



CVE-2016-7099

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

Summary

CVE	CVE-2016-7099
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-10-10 16:59:01 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The tls.checkServerIdentity function in Node.js 0.10.x before 0.10.47, 0.12.x before 0.12.16, 4.x before 4.6.0, and 6.x before 6.6.0, does not properly validate the certificate's subjectAltName field, which allows an attacker to impersonate a server and perform a man-in-the-middle attack.

Risk And Classification

Primary CVSS: v3.0 5.9 MEDIUM from nvd@nist.gov

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

EPSS: 0.007180000 probability, percentile 0.725390000 (date 2026-05-07)

Problem Types: CWE-19 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	5.9	MEDIUM	CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:H/A:N
2.0	nvd@nist.gov	Primary	4.3		AV:N/AC:M/Au:N/C:N/I:P/A:N

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

High

High

Availability

None

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

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

None

Integrity

Partial

Availability

None

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Nodejs	Node.js	0.10.0	All	All	All
Application	Nodejs	Node.js	0.10.1	All	All	All
Application	Nodejs	Node.js	0.10.10	All	All	All
Application	Nodejs	Node.js	0.10.11	All	All	All
Application	Nodejs	Node.js	0.10.12	All	All	All
Application	Nodejs	Node.js	0.10.13	All	All	All
Application	Nodejs	Node.js	0.10.14	All	All	All
Application	Nodejs	Node.js	0.10.15	All	All	All
Application	Nodejs	Node.js	0.10.16	All	All	All
Application	Nodejs	Node.js	0.10.16-isaacs-manual	All	All	All
Application	Nodejs	Node.js	0.10.17	All	All	All
Application	Nodejs	Node.js	0.10.18	All	All	All
Application	Nodejs	Node.js	0.10.19	All	All	All
Application	Nodejs	Node.js	0.10.2	All	All	All
Application	Nodejs	Node.js	0.10.20	All	All	All
Application	Nodejs	Node.js	0.10.21	All	All	All

Application	Nodejs	Node.js	0.10.22	All	All	All
Application	Nodejs	Node.js	0.10.23	All	All	All
Application	Nodejs	Node.js	0.10.24	All	All	All
Application	Nodejs	Node.js	0.10.25	All	All	All
Application	Nodejs	Node.js	0.10.26	All	All	All
Application	Nodejs	Node.js	0.10.27	All	All	All
Application	Nodejs	Node.js	0.10.28	All	All	All
Application	Nodejs	Node.js	0.10.29	All	All	All
Application	Nodejs	Node.js	0.10.3	All	All	All
Application	Nodejs	Node.js	0.10.30	All	All	All
Application	Nodejs	Node.js	0.10.31	All	All	All
Application	Nodejs	Node.js	0.10.32	All	All	All
Application	Nodejs	Node.js	0.10.33	All	All	All
Application	Nodejs	Node.js	0.10.34	All	All	All
Application	Nodejs	Node.js	0.10.35	All	All	All
Application	Nodejs	Node.js	0.10.36	All	All	All
Application	Nodejs	Node.js	0.10.37	All	All	All
Application	Nodejs	Node.js	0.10.38	All	All	All
Application	Nodejs	Node.js	0.10.39	All	All	All
Application	Nodejs	Node.js	0.10.4	All	All	All
Application	Nodejs	Node.js	0.10.40	All	All	All
Application	Nodejs	Node.js	0.10.41	All	All	All
Application	Nodejs	Node.js	0.10.42	All	All	All
Application	Nodejs	Node.js	0.10.43	All	All	All
Application	Nodejs	Node.js	0.10.44	All	All	All
Application	Nodejs	Node.js	0.10.45	All	All	All
Application	Nodejs	Node.js	0.10.46	All	All	All
Application	Nodejs	Node.js	0.10.5	All	All	All
Application	Nodejs	Node.js	0.10.6	All	All	All
Application	Nodejs	Node.js	0.10.7	All	All	All
Application	Nodejs	Node.js	0.10.8	All	All	All
Application	Nodejs	Node.js	0.10.9	All	All	All
Application	Nodejs	Node.js	0.12.0	All	All	All
Application	Nodejs	Node.js	0.12.1	All	All	All
Application	Nodejs	Node.js	0.12.10	All	All	All

Application	Nodejs	Node.js	0.12.11	All	All	All
Application	Nodejs	Node.js	0.12.12	All	All	All
Application	Nodejs	Node.js	0.12.13	All	All	All
Application	Nodejs	Node.js	0.12.14	All	All	All
Application	Nodejs	Node.js	0.12.15	All	All	All
Application	Nodejs	Node.js	0.12.2	All	All	All
Application	Nodejs	Node.js	0.12.3	All	All	All
Application	Nodejs	Node.js	0.12.4	All	All	All
Application	Nodejs	Node.js	0.12.5	All	All	All
Application	Nodejs	Node.js	0.12.6	All	All	All
Application	Nodejs	Node.js	0.12.7	All	All	All
Application	Nodejs	Node.js	0.12.8	All	All	All
Application	Nodejs	Node.js	0.12.9	All	All	All
Application	Nodejs	Node.js	4.0.0	All	All	All
Application	Nodejs	Node.js	4.1.0	All	All	All
Application	Nodejs	Node.js	4.1.1	All	All	All
Application	Nodejs	Node.js	4.1.2	All	All	All
Application	Nodejs	Node.js	4.2.0	All	All	All
Application	Nodejs	Node.js	4.2.1	All	All	All
Application	Nodejs	Node.js	4.2.2	All	All	All
Application	Nodejs	Node.js	4.2.3	All	All	All
Application	Nodejs	Node.js	4.2.4	All	All	All
Application	Nodejs	Node.js	4.2.5	All	All	All
Application	Nodejs	Node.js	4.2.6	All	All	All
Application	Nodejs	Node.js	4.3.0	All	All	All
Application	Nodejs	Node.js	4.3.1	All	All	All
Application	Nodejs	Node.js	4.3.2	All	All	All
Application	Nodejs	Node.js	4.4.0	All	All	All
Application	Nodejs	Node.js	4.4.1	All	All	All
Application	Nodejs	Node.js	4.4.2	All	All	All
Application	Nodejs	Node.js	4.4.3	All	All	All
Application	Nodejs	Node.js	4.4.4	All	All	All
Application	Nodejs	Node.js	4.4.5	All	All	All
Application	Nodejs	Node.js	4.4.6	All	All	All
Application	Nodejs	Node.js	4.4.7	All	All	All
Application	Nodejs	Node.js	4.5.0	All	All	All

Application	Nodejs	Node.js	6.0.0	All	All	All
Application	Nodejs	Node.js	6.1.0	All	All	All
Application	Nodejs	Node.js	6.2.0	All	All	All
Application	Nodejs	Node.js	6.2.1	All	All	All
Application	Nodejs	Node.js	6.2.2	All	All	All
Application	Nodejs	Node.js	6.3.0	All	All	All
Application	Nodejs	Node.js	6.3.1	All	All	All
Application	Nodejs	Node.js	6.4.0	All	All	All
Application	Nodejs	Node.js	6.5.0	All	All	All
Application	Nodejs	Node.js	6.6.0	All	All	All
Operating System	Suse	Linux Enterprise	12.0	All	All	All

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

References		
Reference	Source	Link
lib: make tls.checkServerIdentity() more strict · nodejs/node@743f0c9 · GitHub	af854a3a-2127-422b-91ae-364da2661108	github.com
Security updates for all active release lines, September 2016 Node.js	af854a3a-2127-422b-91ae-364da2661108	nodejs.org
[security-announce] SUSE-SU-2016:2470-1: important: Security update for	af854a3a-2127-422b-91ae-364da2661108	lists.opensuse.
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
Node.js CVE-2016-7099 Security Bypass Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.securityfc
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.
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