Abstract

In the recent years, there is a wide increase in the demand of cloud computing because of its endless advantages like reduced infrastructure cost, scalability, virtualization, on demand service etc. This technology has brought a great revolution in the field of Information Technology.

Resource Provisioning is an area in cloud computing where resources are provisioned to the processes in such a way that every coming process can get its demanded resource in time and can complete its execution in time and that too with full privacy. For our model proposed, we have taken existing work in hybrid cloud environment. We have used Fuzzy Logic as a tool for redefining the priorities to the processes. In this paper, a Fuzzy Logic based model is proposed to reprioritize Cloud Computing process requests using extended parameters. The central idea is to develop a conceptual model for prioritizing processes on the basis of their age, execution time and security factors. For considering these factors, human expertise is needed. Therefore, we have incorporated Fuzzy Logic in the system where the Fuzzy inference system will decide
the priorities of the processes.

References

8. Chopra, P. and Bedi, R.P.S., STUDY OF CLOUD COMPUTING TECHNIQUES: RESOURCE PROVISIONING ASPECT.

**Index Terms**

Computer Science  
Fuzzy Systems

**Keywords**