

# Authenticated persistent XSS in Liferay DXP CMS (CVE-2022-38901 and CVE-2022-38902)

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During a web application penetration test for one of our clients we identified two persistent Cross Site Scripting (XSS) vulnerabilities in the Liferay DXP content management system.

**The first XSS security issue** concerns the *file upload functionality* of the *Document and Media module*. Liferay is a content-management system which includes the feature to upload files that can later be used in the website. A user with privileges to upload files was able to put malicious JavaScript payload in the "Description" field of the SVG file being uploaded. As a result, any logged-in user who views the uploaded file and the description of the SVG file triggers the malicious JavaScript payload.

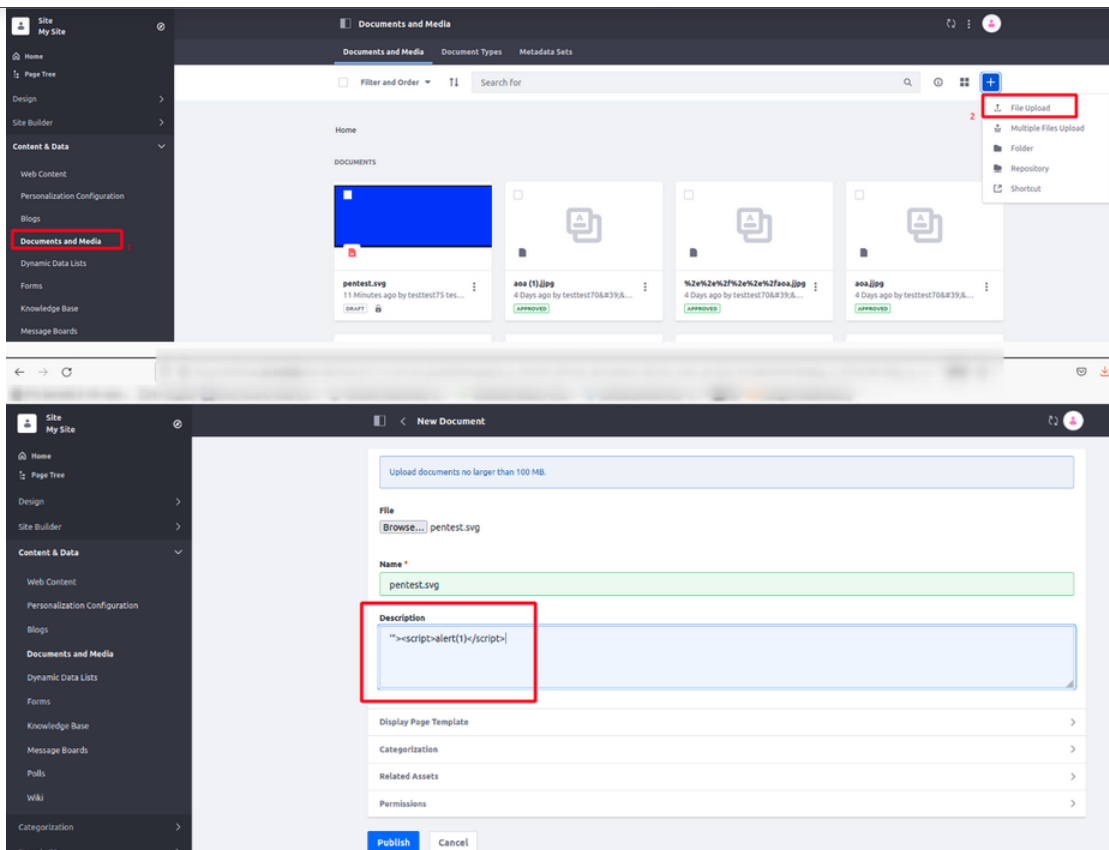
Affected products and versions: Liferay Portal 7.3.5 through 7.4.3.28, and Liferay DXP 7.3 before update 6, and 7.4 before update 29

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In the second case, a persistent XSS vulnerability allows authenticated remote attackers to inject arbitrary JS script payload into the *Name* text field of a category. This affected the application on a larger scale than the first mentioned vulnerability because the issue affected any asset that supports categories.

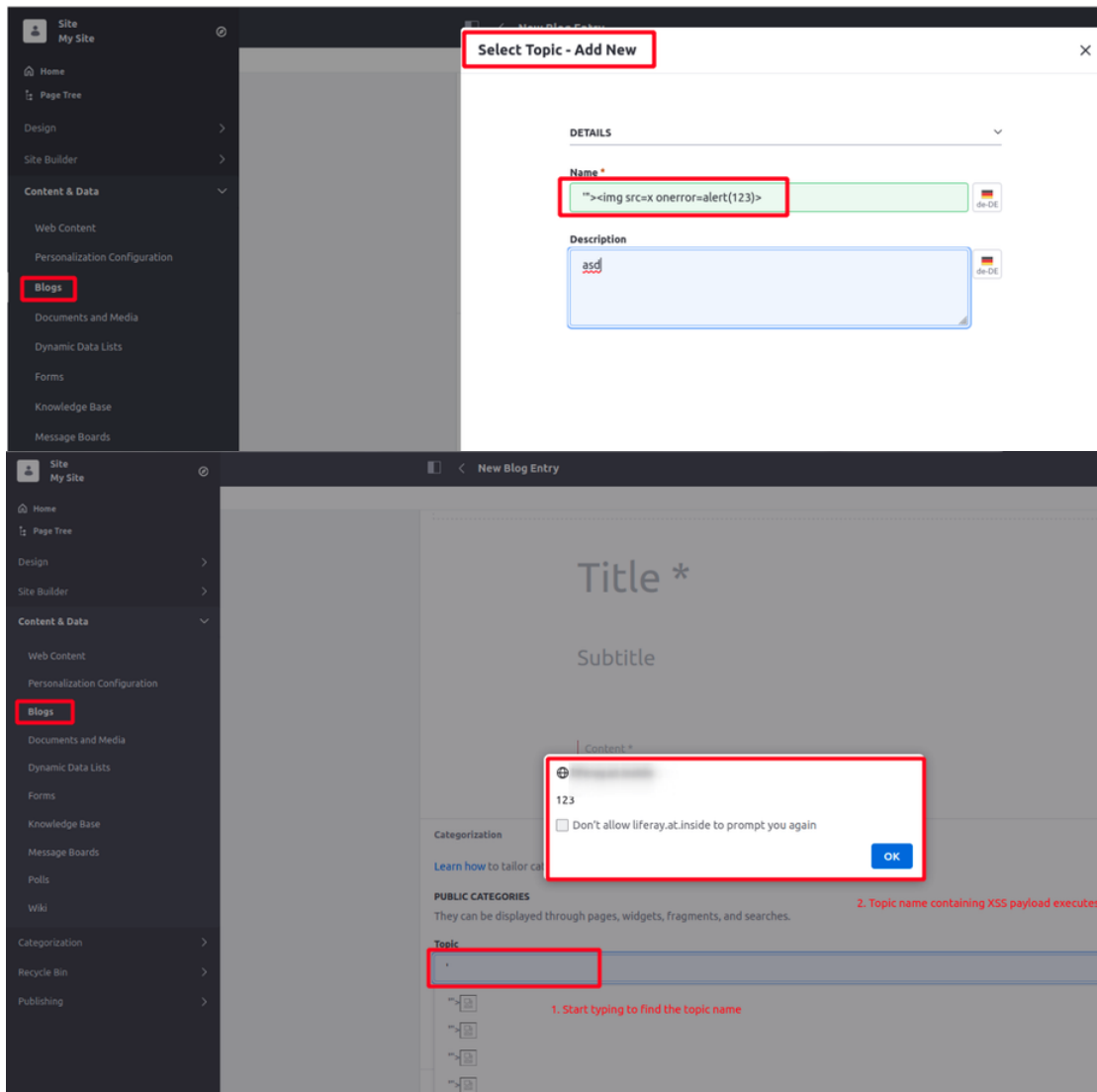
The vulnerable input field could be reached for example in the *Content & Data > Blogs module > new blog entry > categorization section*. Using this functionality it is possible to select the “topic” of the blog post. New topics can be created by giving a name and a description. It has been discovered that the *name* field was vulnerable to cross-site-scripting. As mentioned above, the result of the attack is execution of the JavaScript every time the user browses categories in order to assign one to the specified asset.

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In both cases, a successful attack could lead to the execution of arbitrary actions by the victim user, potentially leading to privilege escalation.

Both issues were reported to the vendor Liferay as a responsible disclosure, they were assigned with the two following CVE numbers:

- [CVE-2022-38901](#)
- [CVE-2022-38902](#)

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