



































 each user has illusion of entire machine to him/herself - optimize response time, perhaps at the cost of throughput · Timeslicing - divide CPU equally among the users - if job is truly interactive (e.g., editor), then can jump between programs and users faster than users can generate load - permits users to interactively view, edit, debug running programs (why does this matter?) MIT Multics system (mid-1960's) was the first large timeshared system - nearly all OS concepts can be traced back to Multics

Timesharing

• To support interactive use, create a timesharing OS:

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- multiple terminals into one machine

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