CVE-2018-6789

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Summary

CVE	CVE-2018-6789
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-02-08 23:29:00 UTC
Updated	2021-06-03 18:15:00 UTC
Description	An issue was discovered in the base64d function in the SMTP listener in Exim before 4.90.1. By sending a handcrafted mes

Risk And Classification

EPSS: 0.864390000 probability, percentile 0.994130000 (date 2026-04-17)

CISA KEV: Listed on 2021-11-03; due 2022-05-03; ransomware use Known

Problem Types: CWE-119

CISA Known Exploited Vulnerability

Vendor	Exim
Product	Exim
Name	Exim Buffer Overflow Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2018-6789

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	17.10	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	17.10	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All

Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Exim	Exim	All	All	All	All
Application	Exim	Exim	All	All	All	All

References

Reference	Source	Link
oss-security - Exim 4.90.1 released. (Was: CVE-2018-6789 Exim 4.90 and earlier: buffer overflow)	CONFIRM	openwall.com
[SECURITY] [DLA 1274-1] exim4 security update	MLIST	lists.debian.org
Exim base64d Buffer Overflow ≈ Packet Storm	MISC	packetstormsecurity.com
Exim 'base64d()' Function Buffer Overflow Vulnerability	BID	www.securityfocus.com
oss-security - CVE-2018-6789 Exim 4.90 and earlier: buffer overflow	MLIST	www.openwall.com
Exim Buffer Overflow in base64d() Lets Remote Users Execute Arbitrary Code - SecurityTracker	SECTRACK	www.securitytracker.com
USN-3565-1: Exim vulnerability | Ubuntu security notices	UBUNTU	usn.ubuntu.com
Exim Off-by-one RCE: Exploiting CVE-2018-6789 with Fully Mitigations Bypassing | DEVCORE	MISC	devco.re
git.exim.org Git - exim.git/commit	CONFIRM	git.exim.org
exim 4.90 - Remote Code Execution - Linux remote Exploit	EXPLOIT-DB	www.exploit-db.com
Exim < 4.90.1 - 'base64d' Remote Code Execution - Linux remote Exploit	EXPLOIT-DB	www.exploit-db.com
Debian -- Security Information -- DSA-4110-1 exim4	DEBIAN	www.debian.org
exim.org/static/doc/security/CVE-2018-6789.txt	CONFIRM	exim.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 500887 Alpine Linux Security Update for exim
- 504720 Alpine Linux Security Update for exim
- 710286 Gentoo Linux Exim Multiple Vulnerabilities (GLSA 201803-01)
- 750227 OpenSUSE Security Update for exim (openSUSE-SU-2021:0677-1)

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report