Using the TQ tape driver in 2.11 BSD

Create a directory bsdtapes in your Raspbian home directory: mkdir bsdtapes cd bsdtapes Download "tapadd.pl" and "tapcat.pl" from the folder "tape" in this repository, and save them in "psdtapes". Go to the 211BDS directory: cd /opt/pidp11/systems/211bsd Make a backup of boot.ini: sudo cp boot.ini boot.ini.backup Edit boot.ini sudo nano boot.ini Add right after the line "set tg enabled" attach tq0 /home/pi/bsdtapes/tq0tape.tap Save and quit nano Restart simh with BSD so that it uses your new boot.ini Example: Backing up your BSD home directory on tape Login as a user and make sure you are in the home directory: cd Rewind the tape mt rewind Backup your home directory on tape tar cv . You are all done in BSD. Now open a terminal in Raspbian and go to the "bsdtapes" directory:

There should now be a tq0tape.tap file there. You can check it's size with

ls -l tq0tape.tap

cd

cd bsdtapes

The size should not be 0 if you have successfully written to that file in BSD.

If you want to look into that file in Raspbian, it needs to be converted. Type

./tapcat.pl tq0tape.tap 0 > tq0tape.tar

Now you can extract its content using

tar xvf tq0tapes.tar

Example 2: Transferring a file from Raspbian to BSD

In Raspbian, go to the bsdtapes directory and tar your file

cd
cd bsdtapes
sudo rm tq0tape.tap tq0tape.tar
tar cvf tq0tape.tar yourfilename

Convert it to BSD tape format:

./tapadd.pl tg0tape.tar tg0tape.tap

Restart simh with BSD. In BSD, load that tape with your file.

mt rewind tar xv

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