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Resource Broker installation for WLCG

Disk layout

The disk layout has been studied extensively here. The conclusion is that the disks should be set up as RAID1 using ext3. The procedure is defined as follows

Elonex small disk server configuration (ex_06_3)

- Use the RAID1 creation procedure to set up the disks as in Alternative configuration.
- Use the fileserver data disk setup procedure for ext3 filesystems with /data*NN*.

```
# /usr/local/sbin/fileserver-datadisk-setup.sh --prefix /data --fs ext3
Searching for accessible SCSI devices:
/dev/sdb
/dev/sdc
/dev/sdd
Scanning for RAID superblocks on SCSI devices:
/dev/sdb: none
/dev/sdc: none
/dev/sdd: none
Setting up /dev/sdb:
fdisk /dev/sdb > /tmp/fdisk.sdb.log 2>&1
dd if=/dev/zero of=/dev/sdb1 bs=1M count=8 2>/dev/null
mkfs.ext2 -m 0 -i 262144 /dev/sdb1 >/tmp/mkfs.sdb1.log 2>&1
# Changing filesystem label: '' -> 'data01'
tune2fs -L data01 /dev/sdb1 > /tmp/tune2fs.sdb1.log
tune2fs -j /dev/sdb1 >> /tmp/tune2fs.sdb1.log
# mount point exists
print 'LABEL=data01 /data01 ext3      defaults          1 3' >> /etc/fstab
mount -t ext3 /dev/sdb1 /data01
Setting up /dev/sdc:
fdisk /dev/sdc > /tmp/fdisk.sdc.log 2>&1
dd if=/dev/zero of=/dev/sdc1 bs=1M count=8 2>/dev/null
mkfs.ext2 -m 0 -i 262144 /dev/sdc1 >/tmp/mkfs.sdc1.log 2>&1
# Changing filesystem label: '' -> 'data02'
tune2fs -L data02 /dev/sdc1 > /tmp/tune2fs.sdc1.log
tune2fs -j /dev/sdc1 >> /tmp/tune2fs.sdc1.log
mkdir -p /data02
print 'LABEL=data02 /data02 ext3      defaults          1 3' >> /etc/fstab
mount -t ext3 /dev/sdc1 /data02
Setting up /dev/sdd:
fdisk /dev/sdd > /tmp/fdisk.sdd.log 2>&1
dd if=/dev/zero of=/dev/sdd1 bs=1M count=8 2>/dev/null
mkfs.ext2 -m 0 -i 262144 /dev/sdd1 >/tmp/mkfs.sdd1.log 2>&1
# Changing filesystem label: '' -> 'data03'
tune2fs -L data03 /dev/sdd1 > /tmp/tune2fs.sdd1.log
tune2fs -j /dev/sdd1 >> /tmp/tune2fs.sdd1.log
mkdir -p /data03
print 'LABEL=data03 /data03 ext3      defaults          1 3' >> /etc/fstab
mount -t ext3 /dev/sdd1 /data03
```

-- TimBell - 12 Sep 2006

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