



wizlynx group's Penetration Testing Services Cloudbric Web Application Firewall

Foreword

wizlynx group was requested to assess the security posture of Cloudbric's Web Application Firewall (WAF) by performing a web application penetration test that uses automated and manual IT security testing methodologies. wizlynx group conducted the security analysis, starting Friday, July 10, 2020 through Monday, July 13, 2020, via the Internet.

Scope

In order to assess Cloudbric WAF's effectiveness to detect and block web-borne threats, the security assessment performed by wizlynx group's experts has been composed of a Web Application Penetration Test and a WAF Benchmark.

The penetration test was conducted online using a Greybox approach on "Giant National Bank's" web application, protected by Cloudbric's Web Application Firewall. This application is a mock program developed by wizlynx group to be used for testing and contains known vulnerabilities. The objective of this assessment is to verify the functionalities of the WAF against the OWASP top 10.

The WAF Benchmark consisted of sending a variety of known malicious payloads, such as SQL Injections or Cross-Site Scripting payloads, through the WAF in order to define a block rate.

Result

The WAF benchmark, through four major attacks, revealed that all 1,738 payloads were blocked by the Cloudbric WAF.

The Web Application Penetration Test of our vulnerable mock application, secured by Cloudbric WAF, allows us to confirm that the WAF is virtually patching against most OWASP Top 10 threats, at the time of the test. The only vulnerabilities left unpatched are vulnerabilities that, for their nature, can be hardly detected by a WAF, such as flaws affecting the authentication and authorisation mechanism.

Vulnerability Type	Blocked Payloads	Block Rate
SQL Injection	599 / 599	100 %
Cross-Site Scripting (XSS)	600 / 600	100 %
Path Traversal	20 / 20	100 %
OS Command Injection	519 / 519	100 %

For more details, please refer to the full report by wizlynx group

ABOUT WIZLYNX GROUP

wizlynx group is an ethical, trustworthy, and vendor agnostic Swiss Cyber Security provider, who you can rely on to effectively guard your business and trade secrets.

We live and breathe Cyber Security! For this reason, we have designed a service portfolio that covers the entire risk management lifecycle to ensure our customer benefits the most from our passion and experience, but primarily to maximize their protection.

wizlynx group is one of the few globally accredited CREST Penetration Testing service providers, employing CREST registered Penetration Testers. This highly recognized certification is proof to our customers that wizlynx maintains the highest quality of technical capabilities, policies, processes and procedures.