

Guest User Mode  
Host User Mode

Guest  
Process

Guest  
Process

...  
trap  
...  
← Guest  
Program  
Counter

Host User Mode  
Guest Kernel Mode

Guest PC  
Guest SP .....  
Guest Flags

Guest  
Exception  
Stack

Guest Kernel

Guest file system  
and other kernel  
services

Guest  
Interrupt  
Table

..... Timer  
Handler  
..... Syscall  
Handler

Host KernelMode

Host PC  
Host SP .....  
Host Flags

Host  
Exception  
Stack

Host Kernel

Virtual  
Disk

Host  
Interrupt  
Table

..... Timer  
Handler  
..... Syscall  
Handler

Hardware

Physical  
Disk

