Abstract

Today, the cloud computing has been a focus of research. Security and privacy are the key issues for cloud computing applications, and still face some enormous challenges. Agent-based cloud computing is concerned with the design and development of software agents for bolstering cloud service discovery, service negotiation, and service composition. With the advance of cloud computing, hybrid cloud that integrate private and public cloud is increasingly becoming an important research issue. Agents are used in migrating cloud applications from a busy host to an idle host in an efficient way to guarantee the performance in the geographical heterogeneous cloud environment involving Big data. Big data is defined as large amount of data which requires advanced technologies and architectures to extract result...
of analysis process. Big data due to its various properties like volume, velocity, variety, variability, value and complexity put forward many challenges. Big data is a recent upcoming technology in the market which can bring huge benefits to the business organizations. To handle the Big data issues Scientific Data Infrastructure (SDI) can be naturally implemented using modern cloud based infrastructure services provisioning model. Since the Big data involves some of the sensitive data of users security issues are important.

References

- Kwang Mong Sim, Senior Member, IEEE, "Agent-Based Cloud Computing", IEEE transactions on services computing, vol. 5, no. 4, October-December 2012
- Avita Katal, Mohammad Wazid, R H Goudar, "Big Data: Issues, Challenges, Tools and Good Practices", 2013 IEEE
- Sam Madden, "From Databases to Big Data", IEEE, Internet Computing, May-June 2012.
- Cloud Security Alliance :http://www.cloudsecurityalliance.org/

Index Terms

Computer Science  
Cloud Computing
Keywords
Agents  Big Data  Sdi  Service Migration  Cloud Security.