Abstract

Now-a-days cloud computing is the latest technology, which make human life easier by providing different types of essential on demand, affordable services as per the requirements. It provides a different service models. Agent based cloud is related to the design and development of software agent. Software agent providing cloud services like discovery, cloud service composition and service negotiation. The agent is acting as a negotiator between service provider and service consumer. The owner of documents is motivated to outsource their document to the cloud because cloud provide more flexibility for storage. Cloud support to the E-commerce to gets high security, high performance, affordable low-cost solution, hosted/upgraded by E-commerce provider, easily scalable and it become easily customizable.
Agents have maintained a user's details and their requirements for a selected product. According to user's requirements, agents negotiate on some issues like duration, price, volume, quality etc. Once negotiation process is completed, agents provide feedback to the user about whether or not negotiation is successful. According to the requirements of consumer, agents best services of provider to consumer. The agent has adopted focused selection contract net protocol for dynamically selecting the services and service capability tables keep the information about the agent and their services. This paper gives the review on agent based cloud computing, by applying agent based approaches for managing cloud computing infrastructure.

References

- J. Rosenschein et al., Rules of Encounter: Designing Conventions for the Automated

Index Terms

Computer Science
Distributed Systems

Keywords

Cloud Computing Multi Agent Systems Software Agent Service Discovery Service Composition

Negotiation

Resource Management

cloud Ontology

Cloud Crawler

Service Discovery Agent

Agent Based Negotiation.