

TEST REPORT

UMBRACO CMS SECURITY TESTING

19.7.2024

Testing fundamentals

The purpose of this Security Testing intensive was to test Umbraco CMS in a security manner. The testing is focused on web applications and the base is in the Open Worldwide Application Security Project (OWASP) top 10 listing of security threats in web applications.

Executive summary

A total of 9 software security findings were discovered during the testing intensive. 1 of them was considered as high severity, 3 as medium severity, and 5 as low severity. No critical issues were observed.

Overall, although high and medium severity issues were found, Umbraco CMS is in a good shape from a security point of view. When considering the rich amount of sections and features in the application, there are a lot of security controls implemented.

Security testing in the future

When the results are internally reviewed by Umbraco, a follow-up meeting will be arranged with a two-step agenda:

- How to get the most out of the testing results and
- how to continue with application security.

Reporter

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VERIFICATION TEST REPORT

UMBRACO CMS SECURITY TESTING

10.12.2024

Test report

The scope of this test round was to verify fixes in Umbraco CMS for findings from Security Testing intensive from July 2024. There were 9 findings made during that intensive and all of them were re-tested or reviewed. The scope of the initial testing and this verification round was in Website, Backoffice, Cloud platform, Management API, Content Delivery API and Media Delivery API. The base of the testing was in Open Worldwide Application Security Project (OWASP) top 10 listing of security threats in web applications.

All nine issues were re-tested or reviewed, and 5 issues were OK, 3 issues were not fixed because of design decisions, and one issue is still yet to be fixed.

The issues that were not fixed because of design decisions were discussed in detail and the impact of the issues were reviewed. One issue was a false positive, and the functionalities were intended. Two issues related to logout features, and it was discussed that for the scope and context of the application, these features do not require security enhancements, and current implementation is OK.

Overall, Umbraco takes security issues and security improvements very seriously, and reported issues were fixed in a timely manner. The issues that were not fixed because of design decisions were discussed in detail and reasonings behind the decisions were rational. Umbraco CMS is in a very good shape in a security manner. In future, security testing should be executed when new features are implemented or there are other major changes in the application. Regular security testing evaluates and maintains the security of the application.

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