

# S2-032

## Summary

Remote Code Execution can be performed via `method:` prefix when Dynamic Method Invocation is enabled.

<b>Who should read this</b>	All Struts 2 developers and users
<b>Impact of vulnerability</b>	Possible Remote Code Execution
<b>Maximum security rating</b>	High
<b>Recommendation</b>	Disable Dynamic Method Invocation if possible. Alternatively upgrade to <a href="#">Struts 2.3.20.3</a> , <a href="#">Struts 2.3.24.3</a> or <a href="#">Struts 2.3.28.1</a> .
<b>Affected Software</b>	Struts 2.3.20 - Struts Struts 2.3.28 (except 2.3.20.3 and 2.3.24.3)
<b>Reporter</b>	Nike Zheng nike dot zheng at dbappsecurity dot com dot cn
<b>CVE Identifier</b>	CVE-2016-3081

## Problem

It is possible to pass a malicious expression which can be used to execute arbitrary code on server side when Dynamic Method Invocation is enabled.

## Solution

Disable Dynamic Method Invocation when possible or upgrade to Apache Struts versions 2.3.20.3, 2.3.24.3 or 2.3.28.1.

## Backward compatibility

No issues expected when upgrading to Struts 2.3.20.3, 2.3.24.3 and 2.3.28.1

## Workaround

Disable Dynamic Method Invocation or implement your own version of `ActionMapper` based on a source code of the recommended Apache Struts versions.