



Magnolia International Ltd.

Magnolia PaaS 2025

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Executive Summary

In April 2025, Compass Security Schweiz AG (Compass) conducted a penetration test of Magnolia's Platform-as-a-Service solution. In June/July 2025 a reassessment was conducted of previously identified weaknesses. This document is intended to provide a high-level summary of the assessment results. Further details have been reported to Magnolia in a separate document.

Scope

The targets in scope are listed in the following table:

Target	Date	Effort
External Infrastructure	14.04.2025 – 17.04.2025	0.5 PD
User and Admin Cockpit	14.04.2025 – 17.04.2025	5 PD
Keycloak Integration	14.04.2025 – 17.04.2025	0.75 PD
Recheck of previously identified weaknesses	30.06.2025 – 01.07.2025	1.5 PD

The statements made in this document are only applicable to the exact dates listed above.

Procedures

The external penetration test was conducted from the perspective of an anonymous user. The primary objective was to identify vulnerabilities that could lead to unauthorized access, data exposure, or compromise of systems and services.

The web applications were tested from the perspective of an anonymous user as well as with multiple user accounts with varying permission levels. The testing focused on identifying issues such as misconfigurations, injection vulnerabilities, and weaknesses in user authentication and authorization, as well as other security risks.

Both manual and automated testing methods were employed.

Weakness Rating

Compass groups the findings into four categories: low, medium, high and critical. The ratings are based on their intrinsic technical properties and are not a risk score. Other factors such as a threat actor's motivation or financial loss incurred by a successful exploitation of a vulnerability have not necessarily been considered.

Results

The initial assessment in April 2025 revealed two high-rated weaknesses, which were addressed and resolved, as confirmed by the reassessment in June/July. Several low-rated findings were also remediated. As a result, the system now demonstrates a strong security posture, is well protected against common attacks, and has no findings requiring short or midterm action.

About

Compass Security Schweiz AG is a Swiss IT security company specializing in providing tailored high-quality attack simulations, security assessments and forensic investigations to customers. Founded in 1999, Compass has over 25 years of experience working on national and international projects with Fortune 500 companies, small and medium-sized companies, as well as with start-ups operating in the financial, medical, industrial, and pharmaceutical industries. The diverse training and specializations of our security analysts, as well as close cooperation with leading Swiss universities, ensure that our analysts are always informed about the latest developments in the security industry.