

History of Operating Systems

Bringing It All Together

- Operating system tasks can be divided into three main roles: the referee, the illusionist, and the glue
- Operating system complexity increased over time in response to economic and technological changes
 - The three roles did not show up all at once and fully formed!

Vocabulary

requires protection	portability (hardware-independent)	single-user
multiprogramming	scheduler	microcomputers
machine room operator	Phase Three	punch cards
terminals	named machines (ENIAC, Mark I)	batch processing
I/O machine	Phase One	interrupts
supercomputing	shell	Unix
uniprogramming	timer interrupt	context switch
personal computers	plug board	I/O and computation are serial
timesharing	concurrent I/O and computation	response time
multics	Phase Two	interactive
CPU machine	commercial machines	concurrent execution of jobs
tape drive	parallel and distributed computing	scheduling policy

Hidden Figures

Pecha Kucha Time!