

Linux System Architecture



Userspace
Application Layer

Apache, PHP,
etc

~ 25 Operation Types
~ 100.000 Ops / s

Filesystem
xfs, ext4, etc



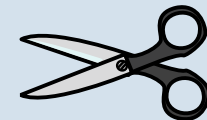
Potential Cut Point A
for Distributed System

Kernelspace

Buffer / Page Cache
1:100 reduction

2 Operation Types (r/w)
~ 1.000 Ops / s

Block Layer



Potential Cut Point B
for Distributed System

Hardware

Hardware-RAID,
BBU, etc