

5. CONCLUSION

This paper studies the structure, message format, and characteristics of the MQTT protocol. And use this protocol to implement a message push system on the android platform, using unified character encoding method solve the text compatibility problem of different platforms, And test the application's using effect, the result satisfies the message push demand. Select the efficient and low resource occupancy rate message transmission protocol MQTT, and using publish / subscribe mechanism, it can automatically send the message to the corresponding mobile terminal in time and effectively. Not only satisfy the mobile terminal limited resources characteristics, but also avoid the cause effect of pressure on the performance of the server, greatly save manpower deployment cost and network resources, it is a light weight, simple and efficient message push system. MQTT as a light-weight message publish/subscribe protocol, its development prospect is very considerable on mobile phone, the application about Android push also has the very big development space, especially, characteristics of low bandwidth of this protocol are very popular in the place of limited bandwidth. But the security of the application is not considered in this paper, the next step of this paper will focus on the study of security aspects .

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