



CVE-2021-3696

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

Summary

CVE	CVE-2021-3696
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-07-06 16:15:00 UTC
Updated	2023-09-13 16:15:00 UTC
Description	A heap out-of-bounds write may heppen during the handling of Huffman tables in the PNG reader. This may lead to data co

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Ed
Application	Gnu	Grub	All	All	All
Application	Gnu	Grub2	All	All	All
Application	Netapp	Ontap Select Deploy Administration Utility	-	All	All
Application	Redhat	Codeready Linux Builder	-	All	All
Application	Redhat	Developer Tools	1.0	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All
Operating System	Redhat	Enterprise Linux	8.1	All	All
Operating System	Redhat	Enterprise Linux	8.4	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All
Operating System	Redhat	Enterprise Linux Eus	8.2	All	All
Operating System	Redhat	Enterprise Linux Eus	8.4	All	All
Operating System	Redhat	Enterprise Linux Eus	8.6	All	All
Operating System	Redhat	Enterprise Linux Eus	9.0	All	All
Operating System	Redhat	Enterprise Linux Eus	8.2	All	All
Operating System	Redhat	Enterprise Linux Eus	8.4	All	All

Operating System	Redhat	Enterprise Linux Eus	8.6	All	All
Operating System	Redhat	Enterprise Linux Eus	9.0	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian	8.0	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian	9.0	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	8.2	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	8.4	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	8.6	All	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	9.0	All	All
Operating System	Redhat	Enterprise Linux Server Aus	8.2	All	All
Operating System	Redhat	Enterprise Linux Server Aus	8.4	All	All
Operating System	Redhat	Enterprise Linux Server Aus	8.6	All	All
Operating System	Redhat	Enterprise Linux Server For Power Little Endian Update Services For Sap Solutions	8.1	All	All
Operating System	Redhat	Enterprise Linux Server For Power Little Endian Update Services For Sap Solutions	8.2	All	All
Operating System	Redhat	Enterprise Linux Server For Power Little Endian Update Services For Sap Solutions	8.4	All	All
Operating System	Redhat	Enterprise Linux Server For Power Little Endian Update Services For Sap Solutions	8.6	All	All
Operating System	Redhat	Enterprise Linux Server For Power Little Endian Update Services For Sap Solutions	9.0	All	All
Operating System	Redhat	Enterprise Linux Server Tus	8.2	All	All
Operating System	Redhat	Enterprise Linux Server Tus	8.4	All	All
Operating System	Redhat	Enterprise Linux Server Tus	8.6	All	All
Application	Redhat	Openshift	3.0	All	All
Application	Redhat	Openshift Container Platform	4.10	All	All
Application	Redhat	Openshift Container Platform	4.6	All	All
Application	Redhat	Openshift Container Platform	4.9	All	All

References

Reference	Source
July 2022 Grub Vulnerabilities in NetApp Products NetApp Product Security	COF
1991686 – (CVE-2021-3696) CVE-2021-3696 grub2: Crafted PNG image may lead to out-of-bound write during huffman table handling	MIS
GRUB: Multiple Vulnerabilities (GLSA 202209-12) — Gentoo security	GEN
CVE Program record	CVE
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

159883 Oracle Enterprise Linux Security Update for grub2 (ELSA-2022-9471)
159884 Oracle Enterprise Linux Security Update for grub2 (ELSA-2022-9469)
159943 Oracle Enterprise Linux Security Update for grub2 (ELSA-2022-5099)
159967 Oracle Enterprise Linux Security Update for grub2, mokutil, shim, and shim-unsigned-x64 (ELSA-2022-5095)
159985 Oracle Enterprise Linux Security Update for grub2 (ELSA-2022-9596)
159986 Oracle Enterprise Linux Security Update for grub2 (ELSA-2022-9595)
161027 Oracle Enterprise Linux Security Update for grub2 (ELSA-2023-12952)
181019 Debian Security Update for grub2 (CVE-2021-3696)
240473 Red Hat Update for grub2, mokutil, shim, and shim-unsigned-x64 (RHSA-2022:5100)
240474 Red Hat Update for grub2, mokutil, shim, and shim-unsigned-x64 (RHSA-2022:5099)
240476 Red Hat Update for grub2, mokutil, shim, and shim-unsigned-x64 (RHSA-2022:5096)
240477 Red Hat Update for grub2, mokutil, shim, and shim-unsigned-x64 (RHSA-2022:5095)
282811 Fedora Security Update for grub2 (FEDORA-2022-27932fdd06)
282866 Fedora Security Update for grub2 (FEDORA-2022-9b4f9af4ce)
354332 Amazon Linux Security Advisory for grub2 : ALAS2022-2022-109
354535 Amazon Linux Security Advisory for grub2 : ALAS-2022-109
355137 Amazon Linux Security Advisory for grub2 : ALAS2023-2023-020
355617 Amazon Linux Security Advisory for grub2 : ALAS2-2023-2146
377130 Alibaba Cloud Linux Security Update for grub2, mokutil, shim, and shim-unsigned-x64 (ALINUX3-SA-2022:0134)
377622 Alibaba Cloud Linux Security Update for grub2, mokutil, shim, and shim-unsigned-x64 (ALINUX3-SA-2022:0164)
672021 EulerOS Security Update for grub2 (EulerOS-SA-2022-2242)
672026 EulerOS Security Update for grub2 (EulerOS-SA-2022-2221)
672031 EulerOS Security Update for grub2 (EulerOS-SA-2022-2255)
672032 EulerOS Security Update for grub2 (EulerOS-SA-2022-2268)
672109 EulerOS Security Update for grub2 (EulerOS-SA-2022-2318)
672131 EulerOS Security Update for grub2 (EulerOS-SA-2022-2289)
672248 EulerOS Security Update for grub2 (EulerOS-SA-2022-2611)
710619 Gentoo Linux GRUB Multiple Vulnerabilities (GLSA 202209-12)

752214 SUSE Enterprise Linux Security Update for grub2 (SUSE-SU-2022:2037-1)
752215 SUSE Enterprise Linux Security Update for grub2 (SUSE-SU-2022:2041-1)
752216 SUSE Enterprise Linux Security Update for grub2 (SUSE-SU-2022:2036-1)
752217 SUSE Enterprise Linux Security Update for grub2 (SUSE-SU-2022:2035-1)
752218 SUSE Enterprise Linux Security Update for grub2 (SUSE-SU-2022:2038-1)
752221 SUSE Enterprise Linux Security Update for grub2 (SUSE-SU-2022:2064-1)
752229 SUSE Enterprise Linux Security Update for grub2 (SUSE-SU-2022:2074-1)
907536 Common Base Linux Mariner (CBL-Mariner) Security Update for grub2 (31035-1)
940639 AlmaLinux Security Update for grub2, (ALSA-2022:5095)
940640 AlmaLinux Security Update for grub2, (ALSA-2022:5099)
960155 Rocky Linux Security Update for grub2, (RLSA-2022:5095)
960538 Rocky Linux Security Update for grub2, (RLSA-2022:5099)

© [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](#)