Computation Offloading: Overview, Frameworks and Challenges

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Abstract

In spite of major advances in a mobile cloud computing, applications are still very limited due to poor computation processing power, memory and limited battery life of a mobile device. Recently, offloading computation intensive task to the cloud has become a great solution to improve both battery life and performance of mobile devices. Offloading makes use of quality of services concept to remove mobile application limitations. This paper covers overview, frameworks and challenges of computation offloading.

References

3. Z. Li, C. Wang, and R. Xu, “Computation offloading to save energy on handheld devices:


Index Terms

Computer Science Distributed Systems

Keywords

Computation offloading; mobile cloud computing; mobile devices;