



# CVE-2016-4646

- MITRE
- NVD
- CVE.ORG
- JSON API
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## Summary

|                 |                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|
| CVE             | CVE-2016-4646                                                                                                             |
| State           | PUBLISHED                                                                                                                 |
| Assigner        | apple                                                                                                                     |
| Source Priority | CVE Program / NVD first with legacy fallback                                                                              |
| Published       | 2016-07-22 03:00:04 UTC                                                                                                   |
| Updated         | 2026-05-06 22:30:45 UTC                                                                                                   |
| Description     | Audio in Apple OS X before 10.11.6 mishandles a size value, which allows remote attackers to obtain sensitive information |

## Risk And Classification

Primary CVSS: v3.0 6.5 MEDIUM from nvd@nist.gov

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

Problem Types: CWE-200 | n/a

| Version | Source       | Type    | Score | Severity | Vector                                       |
|---------|--------------|---------|-------|----------|----------------------------------------------|
| 3.0     | nvd@nist.gov | Primary | 6.5   | MEDIUM   | CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:N/A:N |
| 2.0     | nvd@nist.gov | Primary | 4.3   |          | AV:N/AC:M/Au:N/C:P/I:N/A:N                   |

## CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

None

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

## CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

None

Availability

None

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

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor | Product  | Version | Update | Edition | Language |
|------------------|--------|----------|---------|--------|---------|----------|
| Operating System | Apple  | Mac Os X | All     | All    | All     | All      |

## Vendor Declared Affected Products

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

## References

### Reference

Zero Day Initiative

Apple Mac OS X APPLE-SA-2016-07-18-1 Multiple Security Vulnerabilities

About the security content of OS X El Capitan v10.11.6 and Security Update 2016-004 - Apple Support

Apple macOS/OS X Multiple Flaws Let Remote and Local Users Deny Service, Obtain Potentially Sensitive Information, and Execute Arbitrary

APPLE-SA-2016-07-18-1 OS X El Capitan v10.11.6 and Security Update 2016-004

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

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

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