CVE-2021-31566

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Summary

CVE	CVE-2021-31566
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-23 16:15:00 UTC
Updated	2024-03-27 16:04:00 UTC
Description	An improper link resolution flaw can occur while extracting an archive leading to changing modes, times, access control lists

Risk And Classification

Problem Types: CWE-59

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update
Operating System	Debian	Debian Linux	10.0	All
Operating System	Fedoraproject	Fedora	35	All
Application	Libarchive	Libarchive	All	All
Application	Redhat	Codeready Linux Builder	-	All
Operating System	Redhat	Enterprise Linux	8.0	All
Operating System	Redhat	Enterprise Linux	8.0	All
Operating System	Redhat	Enterprise Linux Eus	8.6	All
Operating System	Redhat	Enterprise Linux Eus	8.6	All
Operating System	Redhat	Enterprise Linux For Ibm Z Systems	8.0	All
Operating System	Redhat	Enterprise Linux For Ibm Z Systems	8.0	All
Operating System	Redhat	Enterprise Linux For Ibm Z Systems Eus	8.6	All
Operating System	Redhat	Enterprise Linux For Ibm Z Systems Eus	8.6	All
Operating System	Redhat	Enterprise Linux For Power Little Endian	8.0	All
Operating System	Redhat	Enterprise Linux For Power Little Endian	8.0	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	8.6	All
Operating System	Redhat	Enterprise Linux For Power Little Endian Eus	8.6	All
Operating System	Redhat	Enterprise Linux Server Aus	8.6	All

Operating System	Redhat	Enterprise Linux Server For Power Little Endian Update Services For Sap Solutions	8.6	All
Operating System	Redhat	Enterprise Linux Server Tus	8.6	All
Application	Splunk	Universal Forwarder	All	All
Application	Splunk	Universal Forwarder	9.1.0	All

References

Reference
Red Hat Customer Portal - Access to 24x7 support and knowledge
[SECURITY] Processing fixup entries may follow symbolic links · Issue #1566 · libarchive/libarchive · GitHub
[SECURITY] [DLA 3202-1] libarchive security update
2024237 – (CVE-2021-31566) CVE-2021-31566 libarchive: symbolic links incorrectly followed when changing modes, times, ACL and flags of
Do not follow symlinks when processing the fixup list · libarchive/libarchive@b41daec · GitHub
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 159709 Oracle Enterprise Linux Security Update for libarchive (ELSA-2022-0892)
- 179253 Debian Security Update for libarchive (DLA 2987-1)
- 180499 Debian Security Update for libarchive (CVE-2021-31566)
- 181241 Debian Security Update for libarchive (DLA 3202-1)
- 198669 Ubuntu Security Notification for libarchive Vulnerabilities (USN-5291-1)
- 240147 Red Hat Update for libarchive (RHSA-2022:0892)
- 282426 Fedora Security Update for libarchive (FEDORA-2022-9bb794c5f5)
- 354321 Amazon Linux Security Advisory for libarchive : ALAS2022-2022-201
- 354419 Amazon Linux Security Advisory for libarchive : ALAS2022-2022-059
- 354576 Amazon Linux Security Advisory for libarchive : ALAS-2022-201
- 355055 Amazon Linux Security Advisory for libarchive : AL2012-2022-379
- 355173 Amazon Linux Security Advisory for libarchive : ALAS2023-2023-071
- 356757 Amazon Linux Security Advisory for libarchive : ALAS2-2023-2374
- 376502 Cygwin libarchive Package Multiple Security Vulnerabilities

377362 Alibaba Cloud Linux Security Update for libarchive (ALINUX3-SA-2022:0019)

378599 Splunk Enterprise Third Party Package Updates for June (SVD-2023-0613)

378883 Splunk Enterprise August Third Party Package Updates (SVD-2023-0808)

501419 Alpine Linux Security Update for libarchive

671424 EulerOS Security Update for libarchive (EulerOS-SA-2022-1353)

671445 EulerOS Security Update for libarchive (EulerOS-SA-2022-1430)

671481 EulerOS Security Update for libarchive (EulerOS-SA-2022-1451)

671500 EulerOS Security Update for libarchive (EulerOS-SA-2022-1490)

671522 EulerOS Security Update for libarchive (EulerOS-SA-2022-1509)

710601 Gentoo Linux libarchive Multiple Vulnerabilities (GLSA 202208-26)

752783 SUSE Enterprise Linux Security Update for libarchive (SUSE-SU-2022:3936-1)

752785 SUSE Enterprise Linux Security Update for libarchive (SUSE-SU-2022:3935-1)

940470 AlmaLinux Security Update for libarchive (ALSA-2022:0892)

960713 Rocky Linux Security Update for libarchive (RLSA-2022:0892)