عنوان مقاله:

A trust model for resource selection in cloud computing environment

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خلاصه مقاله:

In recent years, cloud computing technology has been increasingly embraced by people and most organizations tend to use this technology in their business processes. On the other hand, the use of this technology is not so easy and many organizations are concerned about the storage of their sensitive data in their data centers instead of storing them in the cloud storage centers. Today, one of the most important factors for the success of cloud computing is to create trust and security. Cloud computing will face a lot of challenges when the key element trust is absent. Trust is one of the most important ways to improve the reliability of cloud computing resources provided in the cloud environment and plays an important role in business carried out in the cloud business environments. User trust contributes to selection of appropriate sources in heterogeneous cloud infrastructure. In this paper, we present the trust model based on standards of appropriate service quality and speed of implementation for choose the best source. The proposed approach, in addition to taking into account criteria of quality of service such as cost, response time, bandwidth, and processor speed.Simulation results show that the proposed approach compared with similar approaches, in addition to taking into account measures of the quality of service, selects the most reliable source in a cloud environment by taking into account the speed of things.

کلمات کلیدی:

CloudComputing, TrustModel, Reliability, Availability, Quality of Service

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