Abstract

Security is an important concern to improve in emerging cloud computing to store, manage, analyze and share the sensitive data. Infrastructure as a Service (IaaS) is a provision cloud model attracting all business customers to use cloud by offering on-demand and pay-per-use hardware, storage, servers and other networking components. Present single cloud architectures are having numerous security problems like centralized data management, untrusted service providers, Honest-but-Curious cloud management etc. Multi cloud architecture was introduced recently to improve the efficiency at architecture level and to assure the sensitive data security to data owner. Recent researches were concentrated only to implement generic multi cloud architecture, which causes to raise the load balancing, elasticity and availability issues in multi cloud environment of IaaS. In this paper we introduced scalable and secure multi cloud architecture for IaaS model. This architecture addressed all issues of generic multi cloud architecture and proves that, it is most suitable one for IaaS model management.
Scalable and Secure Multi Cloud Architecture for IaaS to Address the Performance Issues


Index Terms

Computer Science

Security
Keywords
Multicloud Architecture  IaaS  Load Balancing  Cloud Security  Resource Distribution