

Threads and SMP

Two important characteristics of Windows are its support for threads and for symmetric multiprocessing (SMP)

- OS routines can run on any available processor, and different routines can execute simultaneously on different processors
- Windows supports the use of multiple threads of execution within a single process. Multiple threads within the same process may execute on different processors simultaneously
- server processes may use multiple threads to process requests from more than one client simultaneously
- Windows provides mechanisms for sharing data and resources between processes and flexible interprocess communication capabilities