Abstract

Cloud computing systems have emerged as a type of distributed systems in which a multitude of interconnected machines are gathered and recruited over the internet to help solve a computation or data-intensive problem. There are large numbers of cases in which Cloud techniques solely are not able to solve the job due to the nature of the tasks. To overcome this problem recently a strong inclination has emerged towards enlisting the human intelligence and wisdom of crowds a. k. a. Crowdsourcing in combination with the machine automated techniques. In this paper the authors propose a model for integrating crowds of people in the Cloud environments to enrich Cloud computing environments to be able to provide hybrid human-machine services enabling it to solve a wider variety of problems which some of them are studied here. The authors nickname these rich types of services, Crowd-enhanced Cloud services. At the end, the modality and challenges of this convergence and its future trends are explored.
- Daniel Gmach, Jerry Rolia, Ludmila Cherkasova, and Alfons Kemper. Capacity
- Murat Demirbas, Murat Ali Bayir, Cuneyt Gurcan Akcora, Yavuz Selim Yilmaz, and Hakan Ferhatosmanoglu. Crowd-sourced sensing and collaboration using twitter. In World of Wireless Mobile and Multimedia Networks (WoWMoM), 2010
Crowd-Enhanced Cloud Services: Issues and Directions


Crowd-Enhanced Cloud Services: Issues and Directions

- David Alan Grier. When computers were human. Princeton University Press, 2013.

Index Terms

Computer Science Distributed Systems

Keywords
Crowdsourcing Cloud Services Distributed Systems.