

CVE-2016-3427

Oracle Java SE and JRockit Unspecified Vulnerability

Exigent

CISA KEV since May 12, 2023

Actively exploited

Unspecified vulnerability in Oracle Java SE 6u113, 7u99, and 8u77; Java SE Embedded 8u77; and JRockit R28.3.9 allows remote attackers to affect confidentiality, integrity, and availability via vectors related to JMX.

EVRS 85/100 Immediate priority	CVSS V3.1 9.8 Critical · NVD	EPSS 0.923 99.83rd percentile · FIRST	CISA DEADLINE Jun 2, 2023 KEV since 2023 · listed over a year
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Signals behind the score

☒ counted in the score ☐ not counted

evidence for 6 of 8 signals

☒ CISA KEV	Listed in the catalog	☐ Vendor exploitation	Confirmed exploitation in the wild
☐ Ransomware	No known ransomware campaign association	☐ KEV recency	On the CISA KEV catalog for over two years
☒ EPSS	0.923 probability	☐ Pre-patch disclosure	Disclosure status unavailable
☒ CVSS	Base score 9.8	☐ Microsoft Exploitability Index	Not a Microsoft CVE

Remediation

Out-of-band / urgent Patch or fixed version identified

CISA required action: Apply updates per vendor instructions.

Basis: CISA KEV required action

Affected and fixed versions · 30 more affected products on the NVD record

PACKAGE	AFFECTED	FIXED IN	SOURCE
jdk	1.6.0 1.7.0 1.8.0	no fixed version listed	NVD
jre	1.6.0 1.7.0 1.8.0	no fixed version listed	NVD
jrockit	r28.3.9	no fixed version listed	NVD
e-series santricity management plug-ins	—	no fixed version listed	NVD
e-series santricity storage manager	—	no fixed version listed	NVD
e-series santricity web services	—	no fixed version listed	NVD
oncommand balance	—	no fixed version listed	NVD
oncommand cloud manager	—	no fixed version listed	NVD

Sources

Vendor guidance	lists.apache.org/thread.html/343558d982879bf88ec20dbf707f8c11255f8e219e81d45c4f8d0551%40%3Cdev.tomcat.apache.org%3E	Additional guidance	access.redhat.com/errata/RHSA-2016:1430
oracle.com	oracle.com/security-alerts/cpuapr2016v3.html	NVD	nvd.nist.gov/vuln/detail/CVE-2016-3427
CISA KEV	cisa.gov/known-exploited-vulnerabilities-catalog	ENISA EUVD	euvd.enisa.europa.eu/vulnerability/EUVD-2016-4453
Current data	evulnable.com/vulnerability-management/cve/CVE-2016-3427		

Snapshot at generation time. EPSS can move quickly. A public exploit module is not evidence of active exploitation.