Abstract

The intersection of mobile applications and computing with the promising concept of cloud computing resulted in the birth of Mobile Cloud Computing (MCC). MCC has emerged as a remarkable milestone for global mobile services. Enriching its efficiency and productivity to many dimensions, MCC serves a unique blend of mobile computing and cloud computing seamlessly integrated and tries to overcome issues related to environment (e.g.,
A Study of Mobile Cloud Computing: Architecture, Applications, and Challenges

heterogeneity, availability), security (e.g., reliability and privacy) and performance issues (e.g., bandwidth, storage capacity, battery life). This paper provides an introduction of MCC discussing its architecture and advantages; it then takes a look at various existing application models to MCC. The issues, challenges are discussed. In addition, Future research directions of MCC are also studied.

References

- URL: http://www.mobilecloudcomputingforum.com/.
- Mailagic A, Ettus M. System design and power optimisation for mobile computers, In
A Study of Mobile Cloud Computing: Architecture, Applications, and Challenges

- URL: https://www. google. co. in/drive.
- URL: https://www. icloud. com/
- URL: https://support. apple. com/en-in/HT204681
- URL: https://support. apple. com/en-in/HT204085
- URL: https://instagram. com/
- URL: http://www. flickr. com/.
- An Approach to Ad hoc Cloud Computing by Graham Kirby, Alan Dearle, Angus Macdonald et. al School of Computer Science University of St Andrews, St Andrews, Fife, Scotland KY16 9SX.
- URL: http://hadoop. apache. org
- URL: http://mobilecloudfamily.com/saeid
- URL: http://www.cse.tkk.fi/Opinnot/T-110.5121/2012/luennotfiles/T110.5121%20Mobile%20Offloading%202012%20MK.pdf

Index Terms

Computer Science Distributed Systems
Keywords

Cloud Computing  Mobile Cloud  Mobile Services And Applications.