





## **Technical Details**

A logged in user can post status updates to their buzz feed. From the front-end application a user will be able to post a text within a single field which says "What's on your mind" to the buzz feed. This happens via a POST request to the URL /symfony/web/index.php/buzz/addNewPost through the createPost[content] request body parameter. While investigating this API, we found that there are extra parameter fields in the body of this API which is not directly exposed through the frontend application.

The following request body parameters found in the API results certain profound effects in the HTML response sent by server:

createPost[linkAddress]

Causes the addition of an <a> anchor tag in response with id linkTitle & with attribute src with the value set for createPost[linkAddress] parameter.

## 2. createPost[linkTitle]

Causes an <a> anchor tag in response with id linkTitle which is click able and displayed with the text content sent in the above request parameter.

Combining the above 2 parameters, it's possible to get an anchor HTML tag with a visible clickable text and a desired URL as src which is clickable.

The URL payload could be javascript as <code>javascript:alert(121)</code> . This can result in execution of arbitrary malicious javascript code on the client side if the victim clicks on this link.

The impact of this can be severe since this particular code gets stored in the database and gets delivered to the feed of every logged-in user in orangeHRM. Every user will have this delivered through their 'Buzz' feed.

In terms of impact, this vulnerability enables an attacker to stealing CSRF token and perform arbitrary actions on the website on behalf of the victim user.

| Assignees<br>No one assigned              |  |
|---|--|
| Labels<br>None yet                        |  |
| Projects<br>None yet                      |  |
| Milestone<br>No milestone                 |  |
| Development  No branches or pull requests |  |

## 4 participants

