



Storable versions before 3.05 for Perl has a stack overflow

MITRE

NVD

CVE.ORG

JSON API

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Summary	
CVE	CVE-2017-20230
State	PUBLISHED
Assigner	CPANSec
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-21 16:16:18 UTC
Updated	2026-04-22 17:36:04 UTC
Description	Storable versions before 3.05 for Perl has a stack overflow. The retrieve_hook function stored the length of the class name

Risk And Classification

Primary CVSS: v3.1 10 CRITICAL from ADP

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

EPSS: 0.000280000 probability, percentile 0.080830000 (date 2026-04-22)

Problem Types: CWE-121 | CWE-121 CWE-121 Stack-based Buffer Overflow

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	10	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	10	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H

CVSS v3.1 Breakdown	
Attack Vector	Network
Attack Complexity	Low
Privileges Required	None
User Interaction	None
Scope	Changed
Confidentiality	High

High

Integrity

High

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Application	Nwclark	Storable	All	All	All	All

Vendor Declared Affected Products				
Source	Vendor	Product	Version	Platforms
CNA	NWCLARK	Storable	affected 3.05 custom	Not specified

References			
Reference	Source		Link
www.nntp.perl.org/group/perl.perl5.porters/2017/01/msg242533.html	9b29abf9-4ab0-4765-b253-1875cd9b441e		www.nnt
metacpan.org/release/RURBAN/Storable-3.05/changes	9b29abf9-4ab0-4765-b253-1875cd9b441e		metacpa
github.com/Perl/perl5/commit/a258c17c6937f79529c8319a829310e09cdbd216.patch	9b29abf9-4ab0-4765-b253-1875cd9b441e		github.cc
www.openwall.com/lists/oss-security/2026/04/21/5	af854a3a-2127-422b-91ae-364da2661108		www.op
github.com/Perl/perl5/issues/15831	9b29abf9-4ab0-4765-b253-1875cd9b441e		github.cc
www.nntp.perl.org/group/perl.perl5.porters/2017/01/msg242703.html	9b29abf9-4ab0-4765-b253-1875cd9b441e		www.nnt
CVE Program record	CVE.ORG		www.cve
NVD vulnerability detail	NVD		nvd.nist.

No vendor comments have been submitted for this CVE.

Additional Advisory Data		
Source	Time	Event
CNA	2017-01-24T00:00:00.000Z	Perl bug RT1 30635 reported.
CNA	2017-01-25T00:00:00.000Z	Patch committed.
CNA	2017-01-29T00:00:00.000Z	Storable version 3.05 released.
CNA	2018-02-20T00:00:00.000Z	Perl v5.27.9 released with Storable 3.06.
CNA	2018-10-06T00:00:00.000Z	issue assigned CPANSA-Storable-2017-01 in the CPANSA distribution.

Solutions

CNA: Upgrade to Storable version 3.05 or newer.

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

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