

AWS MT Penetration Test Report - March 2025

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Targets

<https://dbc-7ecb2a0b-9b09.cloud.databricks.com/>

Test period		Status
Mar 10, 2025	Mar 24, 2025	Final






Executive Summary

Cobalt conducted a pentest of the Databricks' AWS MT application and API to assess its risk posture and identify security issues that could negatively affect Databricks's data, systems, or reputation. The scope of the assessment covered AWS MT and included credentials for various levels of privilege within the scope. A Cobalt pentest team of 3 conducted this engagement between Mar 10, 2025 and Mar 24, 2025.

The web application pentest was a manual assessment of the security of the application's functionality, business logic, and vulnerabilities, such as those cataloged in the [Open Web Application Security Project \(OWASP\) Top 10](#). The assessment also included a review of security controls and requirements listed in the [OWASP Application Security Verification Standard (ASVS)] (<https://owasp.org/www-project-application-security-verification-standard/>).

The pentesters leveraged tools to facilitate their work. However, the majority of the assessment involved manual analysis.

During this engagement, Cobalt's testers reported their findings and rated them based on the following severities:

	 CRITICAL	 HIGH	 MEDIUM	 LOW	 INFO
Open	0	0	0	6	3
Resolved	0	0	0	0	0
Total	0	0	0	6	3

Approach

The engagement was done according to industry best practices. The following outlines the process from start to finish.

Pre Engagement

- Scoping
- Customer documentation
- Access

Engagement

- Reconnaissance
- Tool assisted assessment
- Manual assessment
- Vulnerability identification and/or exploitation
- Risk analysis
- Reporting

Post Engagement

- Prioritized remediation
- Recommendations
- Retesting (if applicable)

Risk Factors

Each finding is assigned two factors to measure its risk. Factors are measured on a scale of 1 (very low) through 5 (very high).

Impact

This indicates the finding's effect on technical and business operations. It covers aspects such as the confidentiality, integrity, and availability of data or systems; and financial or reputational loss.

Likelihood

This indicates the finding's potential for exploitation. It takes into account aspects such as skill level required of an attacker and relative ease of exploitation.

Severity Definitions

When our pentesters find vulnerabilities, they use the standard [OWASP Risk Rating Methodology](#), and then classify them into one of the following risk levels, based on their business impact and likelihood: $\text{risk} = \text{impact} * \text{likelihood}$

● CRITICAL

Includes vulnerabilities that require immediate attention. Risk score of 25.

● HIGH

Impacts the security of your application/platform/hardware, including supported systems. Includes high probability vulnerabilities with a high business impact. Risk score range: 16 through 24.

● MEDIUM

Includes vulnerabilities that are: medium risk, medium impact; low risk, high impact; high risk, low impact. Risk score range: 5 through 15.

● LOW

Specifies common vulnerabilities with minimal impact. Risk score range: 2 through 4.

● INFORMATIONAL

Notes vulnerabilities of minimal risk to your business. Risk score of 1.

Terms

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