

Installing and Updating Software — Package Managers

 "Modern" way to package software for installation depends on "package manager" — something that keeps track of what's installed, what depends on what, etc. (Examples — Fedora has yum, Debian has apt-get.) Software packaged as, e.g., .rpm or .deb files.

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- If installing in "normal" system directories, and as root, probably best to take this approach.
- If you want to install in other directories (e.g., your home directory), or you don't have root access, some packages allow that, or you can (probably?) unpackage it Or there's the traditional UNIX approach ...



Installing and Updating Software — Installation from "Tarball"

- "Untar" the file (tar xf). Usually creates a directory, often containing README and/or INSTALL files which you should review.
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- Run configure script to set system-specific options. Usually figures most things out for itself, but may need/allow user input, either via command-line options or standard input.
- $\bullet\,$ Run <code>make</code> to compile, etc. Normally puts created files in the same directory.
- Run make install to move/copy executables, etc., to system directories. Notice that this is the only step that requires root privileges and only if installing in system directories.











Minute Essay

• None — sign in.

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