

Direct Memory Access (DMA) is a capability provided by some computer bus architectures that allows data to be sent directly from an attached device (such as a disk drive) to the memory on the computer's motherboard. The microprocessor is freed from involvement with the data transfer, thus speeding up overall computer operation.

File Management

A file system is normally organized into directories for easy navigation and usage. These directories may contain files and other directions. Operating System does the following activities for file management.

- Keeps track of information, location, uses, status etc. The collective facilities are often known as file system.
- Decides who gets the resources.
- Allocates the resources.
- De-allocates the resources.

Resource Manager

Operating System Also Known as the Resource Manager, means Operating System will Manages all the Resources those are attached to the System. The Resources like Memory and Processor and all the Input output Devices those are attached to the system are known as the resources of the computer system and the operating system will manage all the resources of the system. The operating system will identify at which time the CPU will perform which operation and in which time the memory is used by which programs. And which input device will respond to which request of the user means when the input and output devices are used by the programs. So this will manage all the resources those are attached to the computer system.