

Insomnia Security Group Ltd.
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20 August 2021

Re: Application Security Review

At the request of Wellnomics, Insomnia Security performed security testing against the Wellnomics external facing application portals between the 17th and the 25th of June 2021. The purpose of the testing was to identify security vulnerabilities within the applications and their underlying infrastructure and to provide recommendations and solutions.

Testing comprised web application and network penetration testing, utilising user accounts provided for testing. Insomnia Security used a combination of automated tools and manual testing techniques to complete this testing. Testing performed used the OWASP standards as a base minimum, and covered testing for web application security bug classes. 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.

The review subsequently identified several security vulnerabilities within the scope of the review; however none of these weaknesses would allow an adversary to obtain unauthorised access to the applications or the data they contained.

Comparing the application to others that Insomnia Security has reviewed in the past, and the type of vulnerabilities identified, the overall appraisal was similar to that commonly seen. Although there were vulnerabilities discovered, these were deemed to align more with policy and configuration issues, rather than the result of insecure application development standards.

After receiving and reviewing the report internally, Wellnomics prioritised remediation actions to address the necessary reported vulnerabilities. Insomnia Security completed further review work to repeat the necessary tests to confirm that any fixes put in place had correctly resolved the relevant issues.

At the completion of the review, it was concluded that the portions of the system that are externally facing are considered to be sufficiently secure to meet the business requirements for security.

Signed by a duly authorised delegate of Insomnia Security Group Ltd.

Signature: Brett Moore

Brett Moore

Managing Director