Apache Log4net: Silent log event loss in XmlLayout and XmlLayoutSchemaLog4J due to unescaped XML 1.0 forbidden characters

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2026-40021
State	PUBLISHED
Assigner	apache
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-10 16:16:32 UTC
Updated	2026-04-10 17:17:12 UTC
Description	Apache Log4net's XmlLayout https://logging.apache.org/log4net/manual/configuration/layouts.html#layout-list and XmlLayo

Risk And Classification

Primary CVSS: v4.0 6.3 MEDIUM from security@apache.org

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:N/SC:N/SI:L/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-116 | CWE-116 CWE-116 Improper Encoding or Escaping of Output

Version	Source	Type	Score	Severity	Vector
4.0	security@apache.org	Secondary	6.3	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:N/SC:N/SI:L/SA:N/E:X
4.0	CNA	CVSS	6.3	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:N/SC:N/SI:L/SA:N

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

None

ntegrity

None

Availability

None

Sub Conf.

None

Sub Integrity

Low

Sub Availability

None

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:N/SC:N/SI:L/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Apache Software Foundation	Apache Log4net	affected 3.3.0 nuget	Not specified

References

Reference	Source	Link	Tags
lists.apache.org/thread/q8otftjswhk69n3kxslqg7cobr0x4st7	security@apache.org	lists.apache.org	
logging.apache.org/security.html	security@apache.org	logging.apache.org	
logging.apache.org/cyclonedx/vdr.xml	security@apache.org	logging.apache.org	
github.com/apache/logging-log4net/pull/280	security@apache.org	github.com	
logging.apache.org/log4net/manual/configuration/layouts.html	security@apache.org	logging.apache.org	
www.openwall.com/lists/oss-security/2026/04/10/11	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical,

Vendor Comments And Credit

Discovery Credit

CNA: f00dat (en)

Additional Advisory Data

Source	Time	Event
CNA	2026-02-10T23:34:00.000Z	Vulnerability reported by f00dat
CNA	2026-02-17T08:03:00.000Z	Fix shared publicly by Jan Friedrich as pull request #280

CNA	2026-02-20T13:12:00.000Z	Log4net 3.3.0 released

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

Free CVE JSON API cve.report/api

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