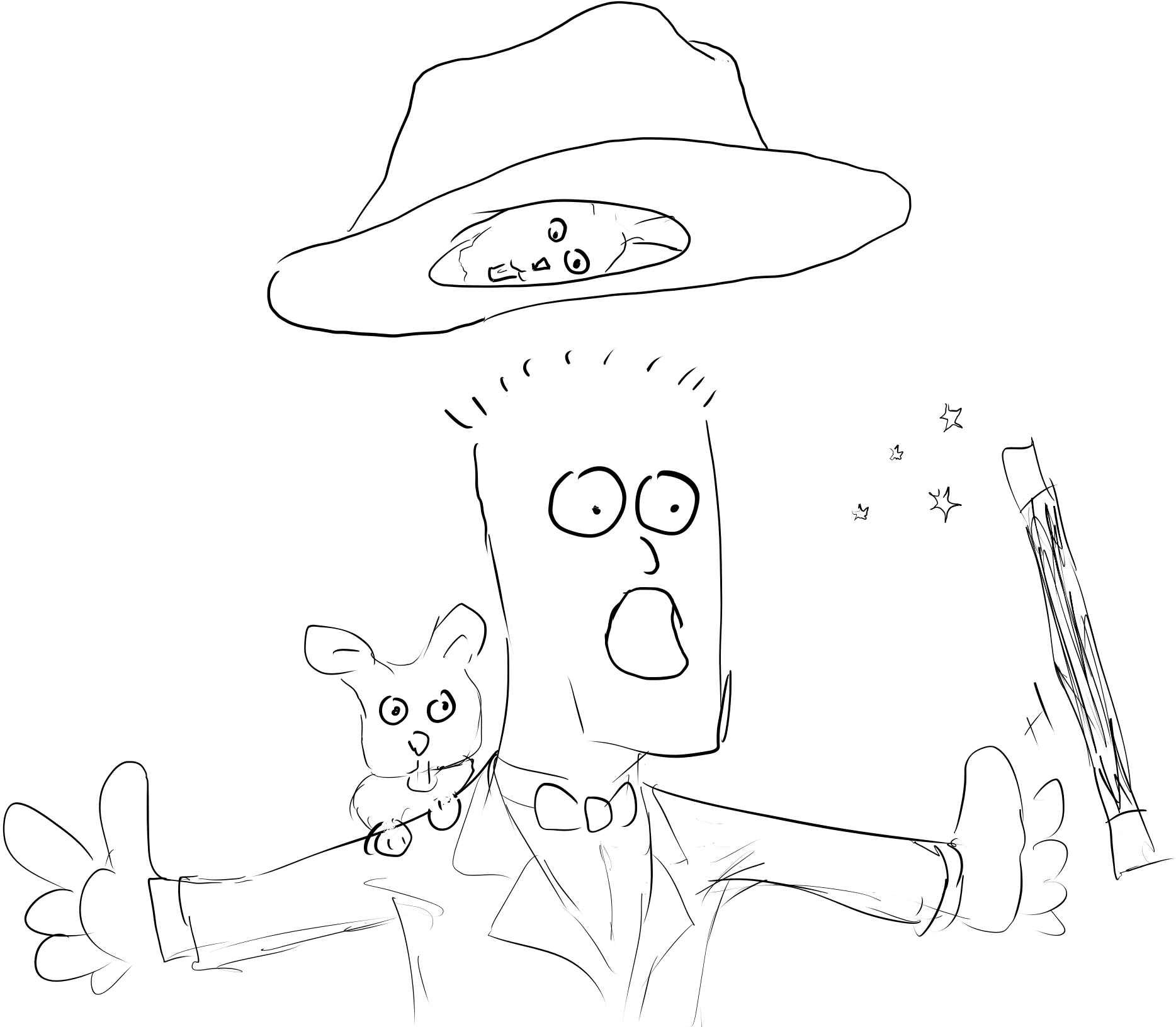


chroot jail → root directory

/

fopen

fork

root user
= the super-user
most admin

all users use this

/usr/bin/gcc ⟶ "/tmp/Jail/usr/bin/gcc"

$PATH

root

programs
executables
binaries
are inside

"/"

"/tmp/Jail/"

Docker-style **Containers** → change many syscalls

mov 120, %rax

Syscall → kernel mode

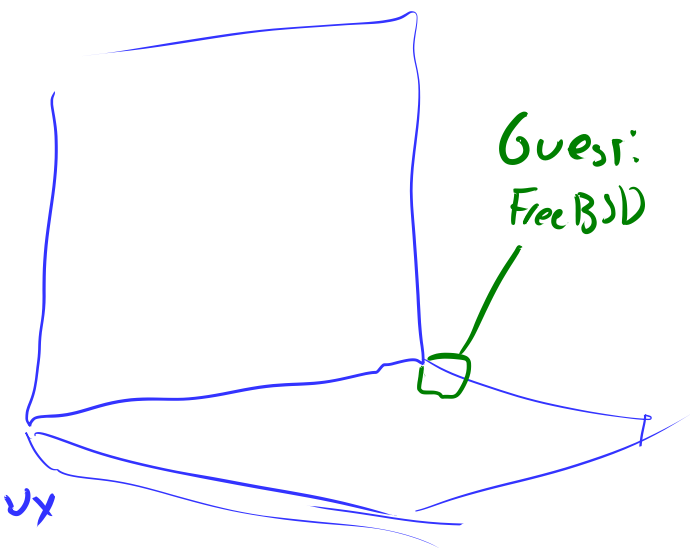
→ syscall handler (call fun)

→ Container's Func (in usr mode)

⋮

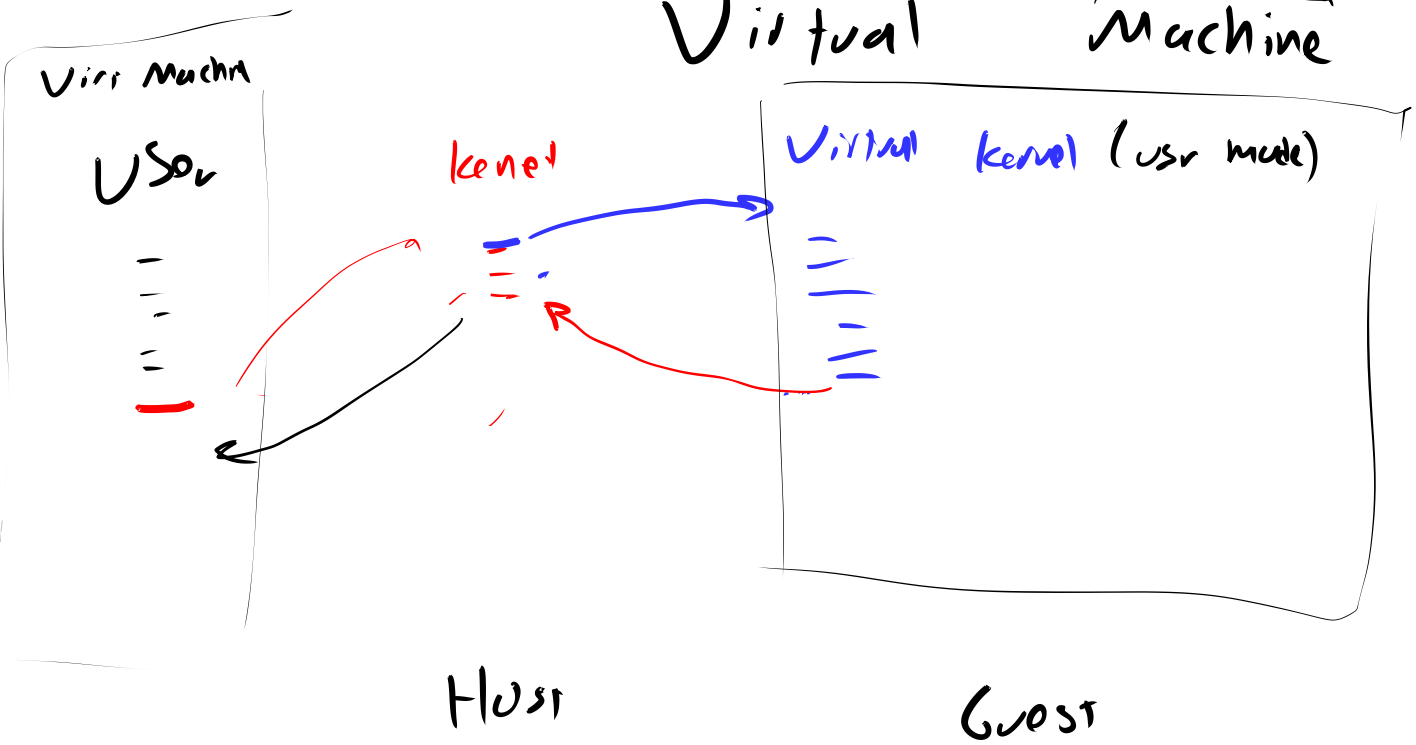
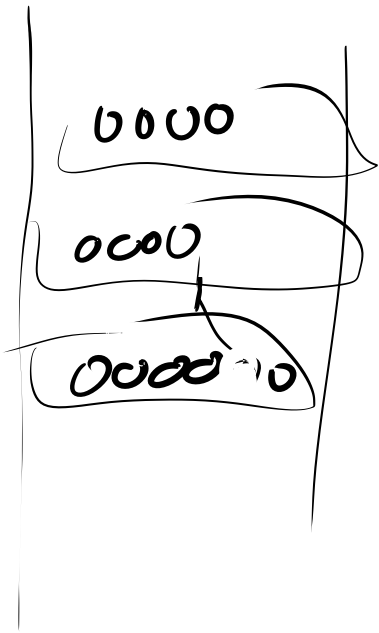
Syscall → kernel

Pretend to be a different O.S.




Host: Linux

all kernel-mode code

≈ code that talks to hardware

Virtual Machine