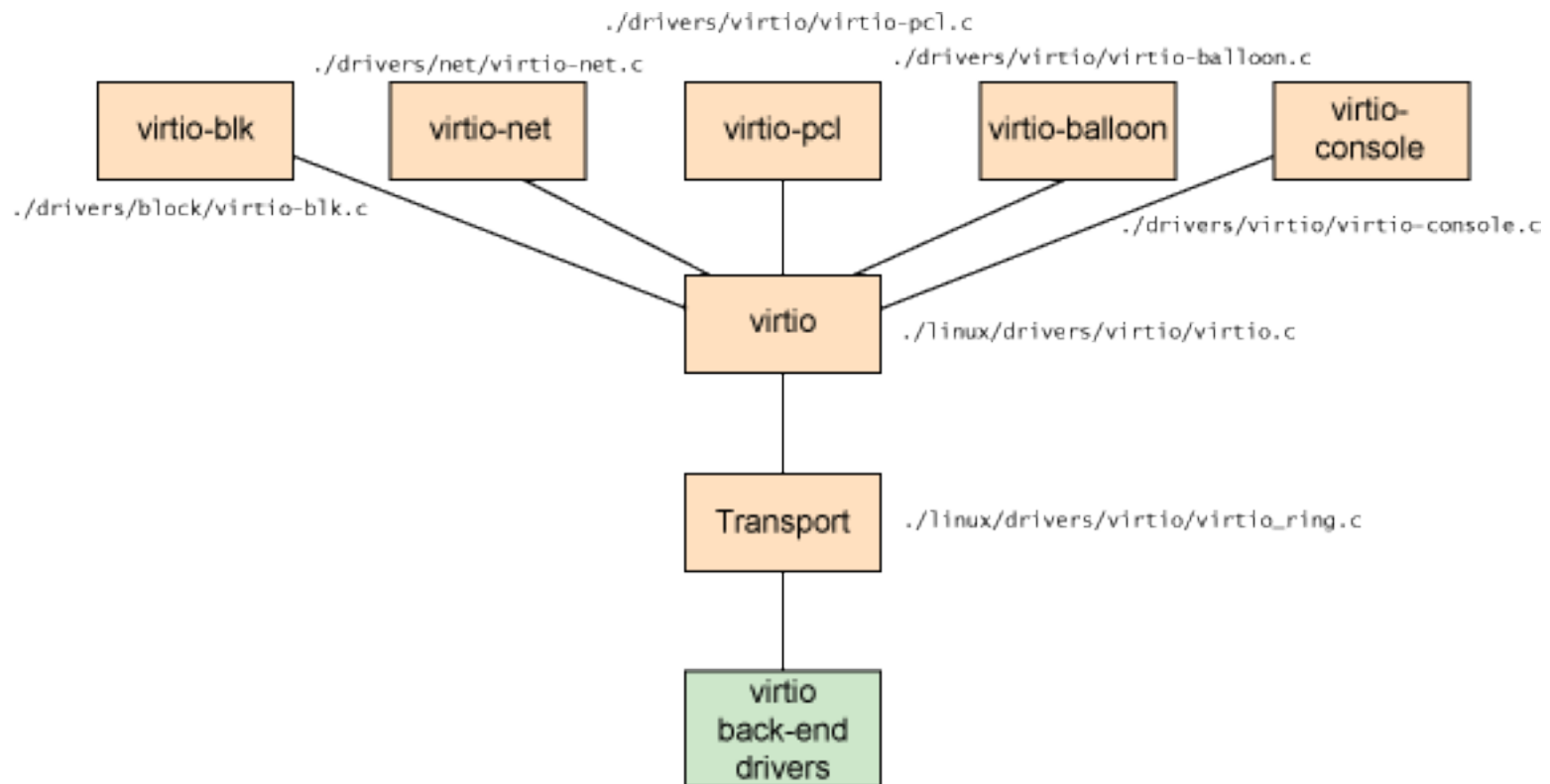# VirtIO on Xen

Content

- What is VirtIO ?
- Difference with XenOps
- Benchmark

VirtIO

Google Summer of Code project
Wei Liu have porting it to Xen

generic paravirtualized IO framework
Used by KVM
Frontend in Linux
Backend in QEMU for KVM

Overview

Difference with Xen PV drivers

The backend of a Xen PV is in Dom0.
Backends are in QEMU for KVM.

Benchmark - Network

one way: guest -> dom0 (server)

hvm, with pvonhvm	155	
hvm, with virtio nic	177	
pv guest, with virtio nic	12	
pv guest, with xenpv nic	293	
kvm guest, with virtio nic	123	

Question ?

usefull:
http://wiki.xensource.com/xenwiki/VirtioOnXen