

HomeArchiver Procedure:

***HomeArchiver* is a Cshell script that uses the Linux *rsync* command to REPEATEDLY update a copy of your entire *Home* directory on a local FireWire or USB disk.**

1. **Prepare your disk AT HOME!**
 - a. **format your disk with an “ext3” filesystem**
 - b. **change permissions on your disk adding “rwx” for “other” (everyone!)**
 - c. **TEST YOUR DISK AT HOME as a non-root user**
 - d. **Clean off your disk at home so that you have as much space available as possible for your SBC data**

2. **Attach your disk to an SBC Linux Workstation**
 - a. **choose a Linux system in your assigned “WORKAREA” rather than the “OPS” area so you will have access throughout your entire visit**
 - b. **login using the username of the account assigned to you**
 - c. **open a terminal window and list the contents of the /media directory (command: ls /media)**
 - d. **power ON your disk and connect a Firewire or USB cable between your disk and the SBC Linux Workstation (ports may be on front or back of workstations)**
 - e. **list the contents of the /media directory once again, identify the new directory where your disk is mounted (command: df -hTl) and record the MOUNTPATH to your disk here: MOUNTPATH=**

3. **Run the HomeArchiver command**
 - a. **run the HomeArchiver command in a terminal window in your home directory following the syntax:**
HomeArchiver <MOUNTPATH> <BASE_NAME>

MOUNTPATH: full path to your disk from step 2e above
BASE_NAME: a PREFIX for HomeArchiver to use for naming the three control described below. HomeArchiver creates them in your home directory.
BASE_NAME.excluded (list of files,directories NOT to copy)
BASE_NAME.log (record of each successive rsync command)
BASE_NAME.enabled (removing this will initiate a “normal exit” of the script in between rsync commands)

4. **Monitor the status of your backup**
 - a. **Periodically check space available on your disk (df -hTl)**
 - b. **Periodically check that HomeArchiver has run rsync in the past 10 minutes by examining the output written to the terminal by the HomeArchiver script**

