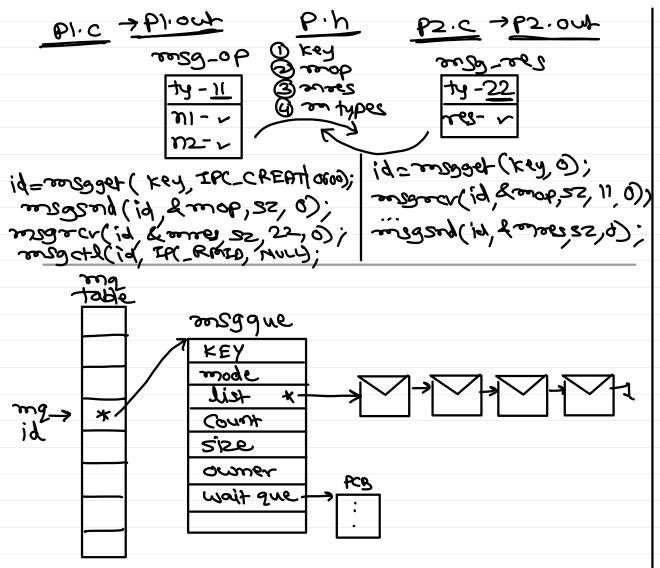


Embedded Operating Systems

Trainer: Nilesh Ghule



Message Queue



- (1) sent ly = sessiblet (x & A Goods);
 - O Cocate sizaque obj in kernel space
 - B) Store its addr in one table.
 - @ some index at end toplen 20t subject

flags-0: get orgid at orgale new rong.

- (2) rosqC+1 (rogid, IPC_RMID, MULL);
 - O select seem of all solds in list.
 - (B) note up all bescer 2/60 bien on see due.
 - Co seleve sorden zonet & sessone session
- 3 ross cfg (solid IbC ZLAL & ings); Starct (ON)
 - dien and barden (dess).

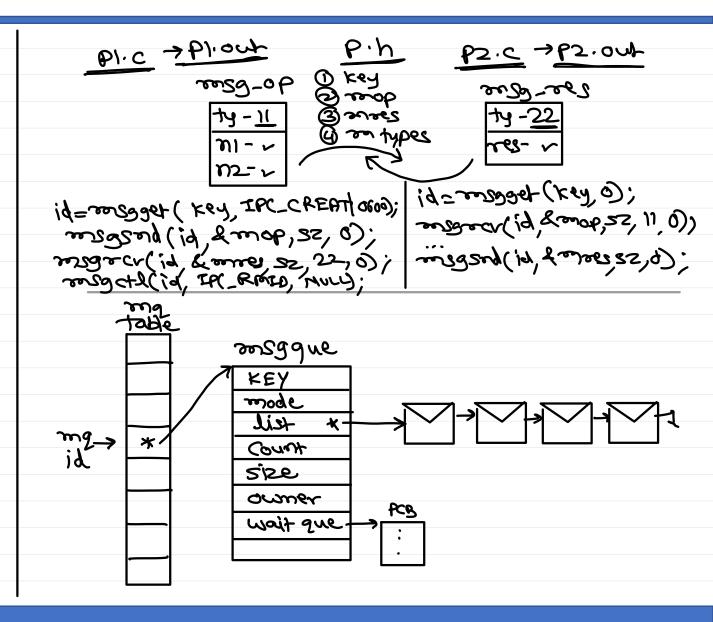
 O till lege year sed op into the subdigger

coug> ibczw - i
coug> ibcz - i



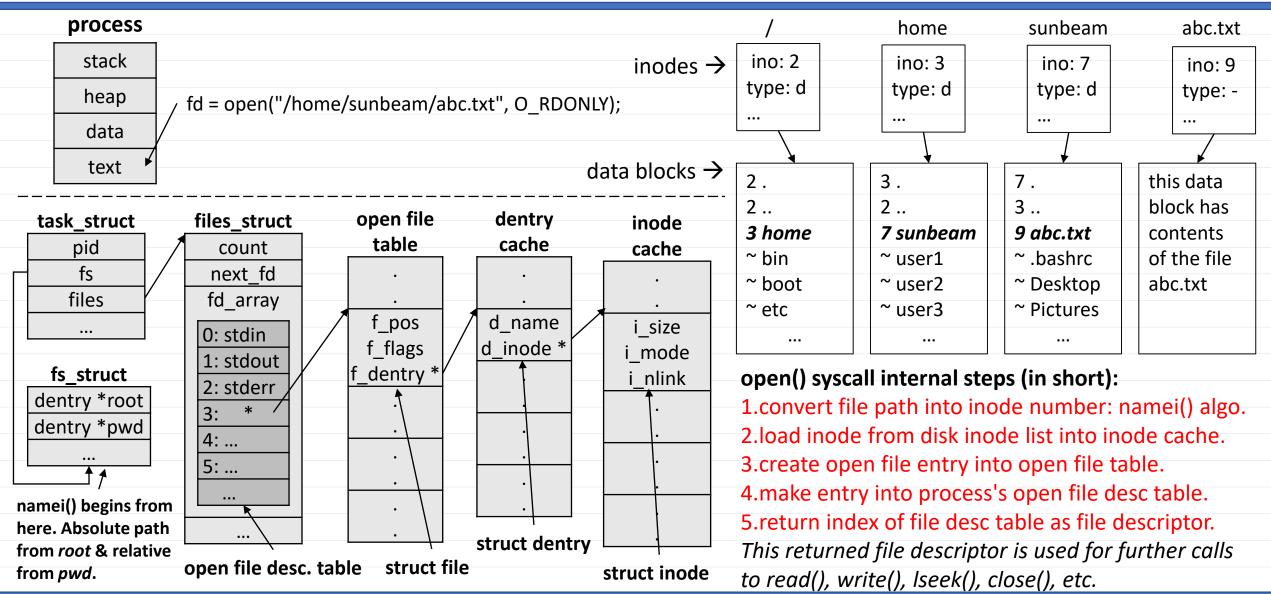
Message Queue

- (song Les Some & Some & pesson)
 - @ allocate a very struct in knowled space and copy data from user space struct (given in angs),
 - full pero der pero both bloo @
 - @ update into in onso que obj
 - d) wakeup any process that is waiting for the given oney type.
- (3) sorduce (endig' gentl' sord 25 the year):
 - @ check if roise of given type (any 4) is available in may list.
 - B if available, copy it into user space sess struct out param (903).
 - © if not available, renate current process skep in reng's wait que, after make up get the rouse & then return.



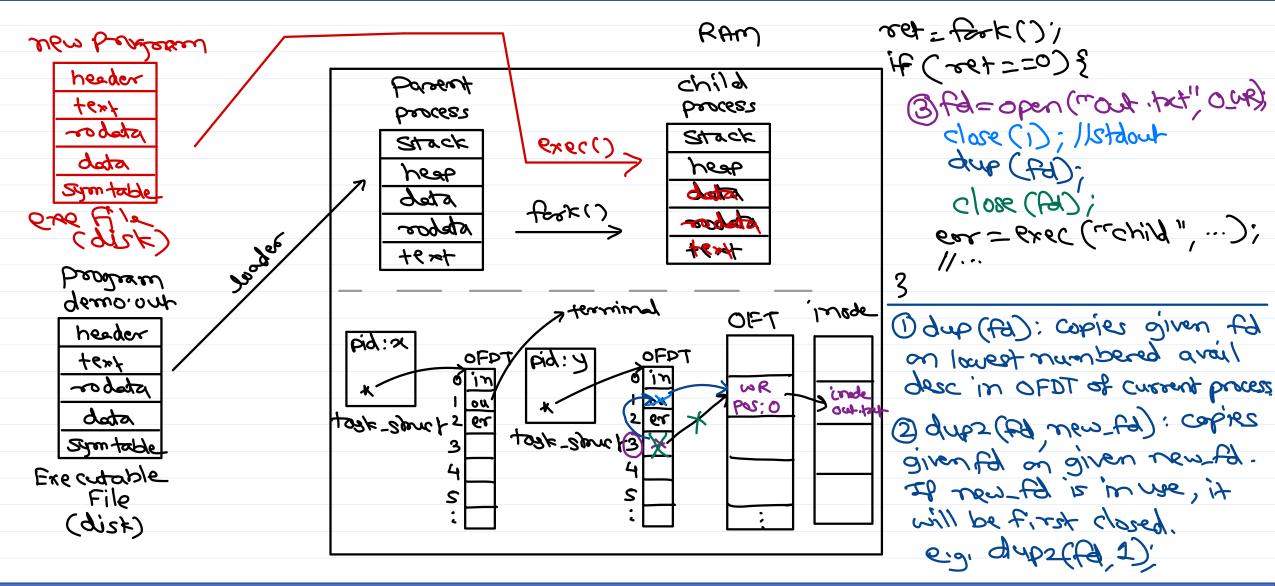


Linux - open() syscall internals (simplified)



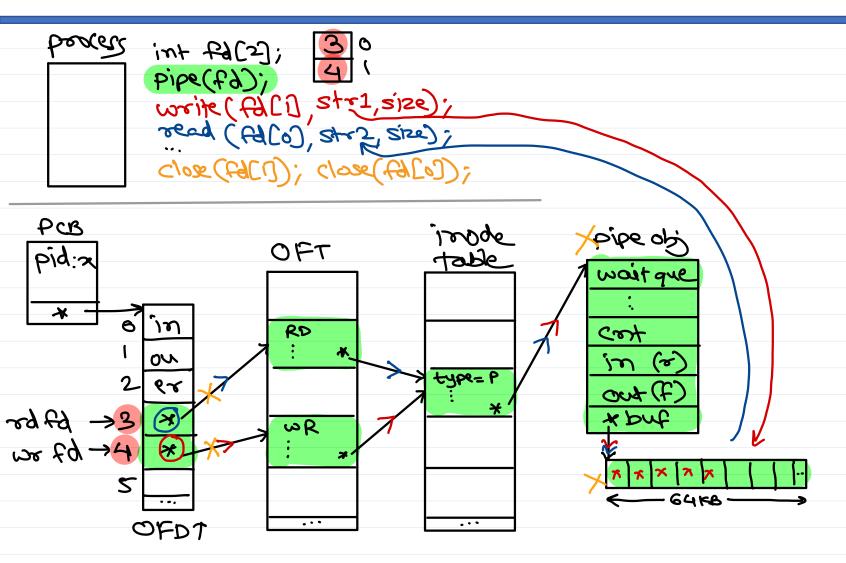


IO Redirection



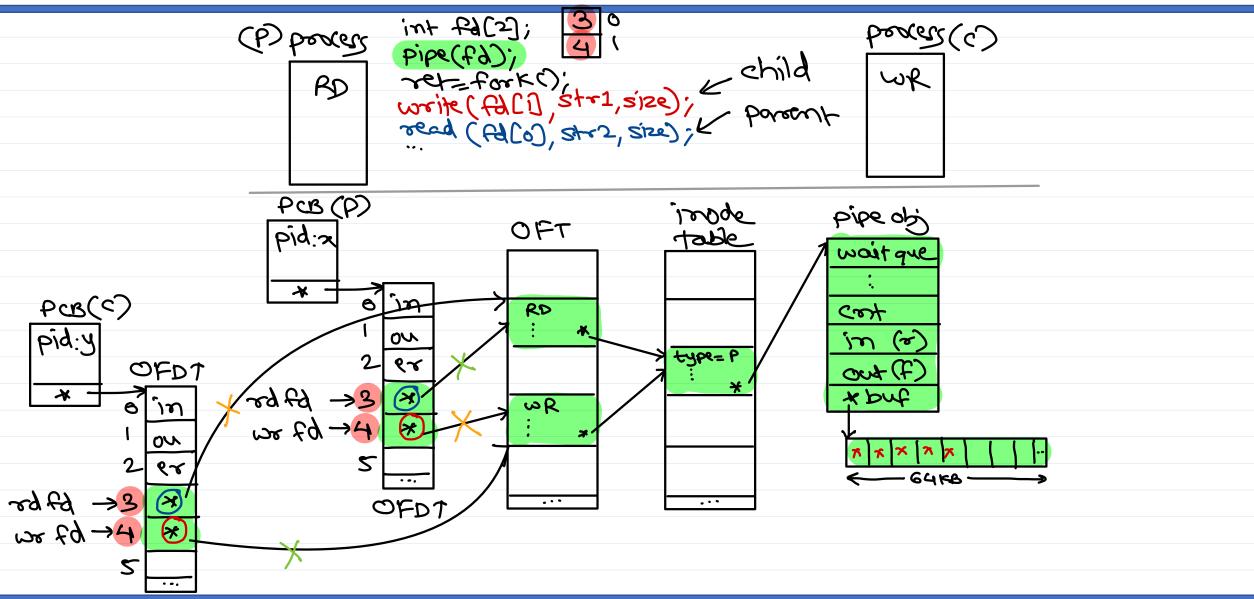


Pipe



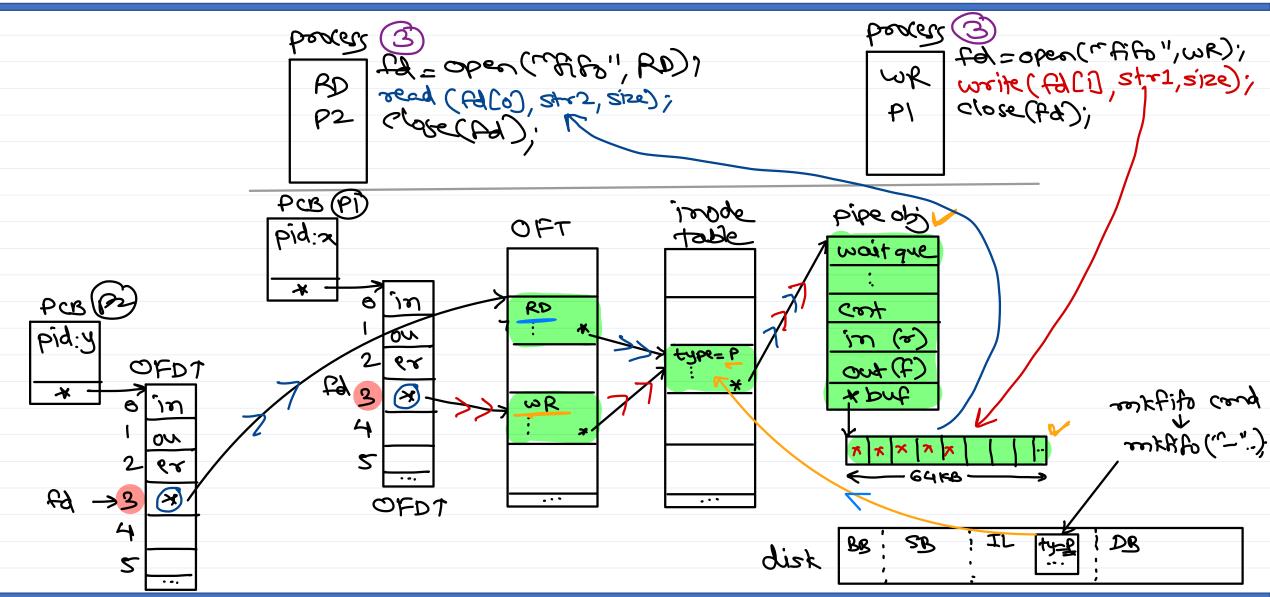


Pipe - IPC





FIFO - IPC







Thank you!

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