How to: Copy and Replace Internal or External Hard Drive

Step 1 – Format new HDD eSATA drive in HR44

Step 2 - Perform a "graceful power down" on old and new HDD

This is achieved by doing a menu reset and disconnecting the HR44's power just at the point when all the LED lights go off.

This is a crucial step – the linux mount commands will fail with a "Can't read from Superblock" error if this step isn't taken. It is imperative that both drives experience a "graceful power down" while connected to the HR44.

After the HR44 is powered off, turn off the ESATA drive and remove the bare drive from the ESATA enclosure.

Step 3 – Connect the drives & copy

　　　　sda: New HDD　　　*sdb*: Old HDD

mkdir /mnt/fap
mkdir /mnt/hr44
mount -t xfs -o rtdev=/dev/sda3 /dev/sda2 /mnt/fap
mount -t xfs -o rtdev=/dev/sdb3 /dev/sdb2 /mnt/hr44

　　Start the copy process:

xfsdump -J - /mnt/hr44 | xfsrestore -J -p 60 - /mnt/fap

　　Finally:

umount /mnt/hr44
umount /mnt/fap