



Perl threads have a working directory race condition where file operations may target unintended paths

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Summary

CVE	CVE-2025-40909
State	PUBLISHED
Assigner	CPANSec
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-05-30 13:15:22 UTC
Updated	2026-04-18 15:16:18 UTC
Description	Perl threads have a working directory race condition where file operations may target unintended paths. If a directory handl

Risk And Classification

Primary CVSS: v3.1 5.9 MEDIUM from ADP

CVSS:3.1/AV:L/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L

EPSS: 0.000340000 probability, percentile 0.096450000 (date 2026-04-18)

Problem Types: CWE-426 | CWE-689 | CWE-689 CWE-689 Permission Race Condition During Resource Copy | CWE-426 CWE-426 Untrusted Search Path

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	5.9	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	5.9	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

Low

CVSS:3.1/AV:L/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Perl	Perl	affected 5.13.6 5.41.13 custom	Not specified

References

Reference	Source	Link
www.openwall.com/lists/oss-security/2025/06/02/5	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com
bugs.debian.org/cgi-bin/bugreport.cgi	9b29abf9-4ab0-4765-b253-1875cd9b441e	bugs.debian.org
www.openwall.com/lists/oss-security/2025/05/22/2	9b29abf9-4ab0-4765-b253-1875cd9b441e	www.openwall.com
www.openwall.com/lists/oss-security/2025/06/02/7	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com
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lists.debian.org/debian-lts-announce/2026/04/msg00018.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
www.openwall.com/lists/oss-security/2025/06/02/2	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com
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www.openwall.com/lists/oss-security/2025/05/23/1	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com
github.com/Perl/perl5/commit/918bfff86ca8d6d4e4ec5b30994451e0bd74aba9.patch	9b29abf9-4ab0-4765-b253-1875cd9b441e	github.com
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perldoc.perl.org/5.14.0/perl5136delta	9b29abf9-4ab0-4765-b253-1875cd9b441e	perldoc.perl.org
github.com/Perl/perl5/issues/10387	9b29abf9-4ab0-4765-b253-1875cd9b441e	github.com
github.com/Perl/perl5/issues/23010	9b29abf9-4ab0-4765-b253-1875cd9b441e	github.com
seclists.org/fulldisclosure/2025/Sep/55	af854a3a-2127-422b-91ae-364da2661108	seclists.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

Vendor Comments And Credit

Discovery Credit

CNA: Vincent Lefevre (en)

Additional Advisory Data

Solutions

CNA: Update perl to an unaffected version, or apply the patch provided in the references section.

There are currently no legacy QID mappings associated with this CVE.

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