A Prototype Framework for High Performance Push Notifications

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 166

Number 10

Year of Publication: 2017

Authors:
Emre Isikligil, Semih Samakay, Deniz Kılınç

10.5120/ijca2017914122

Abstract

Push notifications are the significant tools to increase engagement with your app and improve user retention rates. Push notifications notify users with new information about an application, so they provide valuable and relevant updates even when the application is not running. This paper describes a software prototype framework, which is designed to send millions of push notifications using GCM and APNS cloud services. 13 separate test scenarios designed to measure its performance are run, upon which final results are discussed and conclusions are drawn.

References


**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Push notification, performance, system design, messaging, producer/consumer.