a>
<a href="#">July 2020 Grub2 Vulnerabilities in NetApp Products   NetApp Product Security</a>
<a href="#">oss-security - Re: Containers-optimized OS (COS) membership in the linux-distros list</a>
<a href="#">[security-announce] openSUSE-SU-2020:1168-1: important: Security update</a>
<a href="#">[security-announce] openSUSE-SU-2020:1169-1: important: Security update</a>
<a href="#">GRUB: Multiple vulnerabilities (GLSA 202104-05) — Gentoo security</a>
<a href="#">USN-4432-1: GRUB 2 vulnerabilities   Ubuntu security notices   Ubuntu</a>
<a href="#">1852009 – (CVE-2020-14308) CVE-2020-14308 grub2: grub_malloc does not validate allocation size allowing for arithmetic overflow and sub</a>
<a href="#">oss-security - Containers-optimized OS (COS) membership in the linux-distros list</a>

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

377345	Alibaba Cloud Linux Security Update for grub2 (ALINUX3-SA-2022:0064)
377367	Alibaba Cloud Linux Security Update for grub2 (ALINUX3-SA-2021:0026)
377533	Alibaba Cloud Linux Security Update for grub2 (ALINUX2-SA-2020:0108)
502730	Alpine Linux Security Update for grub
710015	Gentoo Linux GRUB Multiple Vulnerabilities (GLSA 202104-05)
900056	CBL-Mariner Linux Security Update for grub2 2.06~rc1
901826	Common Base Linux Mariner (CBL-Mariner) Security Update for grub2 (6456-1)
903304	Common Base Linux Mariner (CBL-Mariner) Security Update for grub2 (1825)
905953	Common Base Linux Mariner (CBL-Mariner) Security Update for grub2 (1825-1)
906325	Common Base Linux Mariner (CBL-Mariner) Security Update for grub2 (6456-2)

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