







User and Network space ! data Copy data from user space into the network/system space. Actual communication can take place later. ? idata Copy data from network space into user space at receiver end. Again actual communication take place later, fool the system to believe that receive has taken place. This can be safe, as long as receiver process is not manipulating the variables where the data supposed to have been received would have been stored. Need to check for actual receives from time to time. 6 Cs 3211 2012-13 by Abhik



































Why threads?

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- Software portability: Threaded application can be developed on serial machines and run on parallel machines without any change
- Latency hiding: While one thread is waiting for communication operation, another thread can utilize the processor
- Scheduling and load balancing: Programmer must express concurrency in a way that minimizes communication and idling
- Ease of programming: Shared memory programs are much easier to write than message-passing programs. Why?
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