

**Exercise 42.1** Preparing to use Rescue/Recover Media

In the following exercises we are going to deliberately damage the system and then recover through the use of rescue media. Thus, it is obviously prudent to make sure you can indeed boot off the rescue media before you try anything more ambitious.

So first make sure you have rescue media, either a dedicated rescue/recovery image, or an install or Live image on either an optical disk or usb drive.

Boot off it and make sure you know how to force the system to boot off the rescue media (you are likely to have to fiddle with the **BIOS** settings), and when the system boots, choose rescue mode.

If you are using a virtual machine, the procedure is logically the same with two differences:

- Getting to the **BIOS** might be difficult depending on the hypervisor you use. Some of them require very rapid keystrokes, so read the documentation and make sure you know how to do it.
- You can use a physical optical disk or drive, making sure the virtual machine settings have it mounted, and if it is **USB** you may have some other hurdles to make sure the virtual machine can claim the physical device. It is usually easier to simply connect a `.iso` image file directly to the virtual machine.

If you are working with a virtual machine, obviously things are less dangerous, and if you are afraid of corrupting the system in an unfixable way, simply make a backup copy of the virtual machine image before you do these exercises, you can always replace the image with it later.

Do not do the following exercises unless you are sure you can boot your system off rescue/recovery media!