

# S2-044

## Summary

Possible DoS attack when using `URLValidator`

<b>Who should read this</b>	All Struts 2 developers and users
<b>Impact of vulnerability</b>	Possible DoS attack when using <code>URLValidator</code>
<b>Maximum security rating</b>	Low
<b>Recommendation</b>	Upgrade to <a href="#">Struts 2.5.13</a>
<b>Affected Software</b>	Struts 2.5 - Struts 2.5.12
<b>Reporter</b>	Jonathan Bullock <jonbullock at gmail dot com>
<b>CVE Identifier</b>	CVE-2016-8738

## Problem

If an application allows enter an URL in a form field and built-in `URLValidator` is used, it is possible to prepare a special URL which will be used to overload server process when performing validation of the URL.

## Solution

Upgrade to Apache Struts version 2.5.13.

## Backward compatibility

No backward incompatibility issues are expected.

## Workaround

Trim passed value before assigning it to a field, e.g.

```
public String setUserUrl(String userUrl) {
    this.userUrl = userUrl.trim();
}
```