



Primary memory capacity
Same story, same reason (Moore's Law)
Bary (core memory): MB = \$1,000,000
Bary
Bary
Bary
Bary
Bary
Bary
Bary Core and the statistic - 2004b (same statistic - 2004b) (same statistic -

























- So how does the processor know if a protected instruction should be executed?
 - the architecture must support at least two modes of operation: kernel mode and user mode
 - VAX, x86 support 4 protection modes
 - mode is set by status bit in a protected processor register
 user programs execute in user mode
 - OS executes in kernel mode (OS == kernel)
- Protected instructions can only be executed in kernel mode
 - what happens if user mode executes a protected instruction?

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