Memory Mapping

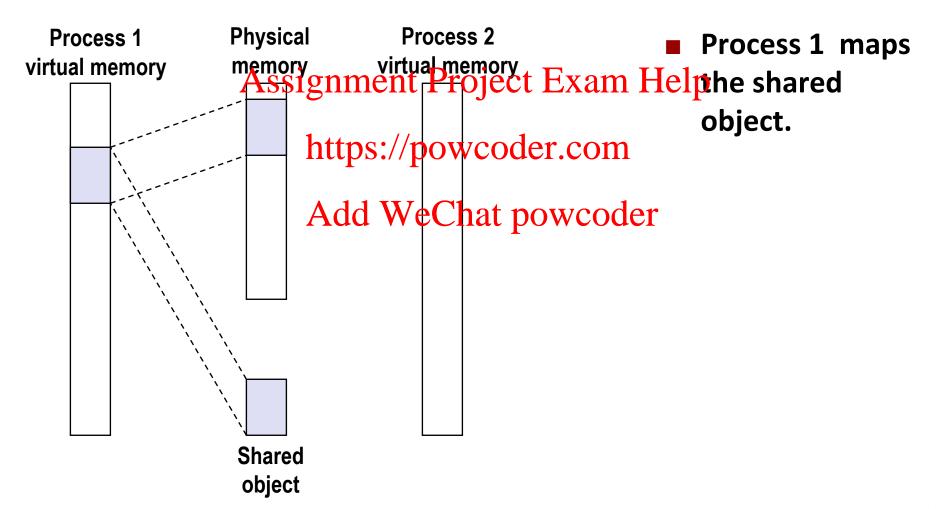
- VM areas initialized by associating them with disk objects.
 - Process is known as memory mapping.
- Area can be Assked by (iteP, rge etts intian values from):
 - Regular file on disk (e.g., an executable object file)
 - Initial page bytes come from a section of a file
 - Anonymous file (A.g. nothing) hat powcoder
 - First fault will allocate a physical page full of 0's (demand-zero page)
 - Once the page is written to (dirtied), it is like any other page
- Dirty pages are copied back and forth between memory and a special swap file.

Demand paging

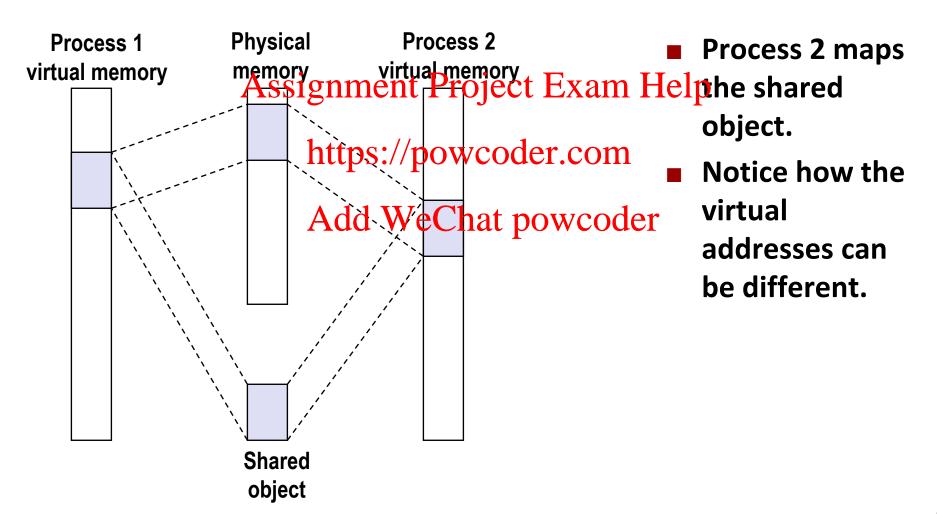
- Key point: no virtual pages are copied into physical memory until they are referenced!
 - Known as demand paging
 Assignment Project Exam Help
- Crucial for time and space efficiency com

Add WeChat powcoder

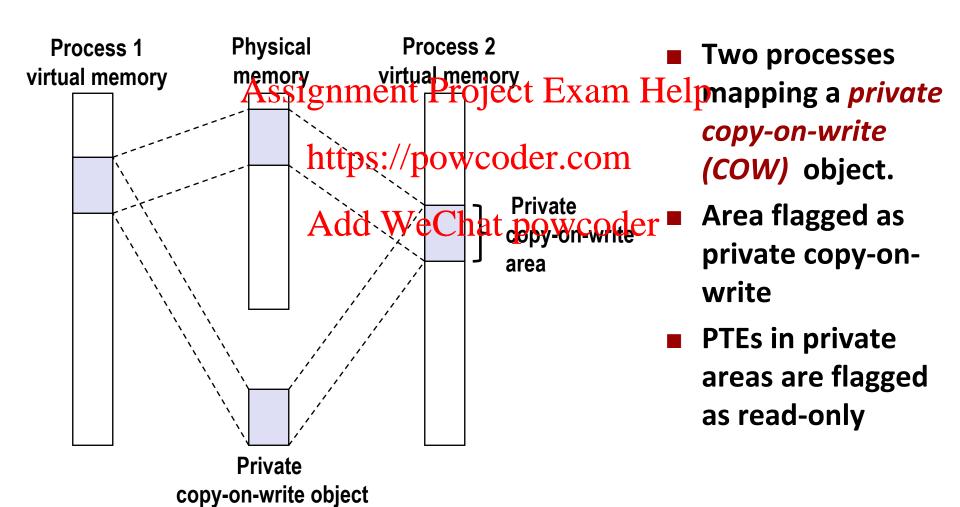
Sharing Revisited: Shared Objects



Sharing Revisited: Shared Objects



Sharing Revisited: Private Copy-on-write (COW) Objects



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