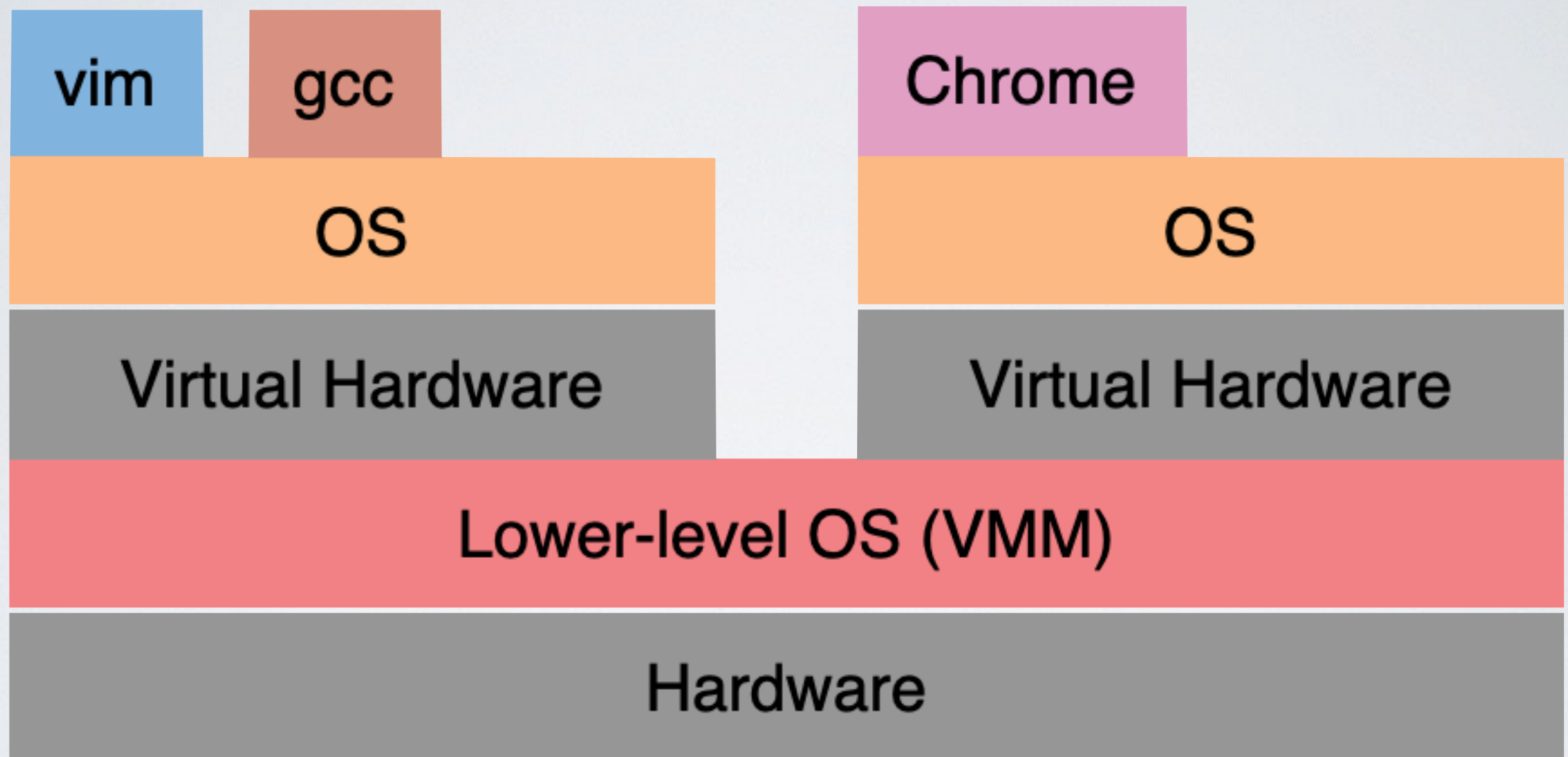


What if...



➡ The process abstraction looked just like hardware?

# How do process abstraction & hardware differ

## Process

- Non-privileged registers and instructions
- Virtual memory
- Errors and signals
- File systems, directories, files, raw devices

## Hardware

- All registers and instructions
- Both virtual and physical memory, MMU functions, TLB/page tables ...
- Trap, interrupts
- I/O devices accessed through programmed I/O, DMA, interrupts