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/.

  - B. -G. Chun and P. Maniatis, &quot;Augmented smartphone applications through clone cloud execution,&quot; in Proc. 12th Conference on Hot Topics in Operating Systems (HotOS'09), 2009, p. 8.
  - 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/.
- &quot;An Approach to Ad hoc Cloud Computing&quot; 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
A Study of Mobile Cloud Computing: Architecture, Applications, and Challenges

- URL: http://mobilecloudfamily.com/saeid

Index Terms

Computer Science
Distributed Systems
Keywords
Cloud Computing  Mobile Cloud  Mobile Services And Applications.