Linux 系统利用 Iometer 检测磁盘

一【实验目标】

- 学习并掌握 Linux 系统下利用 Iometer 检测磁盘

二【实验环境】

- 实验机环境：Centos 6.6
- 目标机环境： Centos 6.6
- 实验拓扑：如图 1 所示。

图 1 实验拓扑

三【实验原理】

在 linux 下使用 IOmeter 由于没有 UI，所以需借助 windows 下的 UI，需要联通 windows 和 linxu 的 IOmmeter

四【实验步骤】

1、去官网下载同一版本的 Iometer

	OS	CPU	image
[download]	Linux	i386	Prebuild binaries
[download]	Netware	i386	Prebuild binaries
[download]	Windows	i386	Installer and prebuild binaries
[download]	*common*	*common*	Sources
[download]	*common*	*common*	Documention

图 1

2、在 linux 系统下，解压安装包

命令:cd Downloads/

tar -zxv -f iometer-2006_07)27.linux.i386-bin.tgz

```
[root@localhost Downloads]# tar -zxv -f iometer-2006_07_27.linux.i386-bin.tgz
iometer-2006_07_27.linux.i386-bin/
iometer-2006_07_27.linux.i386-bin/src/
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/iomtr_kstat.h
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/Makefile-Linux24
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/Makefile-test
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/load26.sh
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/Makefile-Linux26
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/load24.sh
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/iomtr_kstat.c
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/test.c
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/unload.sh
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/README.first
iometer-2006_07_27.linux.i386-bin/src/iomtr_kstat/INSTALL
iometer-2006_07_27.linux.i386-bin/src/dynamo
iometer-2006_07_27.linux.i386-bin/src/scripts/
iometer-2006_07_27.linux.i386-bin/src/scripts/iom-indent
iometer-2006_07_27.linux.i386-bin/src/scripts/ccntmknod.README
iometer-2006_07_27.linux.i386-bin/src/scripts/ccntmknod
iometer-2006_07_27.linux.i386-bin/CREDITS
```

3、连接 windows 的 Iometer

命令:./dynamo -i 192.168.233.1(windows IP) -m 192.168.74.129(Linux IP)

PS:事先需要关闭两边的防火墙

```
[yb@localhost ~]$ su root
Password:
[root@localhost yb]# systemctl stop firewalld.service
[root@localhost yb]# ▮
```

还需要安装两个库

命令: yum install glibc.i686

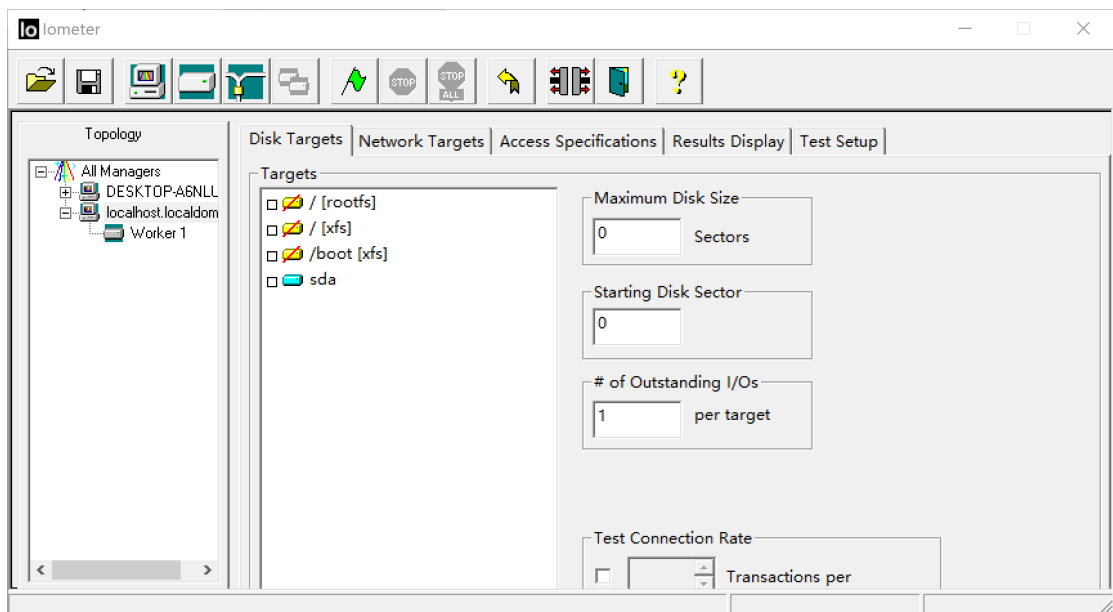yum install libstdc++-4.8.5-4.el7.i686

开始链接

```
[root@localhost src]# ./dynamo -i 192.168.233.1 -m 192.168.74.129
Fail to open kstat device file. You can ignore this warning
unless you are running dynamo on XSCALE CPU.

Command line parameter(s):
   Looking for Iometer on "192.168.233.1"

Sending login request...
   localhost.localdomain
   192.168.74.129 (port 47407)
Successful PortTCP::Connect
   - port name: 192.168.233.1

*** If dynamo and iometer hangs here, please make sure
*** you use a correct -m <manager_computer_name> that
*** can ping from iometer machine. use IP if need.
   Login accepted.
Reporting drive information...
Set_Sizes: Open on "/sys/iobw.tst" failed (error No such file or directory).
Set_Sizes: Open on "/dev/iobw.tst" failed (error Invalid argument).
Set_Sizes: Open on "/sys/kernel/security/iobw.tst" failed (error Permission deni
ed).
Set_Sizes: Open on "/dev/shm/iobw.tst" failed (error Invalid argument).
```


成功

接下来需要阅读使用手册，和 windows 的操作类似进行扫描磁盘。