Exercise 42.5   Recovering Using the Install Image

1. This exercise has been specifically written for **Red Hat**-based systems. You should be able to easily construct the appropriate substitutions for other distribution families.

   Remove the **zsh** package (if it is installed!):

   ```
   $ yum remove zsh
   ```

   or

   ```
   $ rpm -e zsh
   ```

   Note we have chosen a package that generally has no dependencies to simplify matters. If you choose something that does, you will have to watch your step in the below so that anything else you remove you reinstall as needed as well.

2. Boot into the rescue environment.

3. Re-install (or install) **zsh** from within the rescue environment. First, mount the install media at `/mnt/source`:

   ```
   $ mount /dev/cdrom /mnt/source
   ```

   Then reinstall the package:

   ```
   $ rpm -ivh --force --root /mnt/sysimage /mnt/source/Packages/zsh*.rpm
   ```

   The `--force` option tells **rpm** to use the source directory in determining dependency information etc. Note that if the install image is much older than your system which has had many updates the whole procedure might collapse!

4. Exit and reboot.

5. Check that **zsh** has been reinstalled:

   ```
   $ rpm -q zsh
   zsh-5.0.2-7.el7.x86_64
   ```

6. ```
   $ zsh
   ....
   [coop@q7]/tmp/LFS201%
   ```