How to burn a CDROM on Vela

Introduction

This is a very brief description on how to burn a CDROM on VELA using the *GEAR* software.

Setup, Preparation, and Burning

1. Make a tar file of the data you want to make a CDROM backup of.
2. Telnet to vela and login with the `daprog` user
3. Change to the CDROM burning partition:
   - `cd /cdscr`
   - `cd public`
4. Create a subdir with an appropriate name in this dir. For example:
   - `mkdir sest12aug99`
5. Change to that subdir and untar the tarfile:
   - `cd sest12aug99; tar xvf <full path to your tar file>`
6. Go back up one level
   - `cd ..`
7. Start the CDROM mastering software:
   - `gear`
8. Make the virtual image:
   - `NEWVOL <vol-name> 74 ISO`

   The volume name cannot be more than 8 ASCI characters, f.ex SEST01. In our example the full command would be:
   - `NEWVOL SEST01 74 ISO`
9. Now copy the files to this virtual image
   - `CP -r <source-spec> <dest-spec>`
     in our example this would be:

    - CP -r sest12aug99 SEST01

    This will copy the files with the RockRidge standard with NO filename translation ie. can be perfectly read under Linux, Windows 98 and HP,....

10. Insert the blank CD in the writer

11. Write the image to the blank CDROM

    - WRITECD <volume-name>

    in our example this would be

    - WRITECD SEST01

    This will take 30 minutes for the writing and approximately 30 minutes for the verify process. The disc will be ejected when finished.

12. Check that you can read the CDROM

13. Delete all your traces ie. the subdir you created and the GEAR configuration files. In our case this would be:

    - 'rm' -r sest12aug99/ SEST* *TMP tape* *tmp

14. In the case of uncertainties there is a manual for the GEAR and you can also issue HELP for a general help and HELP <command> for help on a specific command (this is of course while running gear).