Abstract

Cloud computing is one of the upcoming latest technology which has been developing drastically. Today lots of business organizations and educational institutions using Cloud environment. But one of the most important thing is to increase the Quality of Service (QoS) of the system. The cloud environment is divided into two parts mainly, one is Cloud User (CU) and another is Cloud Service Provider (CSP). CU sends service requests to the CSP and all the
requests are stored in a Request Queue (RQ) inside CSP which directly communicates with Smart Job Scheduler (SJS). SJS communicates with Resource Pool (RP) and tries to assign each of these jobs as per there requirement to the Resources. The main purpose of SJS is to optimal assignment of the tasks in the RP. This particular procedure is called Task Assignment Approach (TAA). The main objective of this topic is to depict one particular model of CSP and two algorithms related to TAA, one of them is Serial Task Assignment Approach (STAA) and another one is Optimal Task Assignment Approach (OTAA).

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Index Terms
**Keywords**

- Cloud computing
- Quality of Service
- Cloud User
- Cloud Service Provider
- Request
- Queue
- Smart Job Scheduler
- Resource Pool
- Task Assignment Approach
- Serial Task assignment Approach
- Optimal Task Assignment Approach