Abstract

Resource management in cloud is been an attraction of all the researchers in the past few years. The main reason behind that is the complexity of resource management problem is high. Many virtual machines are created on top of physical machines and this allocation is a NP-Hard problem. In this paper a resource allocation mechanism based on ant colony is proposed.

References

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8. C. Belady, “In the data center, power and cooling costs more than the equipment it supports,” 2007. URL http://www.electronicscooling.com/articles/2007/fab/a3/.


**Index Terms**

Computer Science  
Distributed Systems

**Keywords**

Cloud Service Provider (CSP), virtual machines (VMs), VM monitor (VMM), SLA (Service Level Agreements), physical machine (PM)