



# CVE-2022-22817

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2022-22817
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-01-10 14:12:00 UTC
<b>Updated</b>	2023-12-10 18:15:00 UTC
<b>Description</b>	PIL.ImageMath.eval in Pillow before 9.0.0 allows evaluation of arbitrary expressions, such as ones that use the Python exe

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	9.0	All	All	All
Application	<a href="#">Python</a>	<a href="#">Pillow</a>	All	All	All	All

## References

Reference	Source	Link	Tags
9.0.1 — Pillow (PIL Fork) 9.0.1 documentation	CONFIRM	<a href="https://pillow.readthedocs.io">pillow.readthedocs.io</a>	
Debian -- Security Information -- DSA-5053-1 pillow	DEBIAN	<a href="https://www.debian.org">www.debian.org</a>	
9.0.0 — Pillow (PIL Fork) 9.0.0 documentation	MISC	<a href="https://pillow.readthedocs.io">pillow.readthedocs.io</a>	
Pillow: Multiple Vulnerabilities (GLSA 202211-10) — Gentoo security	GENTOO	<a href="https://security.gentoo.org">security.gentoo.org</a>	
[SECURITY] [DLA 2893-1] pillow security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

## Legacy OID Mappings

<a href="#">159644</a> Oracle Enterprise Linux Security Update for python-pillow (ELSA-2022-0643)
<a href="#">159676</a> Oracle Enterprise Linux Security Update for python-pillow (ELSA-2022-0609)
<a href="#">179015</a> Debian Security Update for pillow (DSA 5053-1)
<a href="#">179022</a> Debian Security Update for pillow (DLA 2893-1)
<a href="#">181913</a> Debian Security Update for pillow (CVE-2022-22817)
<a href="#">198632</a> Ubuntu Security Notification for Pillow Vulnerabilities (USN-5227-1)
<a href="#">199002</a> Ubuntu Security Notification for Pillow Vulnerability (USN-5227-3)
<a href="#">240104</a> Red Hat Update for python-pillow (RHSA-2022:0609)
<a href="#">240105</a> Red Hat Update for python-pillow (RHSA-2022:0643)
<a href="#">240109</a> Red Hat Update for python-pillow (RHSA-2022:0667)
<a href="#">240114</a> Red Hat Update for python-pillow (RHSA-2022:0665)
<a href="#">257156</a> CentOS Security Update for python-pillow (CESA-2022:0609)
<a href="#">282334</a> Fedora Security Update for mingw (FEDORA-2022-a1bc7decc9)
<a href="#">282335</a> Fedora Security Update for mingw (FEDORA-2022-e4087f9366)
<a href="#">296062</a> Oracle Solaris 11.4 Support Repository Update (SRU) 43.113.3 Missing (CPUJAN2022)
<a href="#">353267</a> Amazon Linux Security Advisory for python-pillow : ALAS2-2022-1786
<a href="#">354453</a> Amazon Linux Security Advisory for python-pillow : ALAS2022-2022-196
<a href="#">355177</a> Amazon Linux Security Advisory for python-pillow : ALAS2023-2023-057
<a href="#">377242</a> Alibaba Cloud Linux Security Update for python-pillow (ALINUX2-SA-2022:0014)
<a href="#">377325</a> Alibaba Cloud Linux Security Update for python-pillow (ALINUX3-SA-2022:0012)
<a href="#">502019</a> Alpine Linux Security Update for py3-pillow
<a href="#">502344</a> Alpine Linux Security Update for py3-pillow
<a href="#">505321</a> Alpine Linux Security Update for py3-pillow
<a href="#">6000536</a> Debian Security Update for pillow (DLA 3768-1)
<a href="#">671473</a> EulerOS Security Update for python-pillow (EulerOS-SA-2022-1436)
<a href="#">671476</a> EulerOS Security Update for python-pillow (EulerOS-SA-2022-1457)
<a href="#">671503</a> EulerOS Security Update for python-pillow (EulerOS-SA-2022-1514)
<a href="#">671507</a> EulerOS Security Update for python-pillow (EulerOS-SA-2022-1495)

<a href="#">671547</a> EulerOS Security Update for python-pillow (EulerOS-SA-2022-1549)
<a href="#">671591</a> EulerOS Security Update for python-pillow (EulerOS-SA-2022-1583)
<a href="#">671670</a> EulerOS Security Update for python-pillow (EulerOS-SA-2022-1760)
<a href="#">710682</a> Gentoo Linux Pillow Multiple Vulnerabilities (GLSA 202211-10)
<a href="#">940457</a> AlmaLinux Security Update for python-pillow (ALSA-2022:0643)
<a href="#">960856</a> Rocky Linux Security Update for python-pillow (RLSA-2022:0643)

© [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](#)