

25/11/2020

Dovetail Research Pty. Ltd
Surry Hills, NSW, 2010

Re: Dovetail Web Application Penetration Test

At the request of Dovetail, CyberCX conducted an independent security assessment on the Dovetail web application. This assessment occurred between the 4th and the 11th of November 2020. The purpose of the testing was to identify security vulnerabilities within the target of the review and to provide technical details and remediation advice to address these.

The testing included external web application penetration testing and was completed using a combination of automated tools and manual testing techniques. During the assessment CyberCX experienced professionals followed industry recognised best practice methodologies, such as the Open Web Application Security Project (OWASP) guides (which goes beyond the OWASP Top 10 and includes 109 tests) and CWE/SANS Top 25 Most Dangerous Software Errors, in combination with other in-house developed processes and methodologies.

Application testing included verifying and checking of vulnerabilities including; Authentication and Authorisation, Parameter tampering, HTTPS examination, Application mapping, Directory manipulation, Session management, Cookie handling, Cross site scripting, SQL/XML/LDAP Injection and Error handling.

At the conclusion of the review, all identified vulnerabilities were documented along with recommendations on remediation activities that should be completed to improve the overall security posture of the target of the assessment.

Comparing the target of the review to others that CyberCX has reviewed in the past, based on the age, size and complexity of the application, the overall appraisal of the application was better than most often seen. Although there were vulnerabilities discovered, as is usual for this type of review, most of these were very low risk, and were found in a limited area of the application. This results in a larger than normal proportion of the application as having no security issues and, in fact, performing some security functions better than is usually found.

After receiving and reviewing the report, Dovetail has prioritised remediation actions to address the reported vulnerabilities. Some of these actions are already underway, and CyberCX has been retained to repeat the necessary tests to ensure any fixes put in place are appropriate to address the relevant issue.

Sincerely,

Daniel Moore

Security Consultant

CyberCX Pty Ltd