CVE-2023-29201

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CVE-2023-29201 - advisory for GHSA-m3jr-cvhj-f35j

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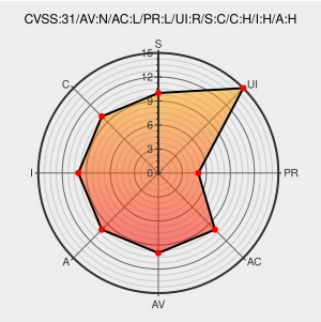

Certain versions of Xwiki from Xwiki contain the following vulnerability:

XWiki Commons are technical libraries common to several other top level XWiki projects. The "restricted" mode of the HTML cleaner in XWiki, introduced in version 4.2-milestone-1, only escaped `<script>` and `<style>`-tags but neither attributes that can be used to inject scripts nor other dangerous HTML tags like `<iframe>`. As a consequence, any code relying on this "restricted" mode for security is vulnerable to JavaScript injection ("cross-site scripting"/XSS). When a privileged user with programming rights visits such a comment in XWiki, the malicious JavaScript code is executed in the context of the user session. This allows server-side code execution with programming rights, impacting the confidentiality, integrity and availability of the XWiki instance. This problem has been patched in XWiki 14.6 RC1 with the introduction of a filter with allowed HTML elements and attributes that is enabled in restricted mode. There are no known workarounds apart from upgrading to a version including the fix.

CVE-2023-29201 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **xwiki** - **xwiki-commons** version **= >= 4.2-milestone-1, < 14.6-rc-1**

CVSS3 Score: 9 - CRITICAL

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	LOW	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
CHANGED	HIGH	HIGH	HIGH

CVE References

Description	Tags	Link

XCOMMONS-2426: Provide a component for filtering safe HTML elements a… · xwiki/xwiki-commons@4a185e0 · GitHub	github.com text/html	MISC github.com/xwiki/xwiki-commons/commit/4a185e0594d90cd4916d60aa60bb4333dc5623b2
Loading...	jira.xwiki.org text/html	MISC jira.xwiki.org/browse/XWIKI-9118
[XCOMMONS-1680] Filter Html attributes in restricted mode based on a whitelist - XWiki.org JIRA	jira.xwiki.org text/html	MISC jira.xwiki.org/browse/XCOMMONS-1680
Loading...	jira.xwiki.org text/html	MISC jira.xwiki.org/browse/XCOMMONS-2426
Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting') in org.xwiki.commons:xwiki-commons-xml · Advisory · xwiki/xwiki-commons · GitHub	github.com text/html	MISC github.com/xwiki/xwiki-commons/security/advisories/GHSA-m3jr-cvhj-f35j
XCOMMONS-1680: Filter Html attributes in restricted mode based on a w… · xwiki/xwiki-commons@b11eae9 · GitHub	github.com text/html	MISC github.com/xwiki/xwiki-commons/commit/b11eae9d82cb53f32962056b5faa73f3720c6182

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Xwiki	Xwiki	All	All	All	All

cpe:2.3:a:xwiki:xwiki:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)

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