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Transfer.sh writeup

The transfer program is intended to transfer files out of the /home/pi/ and /home/pi/Programs/ directories and into the /tmp/experiment/ directory. This is a very simple program with a very important purpose. If to many files are stored in the /home/pi/ and /home/pi/Programs/ directories then the system will run out of storage.

Line by Line analysis:

Mkdir:

* This line creates the /tmp/experiment/ directory. It will return a warning if it already exists, but this can be ignored.

While loop:

* The loop should always return true, as variable a (which equals 0) should always be less than 100.
  + Can be simplified to “while TRUE”
* The transfer program moves the files without alteration from the /home/pi/ and /home/pi/Programs/ directories into the /tmp/experiment/ directory.
* It then writes the current time to its log file, and pauses for one second before restarting the loop.
* This program should never exit, as the a value should never increment.

This is a very simple little program. It should not be a source of troubles.