



CVE-2019-20907

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

Summary

CVE	CVE-2019-20907
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-07-13 13:15:00 UTC
Updated	2023-11-07 03:09:00 UTC
Description	In Lib/tarfile.py in Python through 3.8.3, an attacker is able to craft a TAR archive leading to an infinite loop when opened by

Risk And Classification

Problem Types: CWE-835

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	20.04	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	20.04	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Fedoraproject	Fedora	32	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Fedoraproject	Fedora	32	All	All	All
Application	Netapp	Active Iq Unified Manager	All	All	All	All

Application	Netapp	Active Iq Unified Manager	All	All	All	All
Application	Netapp	Cloud Volumes Ontap Mediator	-	All	All	All
Application	Netapp	Cloud Volumes Ontap Mediator	-	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.2	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.2	All	All	All
Application	Oracle	Zfs Storage Appliance Kit	8.8	All	All	All
Application	Python	Python	All	All	All	All
Application	Python	Python	All	All	All	All

References

Reference	Source	Link
CVE-2019-20907 Python Vulnerability in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
[SECURITY] Fedora 32 Update: python35-3.5.9-9.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[security-announce] openSUSE-SU-2020:1265-1: moderate: Security update f	SUSE	lists.opensuse.org
[security-announce] openSUSE-SU-2020:1258-1: moderate: Security update f	SUSE	lists.opensuse.org
[SECURITY] Fedora 32 Update: python27-2.7.18-2.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 31 Update: python38-3.8.5-1.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
[SECURITY] Fedora 32 Update: python3-docs-3.8.5-1.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
USN-4428-1: Python vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com
[SECURITY] Fedora 31 Update: python3-3.7.8-2.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 32 Update: python39-3.9.0~b5-1.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
[SECURITY] [DLA 2456-1] python3.5 security update	MLIST	lists.debian.org
[SECURITY] Fedora 31 Update: python2-2.7.18-2.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
Issue 39017: Infinite loop in the tarfile module - Python tracker	CONFIRM	bugs.python.org
[SECURITY] Fedora 32 Update: python35-3.5.9-9.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
[SECURITY] [DLA 3432-1] python2.7 security update	MLIST	lists.debian.org
Python: Multiple vulnerabilities (GLSA 202008-01) — Gentoo security	GENTOO	security.gentoo.org
[SECURITY] Fedora 32 Update: python34-3.4.10-11.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
[SECURITY] Fedora 32 Update: python3-docs-3.8.5-1.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 31 Update: python35-3.5.9-9.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 32 Update: mingw-python3-3.8.3-3.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 32 Update: mingw-python3-3.8.3-3.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
[SECURITY] Fedora 32 Update: python39-3.9.0~b5-1.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 31 Update: python35-3.5.9-9.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org

[SECURITY] Fedora 31 Update: python3-3.7.8-2.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] Fedora 32 Update: python34-3.4.10-11.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 31 Update: python39-3.9.0~b5-1.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] Fedora 32 Update: python36-3.6.11-3.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 31 Update: python38-3.8.5-1.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 32 Update: python36-3.6.11-3.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[security-announce] openSUSE-SU-2020:1257-1: moderate: Security update f	SUSE	lists.opensuse.org
[SECURITY] Fedora 31 Update: python36-3.6.11-3.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] Fedora 31 Update: python2-2.7.18-2.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[security-announce] openSUSE-SU-2020:1254-1: moderate: Security update f	SUSE	lists.opensuse.org
[SECURITY] Fedora 31 Update: python35-3.5.9-9.fc31 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] Fedora 32 Update: python37-3.7.8-2.fc32 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 32 Update: python27-2.7.18-2.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] Fedora 31 Update: python39-3.9.0~b5-1.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] [DLA 2337-1] python2.7 security update	MLIST	lists.debian.org
Oracle Critical Patch Update Advisory - January 2021	MISC	www.oracle.com
bpo-39017 Fix infinite loop in the tarfile module by rishi93 · Pull Request #21454 · python/cpython · GitHub	CONFIRM	github.com
[SECURITY] Fedora 31 Update: python36-3.6.11-3.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 32 Update: python37-3.7.8-2.fc32 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- [159654](#) Oracle Enterprise Linux Security Update for python38:3.8 (ELSA-2020-4641)
- [159683](#) Oracle Enterprise Linux Security Update for python27:2.7 (ELSA-2020-4654)
- [181802](#) Debian Security Update for python2.7 (DLA 3432-1)
- [198293](#) Ubuntu Security Notification for Python2.7, Python3.7, Python3.8 Vulnerabilities (USN-4754-3)
- [239171](#) Red Hat Update for python (RHSA-2021:0881)
- [296072](#) Oracle Solaris 11.4 Support Repository Update (SRU) 25.75.3 Missing (CPUJUL2020)
- [356271](#) Amazon Linux Security Advisory for python38 : ALASPYTHON3.8-2023-008
- [375669](#) F5 BIG-IP ASM,LTM,APM BIG-IP Python Tarfile Library Vulnerability (K78284681)
- [377387](#) Alibaba Cloud Linux Security Update for python3 (ALINUX3-SA-2021:0080)

377488 Alibaba Cloud Linux Security Update for python3 (ALINUX2-SA-2020:0186)
377543 Alibaba Cloud Linux Security Update for python (ALINUX2-SA-2020:0183)
500593 Alpine Linux Security Update for python3
504343 Alpine Linux Security Update for python3
690464 Free Berkeley Software Distribution (FreeBSD) Security Update for python (2cb21232-fb32-11ea-a929-a4bf014bf5f7)
730227 McAfee Web Gateway Multiple Vulnerabilities (WP-3426, WP-3427, WP-3307, WP-3444, WP-3452, WP-3475)
750463 OpenSUSE Security Update for python3 (openSUSE-SU-2020:2333-1)
750464 OpenSUSE Security Update for python3 (openSUSE-SU-2020:2332-1)
770068 Red Hat OpenShift Container Platform 4.6 Security Update (RHSA-2021:0436)
900115 CBL-Mariner Linux Security Update for python2 2.7.18
900127 CBL-Mariner Linux Security Update for python3 3.7.7
901888 Common Base Linux Mariner (CBL-Mariner) Security Update for python2 (6825-1)
902988 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (1868)
903138 Common Base Linux Mariner (CBL-Mariner) Security Update for python2 (1910)
940032 AlmaLinux Security Update for python27:2.7 (ALSA-2020:4654)
940166 AlmaLinux Security Update for python3 (ALSA-2020:4433)
940211 AlmaLinux Security Update for python38:3.8 (ALSA-2020:4641)
960347 Rocky Linux Security Update for python38:3.8 (RLSA-2020:4641)
960365 Rocky Linux Security Update for python27:2.7 (RLSA-2020:4654)

© [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](#)