

Download Operating System Features Needed For Multiprogramming

Definition of Multiprogramming Operating System. Hence the CPU becomes busy to execute the job 'B'. Another job C is waiting for the CPU for getting its execution time. So in this state the CPU will never be idle and utilizes maximum of its time. A program in execution is called a "Process", "Job" or a "Task". Multiprogramming operating systems allow the computer's CPU to switch between two or more running tasks when the CPU is idle. The main benefit of this functionality is that it can reduce wasted time in the system's operations. As in a business, efficiency is the key to generating the most profit from an enterprise. Introduction. Before multiprogramming was introduced, the role of the operating system was simple and straight-forward - load a program into memory and execute it via the CPU. With the advent of multiprogramming, operating systems now faced different mechanics for program execution as multiple jobs now needed to be loaded into memory at...ii) A multiprogramming operating system must keep track of all kinds of jobs it is concurrently running., Operating System Features Needed For Multiprogramming.

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