

Transferring Files

Please do all assignments using the basic Unix tools, such as Bourne shell, sed, awk, and other commands in the directories `/bin`, `/etc`, and `/sbin`. You are also allowed to use commands from `/usr/bin` and `/usr/sbin`. Make sure that your projects run on both Solaris (hoare/arch) and Linux (machines in lab) without any modification. Also, make sure that any output is nicely formatted.

1. As a system administrator, you have been tasked to find a solution to transfer large files out to field for deliverables. The problem is that the field computers have a floppy or a CD-ROM and your files are typically about 2 gigabytes in size. The computers that are supposed to receive the files are not accessible via network and hence, transfer over network is ruled out. You are not aware whether the files are ASCII or binary.

Investigate this problem and come up with a solution that will work on both floppy and CD-ROMs. You can assume that files have been appropriately compressed before they are handed over to you.

Your solution will entail creating media in the corporate office that can be given to staff in the field to get the original file back. Your solution should be fairly automated so that the average clerk in the headquarters can create the media.

The script should run on Solaris for sure. It will be better if it runs on Linux as well.

What to handin

Create your programs in a directory called `username.2` where `username` is your user name on hoare. Once you are done with everything, issue the following commands:

```
% cd
% ~sanjiv/bin/handin cs5780 2
```