Syscall →

Library of

Instruction → SYSENTER: { Privileged

int x80:

Cause exception.

Exception handler in OS
Security

Who is being protected from whom?

User Apps.

User1 ← User2 → User3.

OS

HW

OS & HW Level Security mechanisms

CPU → x86 → EFLAGS

Memory

2-bit

FS.

User based

DAC

MAC → Strict

RBAC

Roles

ACL

Non-root

Root

App.