Abstract

Cloud Computing is the use of computing resources in a new and technologically more advanced manner. It is a fine blend of service oriented characteristics and utility based computing. The growth rate of data in cloud environment is reaching an exponential rate. Therefore there is a need to manage this huge heterogeneous data which can be both unstructured and structured in nature. This data can be managed at different levels in cloud i.e. at the end user level, cloud service provider level and data center level. The proposed approach defines how k medians clustering can be used as an efficient technique for management of data in cloud. The number of data centers is taken as the value of k in the
Data Management in Cloud Based Environment using k-Median Clustering Technique

proposed technique. This approach also takes into account the advantage of Cloud data base management system (CDBMS) and applies it to various distributed data centers.

References

- Robin Bloor. 2011 What is Cloud DataBase
- Daniel Abadi. 2009 Data Management in the Cloud: Limitations and Opportunities,&apos;, IEEE Data Engineering Bulletin, vol. 32 no. 1
- Amazon. 2011 Amazon Web Services – Running Databases in the Cloud.
- Kosinska, J., Kosinski, J., Zielinski, K. 2010 The Concept of Application Clustering in Cloud Computing Environments: The Need for Extending the Capabilities of Virtual Networks, &apos; 2010 Fifth International Multi-Conference on Computing in the Global Information Technology (ICCGI),, pp. 139-145
- Oracle, "Plug into the Cloud with Oracle Database 12c," An Oracle White Paper, June 2013

**Index Terms**

Computer Science  
Distributed System

**Keywords**

Cdbms  Map Reduce  Big Table  K-median Clustering  Data Management