



# CVE-2016-3087

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

|                        |                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2016-3087                                                                                                                                                       |
| <b>State</b>           | PUBLISHED                                                                                                                                                           |
| <b>Assigner</b>        | redhat                                                                                                                                                              |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                                                                        |
| <b>Published</b>       | 2016-06-07 18:59:02 UTC                                                                                                                                             |
| <b>Updated</b>         | 2026-05-06 22:30:45 UTC                                                                                                                                             |
| <b>Description</b>     | Apache Struts 2.3.19 to 2.3.20.2, 2.3.21 to 2.3.24.1, and 2.3.25 to 2.3.28, when Dynamic Method Invocation is enabled, allow an attacker to execute arbitrary code. |

## Risk And Classification

**Primary CVSS:** v3.0 9.8 CRITICAL from nvd@nist.gov

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

**Problem Types:** CWE-20 | n/a

| Version | Source       | Type    | Score | Severity | Vector                                       |
|---------|--------------|---------|-------|----------|----------------------------------------------|
| 3.0     | nvd@nist.gov | Primary | 9.8   | CRITICAL | CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H |
| 2.0     | nvd@nist.gov | Primary | 7.5   |          | AV:N/AC:L/Au:N/C:P/I:P/A:P                   |

## CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.0/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

Partial

Integrity

Partial

Availability

Partial

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

NVD Known Affected Configurations (CPE 2.3)

| Type        | Vendor | Product | Version  | Update | Edition | Language |
|-------------|--------|---------|----------|--------|---------|----------|
| Application | Apache | Struts  | 2.3.20   | All    | All     | All      |
| Application | Apache | Struts  | 2.3.20.1 | All    | All     | All      |
| Application | Apache | Struts  | 2.3.24   | All    | All     | All      |
| Application | Apache | Struts  | 2.3.24.1 | All    | All     | All      |
| Application | Apache | Struts  | 2.3.28   | All    | All     | All      |

Vendor Declared Affected Products

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

References

| Reference                                                                                                               | Source       |
|-------------------------------------------------------------------------------------------------------------------------|--------------|
| Apache Struts REST Plugin Lets Remote Users Execute Arbitrary Code on the Target System - SecurityTracker               | af854a3a-212 |
| Apache Struts - REST Plugin With Dynamic Method Invocation Remote Code Execution (Metasploit) - Multiple remote Exploit | af854a3a-212 |
| IBM Security Bulletin: Multiple Vulnerabilities in Struts v2 affect IBM Opportunity Detect - United States              | af854a3a-212 |
| Apache Struts CVE-2016-3087 Remote Code Execution Vulnerability                                                         | af854a3a-212 |
| S2-033                                                                                                                  | af854a3a-212 |
| CVE Program record                                                                                                      | CVE.ORG      |

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

996912 Java (Maven) Security Update for org.apache.struts:struts2-core (GHSA-mmj6-cjj4-hpr5)

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