



CVE-2021-20270

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

Summary

CVE	CVE-2021-20270
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-03-23 17:15:00 UTC
Updated	2021-12-10 17:04:00 UTC
Description	An infinite loop in SMLLexer in Pygments versions 1.5 to 2.7.3 may lead to denial of service when performing syntax highlight

Risk And Classification

Problem Types: CWE-835

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Application	Pygments	Pygments	All	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Application	Redhat	Openshift Container Platform	3.11	All	All	All
Application	Redhat	Openshift Container Platform	4.0	All	All	All
Application	Redhat	Openstack Platform	10.0	All	All	All
Application	Redhat	Software Collections	-	All	All	All

References

Reference	Source	Link
1922136 – (CVE-2021-20270) CVE-2021-20270 python-pygments: infinite loop in SML lexer may lead to DoS	MISC	bugzilla.redhat.c
[SECURITY] [DLA 2648-1] mediawiki security update	MLIST	lists.debian.org
Oracle Critical Patch Update Advisory - October 2021	MISC	www.oracle.com
[SECURITY] [DLA 2648-2] mediawiki regression update	MLIST	lists.debian.org

Debian -- Security Information -- DSA-4889-1 mediawiki	DEBIAN	www.debian.org
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

- [159462](#) Oracle Enterprise Linux Security Update for python36:3.6 (ELSA-2021-4150)
- [159463](#) Oracle Enterprise Linux Security Update for python27:2.7 (ELSA-2021-4151)
- [159560](#) Oracle Enterprise Linux Security Update for resource-agents (ELSA-2021-9553)
- [174980](#) SUSE Enterprise Linux Security Update for python-Pygments (SUSE-SU-2021:1500-1)
- [178484](#) Debian Security Update for pygments (DSA 4870-1)
- [178531](#) Debian Security Update for mediawiki (DSA 4889-1)
- [178584](#) Debian Security Update for mediawiki (DLA 2648-2)
- [178613](#) Debian Security Update for mediawiki (DLA 2648-1)
- [179740](#) Debian Security Update for pygmentsmediawiki (CVE-2021-20270)
- [198305](#) Ubuntu Security Notification for Pygments Vulnerability (USN-4885-1)
- [199654](#) Ubuntu Security Notification for Pygments Vulnerabilities (USN-4897-2)
- [239582](#) Red Hat Update for python27 (RHSA-2021:3252)
- [239798](#) Red Hat Update for resource-agents security (RHSA-2021:4139)
- [239809](#) Red Hat Update for python36:3.6 (RHSA-2021:4150)
- [239826](#) Red Hat Update for python27:2.7 (RHSA-2021:4151)
- [296053](#) Oracle Solaris 11.4 Support Repository Update (SRU) 35.94.4 Missing (CPUJUL2021)
- [501770](#) Alpine Linux Security Update for py3-pygments
- [504333](#) Alpine Linux Security Update for py3-pygments
- [670337](#) EulerOS Security Update for python-pygments (EulerOS-SA-2021-1887)
- [670435](#) EulerOS Security Update for python-pygments (EulerOS-SA-2021-2065)
- [670446](#) EulerOS Security Update for python-pygments (EulerOS-SA-2021-2054)
- [670683](#) EulerOS Security Update for python-pygments (EulerOS-SA-2021-2441)
- [751253](#) SUSE Enterprise Linux Security Update for python-Pygments (SUSE-SU-2021:3473-1)

751295 OpenSUSE Security Update for python-Pygments (openSUSE-SU-2021:1402-1)
900162 CBL-Mariner Linux Security Update for python-pygments 2.4.2
901183 Common Base Linux Mariner (CBL-Mariner) Security Update for python-pygments (6811-1)
903020 Common Base Linux Mariner (CBL-Mariner) Security Update for python-pygments (3995)
940186 AlmaLinux Security Update for resource-agents (ALSA-2021:4139)
940522 AlmaLinux Security Update for python27:2.7 (ALSA-2021:4151)
940566 AlmaLinux Security Update for python36:3.6 (ALSA-2021:4150)
960320 Rocky Linux Security Update for python27:2.7 (RLSA-2021:4151)
960392 Rocky Linux Security Update for python36:3.6 (RLSA-2021:4150)
960815 Rocky Linux Security Update for resource-agents (RLSA-2021:4139)
980347 Python (pip) Security Update for Pygments (GHSA-9w8r-397f-prfh)

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