Abstract

The rapid advancement in web and computing technologies have made significant improvement in the computing architectures. Today most of the businesses runs on internet and related technologies. The E-governance uses Information and Communication technologies (ICT) to provide essential government services and information exchange with the citizens and other stakeholders through internet. However, the traditional E-governance solutions are incapable to fulfill the current need because of its increasing demand, application complexity, infrastructure management, cost overhead and other technical challenges.

Therefore the emerging technologies like Cloud computing and big data analytics can welcome these challenges and overcome them using the modern approach for computing, storage and data processing. They provide unique features to E-governance like lower cost, scalability, easy management, disaster recovery, accountability, resource provisioning, distributed storage, data analytics, mobility etc. The objective of this paper is to give insights about cloud computing and big data analytics for E-governance. It also proposes a model for cloud and big data enabled
E-governance along with their opportunities and challenges.

References


Index Terms

Computer Science

Information Sciences

Keywords

E-governance, Cloud Computing, Big Data Analytics, Hadoop, Map-reduce