



CVE-2013-4578

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2013-4578
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-12-29 22:29:00 UTC
Updated	2025-04-20 01:37:25 UTC
Description	jarsigner in OpenJDK and Oracle Java SE before 7u51 allows remote attackers to bypass a code-signing protection mecha

Risk And Classification

Primary CVSS: v3.0 5.3 MEDIUM from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:N

Problem Types: CWE-74 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	5.3	MEDIUM	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:N
2.0	nvd@nist.gov	Primary	5		AV:N/AC:L/Au:N/C:N/I:P/A:N

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

Low

Availability

None

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:N

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

Partial

Availability

None

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Oracle	Jdk	1.7.0	update1	All	All
Application	Oracle	Jdk	1.7.0	update10	All	All
Application	Oracle	Jdk	1.7.0	update10_b31	All	All
Application	Oracle	Jdk	1.7.0	update11	All	All
Application	Oracle	Jdk	1.7.0	update11_b32	All	All
Application	Oracle	Jdk	1.7.0	update13	All	All
Application	Oracle	Jdk	1.7.0	update15	All	All
Application	Oracle	Jdk	1.7.0	update17	All	All
Application	Oracle	Jdk	1.7.0	update17_b31	All	All
Application	Oracle	Jdk	1.7.0	update17_b32	All	All
Application	Oracle	Jdk	1.7.0	update2	All	All
Application	Oracle	Jdk	1.7.0	update21	All	All
Application	Oracle	Jdk	1.7.0	update21_b31	All	All
Application	Oracle	Jdk	1.7.0	update25	All	All
Application	Oracle	Jdk	1.7.0	update25_b33	All	All
Application	Oracle	Jdk	1.7.0	update25_b34	All	All
Application	Oracle	Jdk	1.7.0	update25_b35	All	All

Application	Oracle	Jdk	1.7.0	update3	All	All
Application	Oracle	Jdk	1.7.0	update4	All	All
Application	Oracle	Jdk	1.7.0	update40	All	All
Application	Oracle	Jdk	1.7.0	update45	All	All
Application	Oracle	Jdk	1.7.0	update45_b31	All	All
Application	Oracle	Jdk	1.7.0	update45_b32	All	All
Application	Oracle	Jdk	1.7.0	update45_b33	All	All
Application	Oracle	Jdk	1.7.0	update45_b34	All	All
Application	Oracle	Jdk	1.7.0	update5	All	All
Application	Oracle	Jdk	1.7.0	update51	All	All
Application	Oracle	Jdk	1.7.0	update6	All	All
Application	Oracle	Jdk	1.7.0	update7	All	All
Application	Oracle	Jdk	1.7.0	update7_b32	All	All
Application	Oracle	Jdk	1.7.0	update9	All	All
Application	Oracle	Jdk	1.7.0	update9_b31	All	All
Application	Oracle	Jdk	1.7.0	update9_b32	All	All
Application	Oracle	Jdk	All	All	All	All
Application	Oracle	Jre	1.7.0	update1	All	All
Application	Oracle	Jre	1.7.0	update10	All	All
Application	Oracle	Jre	1.7.0	update10_b31	All	All
Application	Oracle	Jre	1.7.0	update11	All	All
Application	Oracle	Jre	1.7.0	update11_b32	All	All
Application	Oracle	Jre	1.7.0	update13	All	All
Application	Oracle	Jre	1.7.0	update15	All	All
Application	Oracle	Jre	1.7.0	update17	All	All
Application	Oracle	Jre	1.7.0	update17_b31	All	All
Application	Oracle	Jre	1.7.0	update17_b32	All	All
Application	Oracle	Jre	1.7.0	update2	All	All
Application	Oracle	Jre	1.7.0	update21	All	All
Application	Oracle	Jre	1.7.0	update21_b31	All	All
Application	Oracle	Jre	1.7.0	update25	All	All
Application	Oracle	Jre	1.7.0	update25_b33	All	All
Application	Oracle	Jre	1.7.0	update25_b34	All	All
Application	Oracle	Jre	1.7.0	update25_b35	All	All
Application	Oracle	Jre	1.7.0	update3	All	All

Application	Oracle	Jre	1.7.0	update4	All	All
Application	Oracle	Jre	1.7.0	update40	All	All
Application	Oracle	Jre	1.7.0	update45	All	All
Application	Oracle	Jre	1.7.0	update45_b31	All	All
Application	Oracle	Jre	1.7.0	update45_b32	All	All
Application	Oracle	Jre	1.7.0	update45_b33	All	All
Application	Oracle	Jre	1.7.0	update45_b34	All	All
Application	Oracle	Jre	1.7.0	update5	All	All
Application	Oracle	Jre	1.7.0	update51	All	All
Application	Oracle	Jre	1.7.0	update6	All	All
Application	Oracle	Jre	1.7.0	update7	All	All
Application	Oracle	Jre	1.7.0	update7_b32	All	All
Application	Oracle	Jre	1.7.0	update9	All	All
Application	Oracle	Jre	1.7.0	update9_b31	All	All
Application	Oracle	Jre	1.7.0	update9_b32	All	All
Application	Oracle	Jre	All	All	All	All

Vendor Declared Affected Products

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

References

Reference	Source
1031471 – (CVE-2013-4578) CVE-2013-4578 OpenJDK: jarsigner does not detect unsigned bytecode injected into signed jars	af854a3a-21
oss-security - CVE-2013-4578 OpenJDK: jarsigner does not detect unsigned bytecode injected into signed jars	af854a3a-21
oss-security - Re: CVE-2013-4578 OpenJDK: jarsigner does not detect unsigned bytecode injected into signed jars	af854a3a-21
jdk7u/jdk7u/jdk: d5f36e1c927e	af854a3a-21
Red Hat Customer Portal	af854a3a-21
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

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

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