

Mini Project Report

Agent Based Dynamic Resource Allocation on Federated Clouds

*Submitted in partial fulfillment of
the requirements for the award of the degree of*

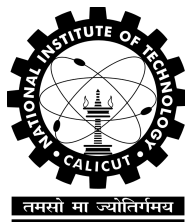
*Bachelor of Technology
in
Computer Science and Engineering*

by

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Under the guidance of
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Certificate

This is to certify that the project work entitled “**Agent Based Dynamic Resource Allocation on Federated Clouds**”, submitted by Alok Saw (B090924CS), Shubhangam Agrawal (B090904CS) and Stein Astor Fernandez (B090006CS) and Sunil Kumar Suthar (B090930CS) to National Institute of Technology Calicut towards partial fulfillment of the requirements of the award of Degree Of Bachelor of Technology in Computer Science and Engineering, is a bonafide record of the work carried out by them under my supervision and guidance.

Place : Calicut
Date :

Project Guide
Mr. Saidalavy Kaladi

Abstract

Current large distributed systems allow users to share and trade resources. In cloud computing, users purchase different resources like network bandwidth, computing power and storage system from one or more cloud providers for a limited period of time with a variable or fixed price. Federated cloud is a mechanism for sharing resources thereby increasing scalability. An improved algorithm has been devised in which a multi-agent system consisting of Consumer Agents, Broker Agents and Resource Provider Agents work in tandem to provide the consumer with the desired resources with maximum efficiency. In this system, the user need not know where the resources reside or who is providing them.