Abstract

To build the efficiency of system in the server, consolidation techniques are utilized however because of this performance of system can degraded. So consolidation and migration methods are utilized to enhance workload execution in virtualized data center. In consolidation method number of physical machine (PM) decreases and create number of virtual machine. VMWARE is utilized to make different number of VM (Virtual Machines). it produce numerous VM on single PM. For this reason two modules are utilized consolidation, which gives set of workload, minimize the number of PM by a integer programming model, Migration module which gives workload from consolidation module to VM by Polynomial time calculation. LSAP(Linear sum assignment problem) method used to solve problem during migration that problem called migration planning problem (during migration from source VM to destination VM it took much time and increases number of migration because the VM which will be migrated is already associated with other workload) for this problem Hungarian algorithm in LSAP method to solve this problem.
References


Index Terms

Computer Science

Information Sciences

Keywords

Migration, Consolidation, Physical Machine (PM), Virtual Machine (VM) etc