CVE-2016-3427

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

Summary

CVE	CVE-2016-3427
State	PUBLISHED
Assigner	oracle
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-04-21 11:00:21 UTC
Updated	2026-04-22 13:41:41 UTC
Description	Unspecified vulnerability in Oracle Java SE 6u113, 7u99, and 8u77; Java SE Embedded 8u77; and JRockit R28.3.9 allows

Risk And Classification

Primary CVSS: v3.1 9.8 CRITICAL from nvd@nist.gov

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

EPSS: 0.940190000 probability, percentile 0.998970000 (date 2026-04-22)

CISA KEV: Listed on 2023-05-12; due 2023-06-02; ransomware use Unknown

Problem Types: NVD-CWE-noinfo | CWE-284 | n/a | CWE-284 CWE-284 Improper Access Control

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	ADP	DECLARED	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	10		AV:N/AC:L/Au:N/C:C/I:C/A:C

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:N/AC:L/Au:N/C:C/I:C/A:C

CISA Known Exploited Vulnerability

Vendor	Oracle
Product	Java SE and JRockit
Name	Oracle Java SE and JRockit Unspecified Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://www.oracle.com/security-alerts/cpuapr2016v3.html; https://nvd.nist.gov/vuln/detail/CVE-2016-3427

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Cassandra	All	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	15.10	All	All	All

Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Application	Netapp	E-series Santricity Management Plug-ins	-	All	All	All
Application	Netapp	E-series Santricity Storage Manager	-	All	All	All
Application	Netapp	E-series Santricity Web Services	-	All	All	All
Application	Netapp	Oncommand Balance	-	All	All	All
Application	Netapp	Oncommand Cloud Manager	-	All	All	All
Application	Netapp	Oncommand Insight	-	All	All	All
Application	Netapp	Oncommand Performance Manager	-	All	All	All
Application	Netapp	Oncommand Report	-	All	All	All
Application	Netapp	Oncommand Shift	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Netapp	Oncommand Workflow Automation	-	All	All	All
Application	Netapp	Storagegrid	All	All	All	All
Application	Netapp	Vasa Provider For Clustered Data Ontap	All	All	All	All
Application	Netapp	Virtual Storage Console	All	All	All	All
Application	Oracle	Jdk	1.6.0	update113	All	All
Application	Oracle	Jdk	1.7.0	update99	All	All
Application	Oracle	Jdk	1.8.0	update77	All	All
Application	Oracle	Jre	1.6.0	update113	All	All
Application	Oracle	Jre	1.7.0	update99	All	All
Application	Oracle	Jre	1.8.0	update77	All	All
Application	Oracle	Jrockit	r28.3.9	All	All	All
Operating System	Oracle	Linux	5	-	All	All
Operating System	Oracle	Linux	6	-	All	All
Operating System	Oracle	Linux	7	-	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Sou
Red Hat Customer Portal	af85
[security-announce] SUSE-SU-2016:1303-1: important: Security update for	af85

Oracle Java SE Multiple Flaws Let Remote Users Access Data and Gain Elevated Privileges on the Target System - SecurityTracker	af85
Red Hat Customer Portal	af85
[security-announce] SUSE-SU-2016:1248-1: important: Security update for	af85
Pony Mail!	af85
Pony Mail!	af85
[security-announce] SUSE-SU-2016:1300-1: important: Security update for	af85
Red Hat Customer Portal	af85
Red Hat Customer Portal	af85
[security-announce] SUSE-SU-2016:1378-1: important: Security update for	af85
Apache Tomcat JmxRemoteLifecycleListener Bug Lets Remote Users Execute Arbitrary Code on the Target System - SecurityTracker	af85
[security-announce] openSUSE-SU-2016:1235-1: important: Security update	af85
[security-announce] SUSE-SU-2016:1475-1: important: Security update for	af85
USN-2964-1: OpenJDK 7 vulnerabilities | Ubuntu	af85
www.cisa.gov/known-exploited-vulnerabilities-catalog	134c
Red Hat Customer Portal	af85
Pony Mail!	af85
Red Hat Customer Portal	af85
Red Hat Customer Portal	af85
[security-announce] openSUSE-SU-2016:1265-1: important: Security update	af85
April 2016 Java Platform Standard Edition Vulnerabilities in Multiple NetApp Products | NetApp Product Security	af85
USN-2963-1: OpenJDK 8 vulnerabilities | Ubuntu	af85
[security-announce] SUSE-SU-2016:1299-1: important: Security update for	af85
Pony Mail!	af85
Pony Mail!	af85
Pony Mail!	af85
Red Hat Customer Portal	af85
[security-announce] openSUSE-SU-2016:1262-1: important: Security update	af85
oss-security - CVE-2016-3427 Apache Cassandra Unspecified vulnerability related to JMX	af85
Red Hat Customer Portal	af85
[security-announce] SUSE-SU-2016:1388-1: important: Security update for	af85
Pony Mail!	af85
Pony Mail!	af85
Oracle Critical Patch Update Advisory - April 2016	af85
Red Hat Customer Portal	af85
Pony Mail!	af85
[security-announce] SUSE-SU-2016:1379-1: important: Security update for	af85

Debian -- Security Information -- DSA-3558-1 openjdk-7	af85
[security-announce] SUSE-SU-2016:1250-1: important: Security update for	af85
Pony Mail!	af85
Pony Mail!	af85
Red Hat Customer Portal	af85
Pony Mail!	af85
[security-announce] openSUSE-SU-2016:1222-1: important: Security update	af85
IcedTea: Multiple vulnerabilities (GLSA 201606-18) — Gentoo security	af85
Pony Mail!	af85
Oracle Linux Bulletin - April 2016	af85
Red Hat Customer Portal	af85
Red Hat Customer Portal	af85
McAfee Security Bulletin: ePolicy Orchestrator update fixes multiple Oracle Java vulnerabilities	af85
Red Hat Customer Portal	af85
Red Hat Customer Portal	af85
Pony Mail!	af85
[security-announce] SUSE-SU-2016:1458-1: important: Security update for	af85
Oracle Java SE and JRockit CVE-2016-3427 Remote Security Vulnerability	af85
Pony Mail!	af85
[security-announce] openSUSE-SU-2016:1230-1: important: Security update	af85
Pony Mail!	af85
USN-2972-1: OpenJDK 6 vulnerabilities | Ubuntu	af85
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF
Pony Mail!	MITF

Pony Mail!	MITR
Pony Mail!	MITR
Pony Mail!	MITR
CVE Program record	CVE
NVD vulnerability detail	NVD
CISA Known Exploited Vulnerabilities catalog	CISA

No vendor comments have been submitted for this CVE.

Additional Advisory Data

Source	Time	Event
ADP	2023-05-12T00:00:00.000Z	CVE-2016-3427 added to CISA KEV

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