

TEST REPORT

UMBRACO CMS

SECURITY TESTING

17.1.2025

Testing fundamentals

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

Executive summary

A total of 15 software security findings were found during the intensive. 4 of them are considered as high severity, 8 medium severity and 3 low severity. There were no critical issues discovered. The findings divided to different applications as following:

| Application | Critical | High | Medium | Low | Total |
|--------------|----------|------|--------|-----|-------|
| Cloud Portal | - | 2 | 6 | 3 | 11 |
| Forms | - | 1 | 1 | - | 2 |
| UmbracoCMS | - | 1 | 1 | - | 2 |

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

Pasi Keski-Korsu

Pasi Keski-Korsu
TestGuru / Prove's Testing lab

www.prove.fi



VERIFICATION TEST REPORT

UMBRACO SECURITY TESTING

10.7.2025

Test report

The purpose of this test round was to verify the successful reproduction of fixes in Umbraco version 15, addressing the findings identified during the Security Testing conducted in January 2025. A total of 15 security issues were reported during that assessment.

All identified issues have since been remediated by Umbraco and independently verified by Prove. This verification effort was grounded in the security principles outlined in the OWASP Top 10 — a widely recognized framework for identifying and mitigating the most critical security risks in web applications.

| Umbraco Cloud | Number of issues | Addressed by Umbraco | Verified by Prove |
|---------------|------------------|----------------------|-------------------|
| High | 2 | Yes | Yes |
| Medium | 6 | Yes | Yes |
| Low | 3 | Yes | Yes |

| Umbraco CMS | Number of issues | Addressed by Umbraco | Verified by Prove |
|-------------|------------------|----------------------|-------------------|
| High | 1 | Yes | Yes |
| Medium | 1 | Yes | Yes |

| Umbraco Forms | Number of issues | Addressed by Umbraco | Verified by Prove |
|---------------|------------------|----------------------|-------------------|
| High | 1 | Yes | Yes |
| Medium | 1 | Yes | Yes |

Overall, Umbraco takes security issues and security improvements seriously and their web service is in a 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.

Reporter

Ville Uusitalo

Ville Uusitalo
TestGuru / Prove's Testing Lab

www.prove.fi

