Cross-site Scripting (XSS) - Stored in pimcore/pimcore

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Valid Reported on Mar 8th 2022

Description

pimcore datahub is vulnerable to Stored XSS in multiple places including:
(1) the Pricing Rule of Online Shop in EcommerceFrameworkBundle. Whenever an admin user access Pricing Rule, a stored XSS will be triggered.
(2) Image Thumbnails in Settings. Whenever an admin user access Image Thumbnails, a stored XSS will be triggered.
(3) Video Thumbnails in Settings. Whenever an admin user access Video Thumbnails, a stored XSS will be triggered.

Proof of Concept for 1

Step 1: Go to https://demo.pimcore.fun/admin/ and login.
Step 2: Click File > Perspective > Commerce on the left
Step 3: Click Online Shop > Pricing Rule on the left
Step 4: Click Add to add pricing rule
Step 5: Input aaa so as to capture legitimate POST request in Burp Suite
Step 6: Modify value of the name parameter in the body of POST request as below, which is URL encoded
"><img+src%3dx+onerror%3dalert(document.domain)>
Step 7: Forward the request
You will see the an alert box prompt whenever you access Pricing Rule

Proof of Concept for 2 & 3

Step 1: Go to https://10.x-dev.pimcore.fun/admin/ and login.
Step 2: Click Settings > Thumbnails > Image / Video Thumbnails > Add
Step 3: Input aaa so as to capture legitimate POST request in Burp Suite
Step 4: Modify value of the name parameter in the body of POST request as below, which is URL encoded
"><img+src%3dx+onerror%3dalert(document.domain)>
Step 5: Forward the request

You will see the an alert box prompt whenever you access Image Thumbnail / Video Thumbnail

Impact

This vulnerability is capable for letting attacker potentially steal a user's cookie and gain unauthorized access to that user's account through the stolen cookie.

Occurrences

SettingsController.php L1-L1828

There is no any input sanitzation from client (e.g. html characters escape)

PricingController.php L1-L431

There is no any input sanitzation from client (e.g. html characters escape)

CVE
CVE-2022-0893
(Published)

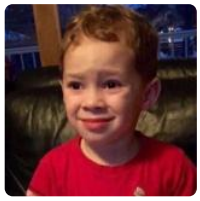
Vulnerability Type
CWE-79: Cross-site Scripting (XSS) - Stored

Severity
Medium (6.8)

Visibility
Public

Status
Fixed

Found by



James Yeung
@scriptidiot
unranked

Fixed by

Divesh Pahuja

@dvesh3

maintainer

This report was seen 487 times.

We are processing your report and will contact the **pimcore** team within 24 hours. 9 months ago

James Yeung modified the report 9 months ago

James Yeung modified the report 9 months ago

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Divesh Pahuja validated this vulnerability 9 months ago

James Yeung has been awarded the disclosure bounty ✔

The fix bounty is now up for grabs

We have sent a fix follow up to the **pimcore** team. We will try again in 7 days. 8 months ago

Divesh Pahuja marked this as fixed in **10.4.0** with commit **6e0922** 8 months ago

Divesh Pahuja has been awarded the fix bounty ✔

This vulnerability will not receive a CVE ✘

SettingsController.php#L1-L1828 has been validated ✔

PricingController.php#L1-L431 has been validated ✔

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