Abstract

In this era of cloud computing, there is a need to create some sense of security in customer’s mind before they can transfer their critical data on cloud. However, this trust establishment between a customer and service provider is a difficult task. Trust depends on intuitive understanding of a human being. Thus, evaluation of trust remains a major issue while making headway towards Cloud Computing. There must be a trusted third party which can help the customer to select a trustworthy service provider from a large pool of providers. In this paper, a trust evaluation model is presented that can be taken as a base to establish trust on service providers. This model recommends a service provider to customer according to his requirements. It evaluates trust from different perspectives. It considers feedbacks from customers, past experience of customer with service provider as well as results of monitoring done by third party to evaluate trust factor. The model has been simulated and the results show that the proposed model is effectual and adaptable to customers’ needs and priorities.
A Trust Evaluation Model to Recommend a Service Provider to a Customer in Cloud Environment


Index Terms

Computer Science
Distributed Systems

Keywords

Cloud computing Recommendation Trust Evaluation Trust Issues Trust Model.