



Company Name: OpenBack

Project Name: Continuous Integration & Battery Usage Investigation

Funding: EI Innovation Voucher

OpenBack is a library for iOS and Android mobile devices that can be incorporated into a mobile application to change the way notifications are delivered from the application to the device. Running behind this there is a dashboard that controls the triggers for the notifications.



PROBLEM TO BE SOLVED

In this voucher we completed a Contentious Integration Server for their Android and iOS libraries as well as their Campaign Manager which is a .NET cloud website. This would reduce deployment time for OpenBack in terms of releasing new features. It also reduces the risk of bugs being released with the inclusion of automated testing on all code commits. Also investigated was the effect of the library included in an application on the device battery. It was tested against a rival notification deliver service as well as against a device running no notification service. The data was recorded and a report was produced so that OpenBack can show potential customers and developers who are interested in using the service that its performance is on a par with existing technologies.



HOW GATEWAY DELIVERED SOLUTION FOR INDUSTRY

Implementing this continuous integration setup for OpenBack will allow for this approach to mobile app notifications challenge the existing methods of delivery in the future.



IMPACT FOR THE COMPANY

The work produced by this innovation voucher will be a great benefit for the day to day development process of OpenBack. It will help them improve software quality and it will also be a major time and effort saving going forward.