

Application of Google Cloud Messaging technology for mobile devices using the Android platform

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Abstract: In the context of the strong development of information technology and the demand for instant notification transmission between applications on mobile devices, this topic focuses on applying Google Cloud Messaging (GCM) technology to mobile applications using the Android platform. The objective of the research is to build an effective notification system to improve user experience and optimize energy. The approach includes analyzing GCM theory, implementing code on the Android environment, and conducting practical experiments. This topic brings significant value to the field of mobile information technology by identifying and addressing challenges in the notification transmission process.

Keywords: Google Cloud Messaging, mobile application, Android, notification system