

January 05, 2020



Cross-Site Scripting vulnerability in app4.cloud.appspace.com cloud software

What is it? - Cross-site scripting (XSS) is a type of computer security vulnerability typically found in web applications. XSS enables attackers to inject client-side scripts into web pages viewed by other users. A cross-site scripting vulnerability may be used by attackers to bypass access controls such as the same-origin policy.

Which URL is affected? -<https://app4.cloud.appspace.com/console/#!/ext/library>

The severity of this issue?

- An attacker can redirect a user to a malicious website or can steal session token(no 'http only' flag was set @).

In this application, an attacker can create a temporary page 'webpage.html' and using this link he can spread malicious JavaScript code. The victim will observe the domain name-app4.cloud.appspace.com, which is a genuine site and clicks the malicious link.

This link can be used to spread malicious javascript or can be used for Phishing.

Did I notify Appspace security team about this vulnerability?

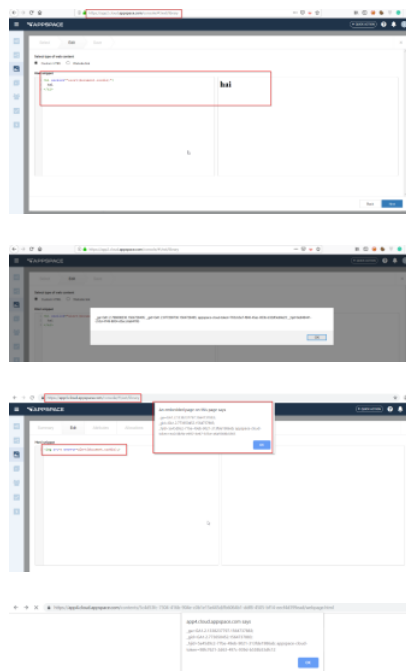
Yes, I Informed Appspace tech support team about this vulnerability and they said this is a known issue and will be fixed soon, they asked me to share a PoC to security@appspace.com.

However, no response from the security team until now. a couple of days back when I tried reproducing this issue, I found that the issue was addressed in the latest build and this vulnerability is fixed now!

Suggested mitigation:

As they need to allow the special character to create the templates and this is a business requirement, I suggested them to encode the special characters before rendering on the browser like how Angular js does, but if that input is used by some other third-party apps then it will be a problem.

Following screenshots are self-explanatory and no need any explanation. Do comment if you have any questions.



Banu Ravi 6 March 2020 at 02:29

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