

Why virtualization

We don't want to change S

Hardware T is not available;

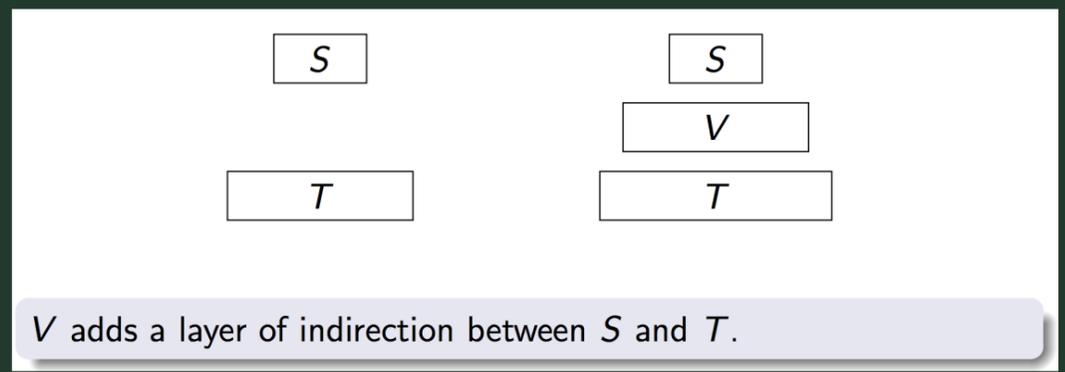
V is less expensive than T

V is more flexible than T

V offers a good protection model for S

one or more of

Useful also when $T = H$



How to virtualize

emulation (Bochs, original JVM)

binary translation (QEMU, recent JVMs)

hardware-assisted (KVM, Virtualbox)

paravirtualization (original Xen)