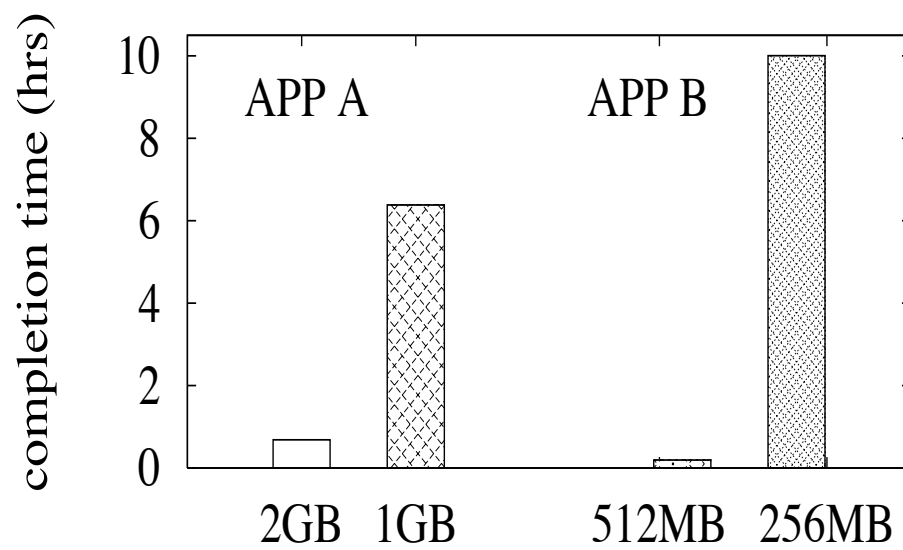


Impact of physical memory and VM on app performance

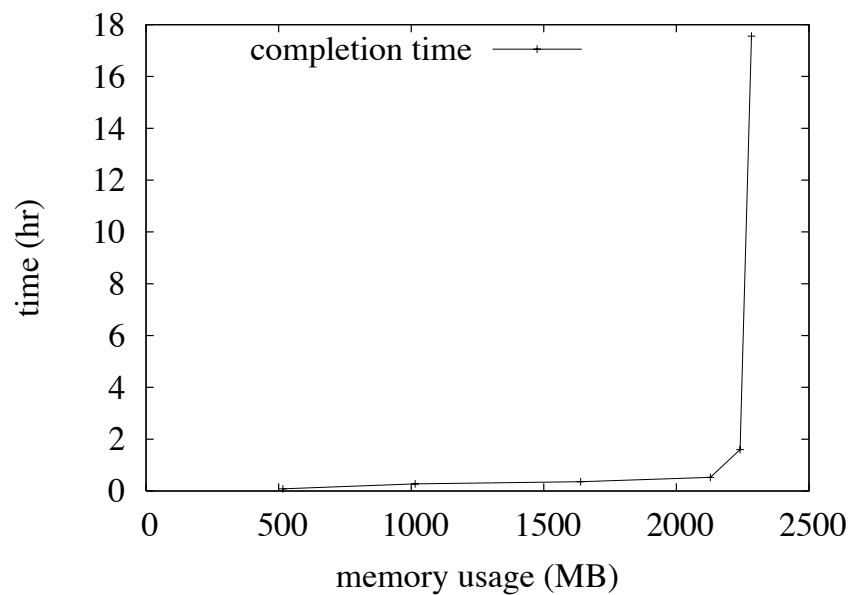


Thrashing behavior

→ as a function of memory demand

→ app has configurable memory demand

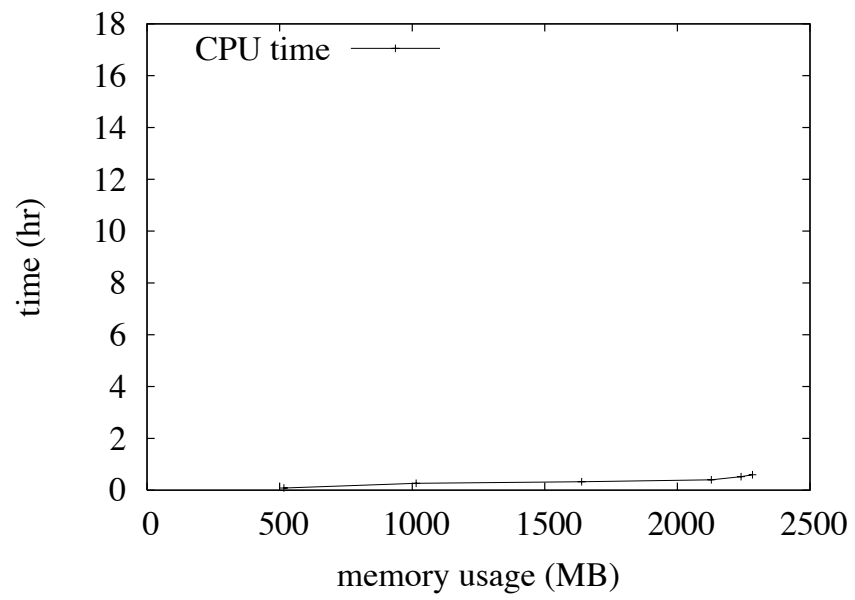
App completion time:



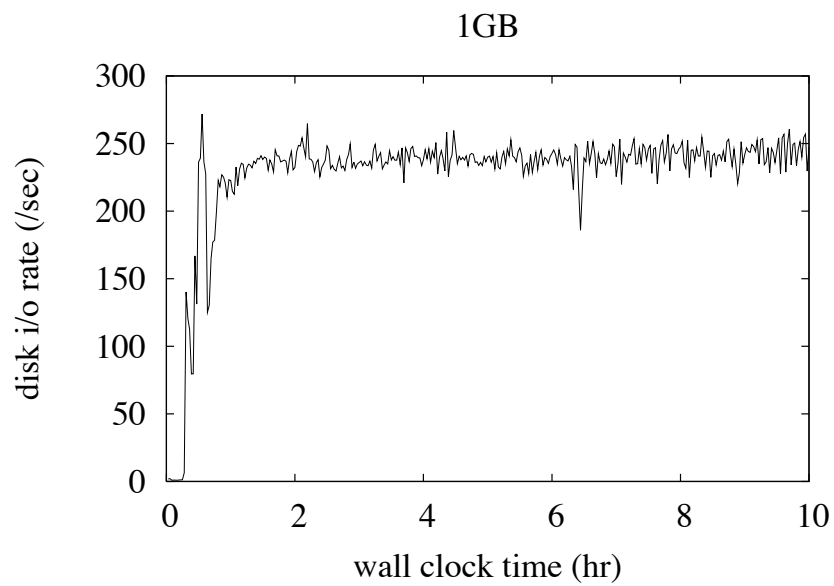
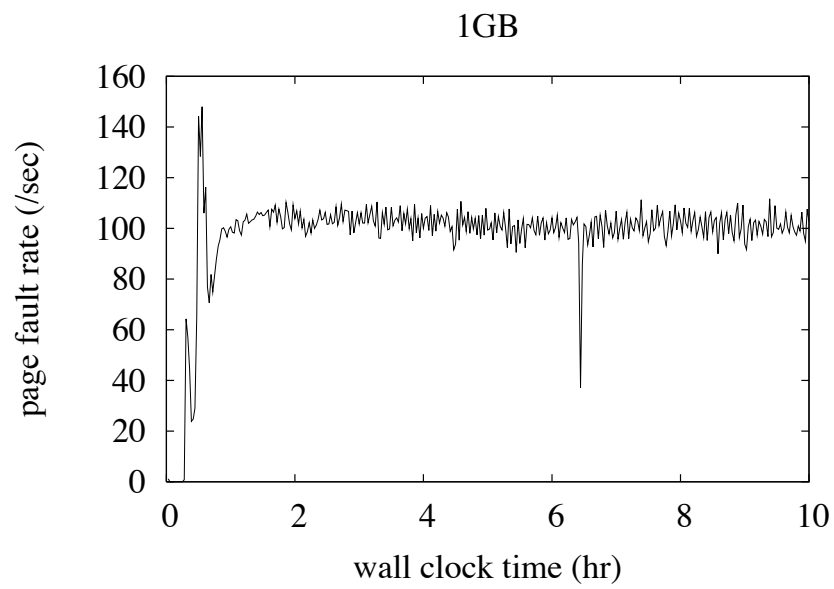
→ sudden onset

→ also: physical memory is 1 GB

Actual CPU time consumed by app:



Time evolution: page fault rate and disk I/O rate



Time evolution: idle process CPU time

