VM vs Container

Requires different glibc version

APP

web 1.0

web 2.0

GNU C Library (glibc)

VM1

web 1.0

glibc 1

Kernel

VM2

web 2.0

glibc 2

Kernel

Container1

web 1.0

glibc 1

Container2

web 2.0

glibc 2

User

System Call Interface

KVM

vHW

vHW

selinux

cgroup

namespace

seccomp

Kernel

CPU

MEMORY

SSD

Storage

USB

CD/DVD/BLUERAY

Keyboard

Mouse

NIC

· · ·

Hardware

VM1

APP

VM User

LIB

VM Kernel

Container

APP

LIB

User

APP

LIB

vHW

Kernel

Hardware