Abstract

Due to presence of high speed bandwidth network called as National Knowledge Network (NKN) environment, the communication between the two computer systems by message passing and data transmission techniques have improved significantly. The existence of heterogeneous network environment has different configuration supporting network. In such type of networks, the process execution depends upon several factors related with the hardware like cpu speed, clock rate, memory size, etc. and software events like execution scenario of processes based on software programming and database approach results in a best optimum performance of the network. One of such kind of approach has been proposed by the authors and a model has been designed for the general process execution concept through distributed database agent supported in distributed computing environment to obtain optimum process execution. This approach has been designed by considering two phases; one phase based on the client node and other is based on controller system. The model has been created by the use of well known Unified Modeling Language (UML) and UML class, sequence and activity diagrams are designed.
UML Modeling of Generic Agent Database Approach under Distributed Computing Environment


Index Terms

Computer Science

Information Sciences
**Keywords**

Performance  Distributed Database  Distributed Computing  Agent  Generic  UML

Class

Sequence

Activity Diagrams