

Virtualization — Quiz 1

Name: _____

Score: _____/10

This is a take-home quiz and is due via email on or before 25 Feb 2019. No late quiz submissions will be accepted.

1. There are a number of instructions in the x86 architecture that, prior to the advent of hardware-assisted virtualization, are not virtualizable in certain circumstances. Research this list of instructions, and list each one. Next, for each instruction, explain (briefly) why failing to virtualize the instruction could lead to problems (instability, security, etc).

(Hint) – *You can google for the list for the first part of the question. The second part of the question can be answered by reading the Intel SDM for each instruction in question.*