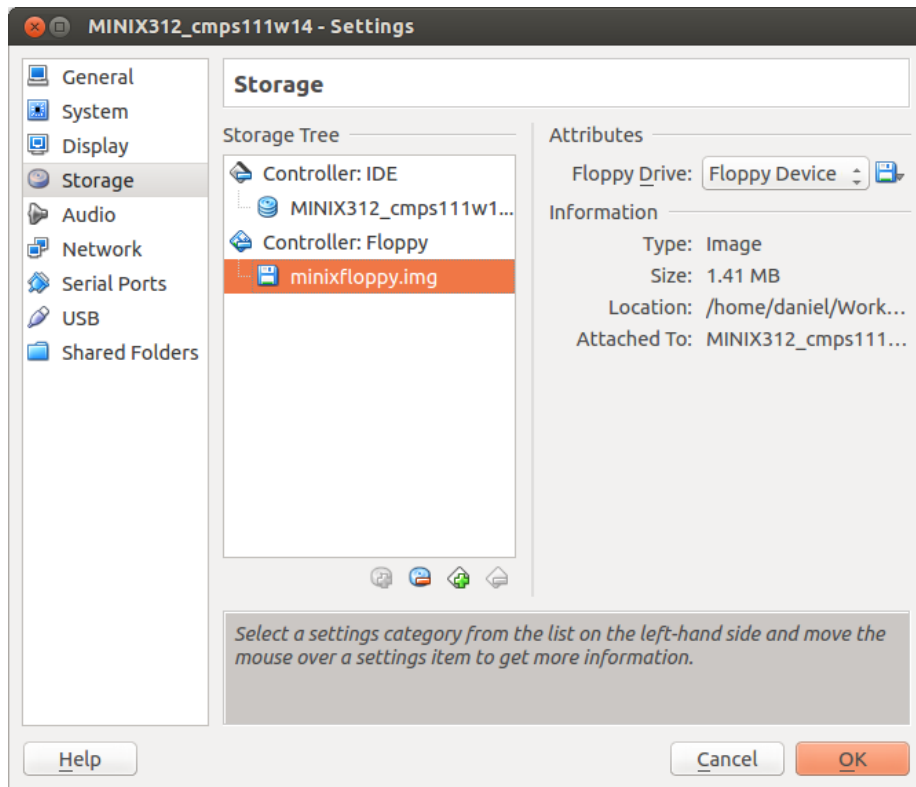# MINIX & mtools

Exchanging Data with the Host OS

MINIX 3.1.2 NIC drivers are broken

- You may be able to get networking with VMWare or QEMU, but not with VirtualBox
- Of course, that means no ssh or scp
- Instead, we'll use mtools (GNU MS-DOS tools) to exchange files between MINIX and the host OS

Attaching a floppy to the MINIX VM

- Create a floppy controller, if one doesn't exist
- Attach the floppy image as a drive under the controller

Using mtools in MINIX

- In general,
  `mtools <command> a:<filename>`
- To copy to floppy:
  `copy srcfile a:destfile`
- To copy from floppy:
  `mtools copy a:srcfile destfile`
- *Note: "a" refers to Floppy Device 0*

Using MINIX in a Linux host

- Install mtools
- To copy to floppy:
  ```
  mcopy -i /path/to/minixfloppyimage.img
  srcfile ::destfile
  ```
- To copy from floppy:
  ```
  mcopy -i /path/to/minixfloppyimage.img
  ::srcfile destfile
  ```