

### tar archives

tar xzf { source-code-archive.tgz }	extract a gzip-compressed file
tar xjf { source-code-archive.tar.bz2 }	extract a bz2-compressed file
tar cjf { compressed-archive.tar.bz2 } { directory-to-archive }	create a tar archive from the contents of a directory

### autotools

autoscan	Scans directory for source files to be used to build software
autoheader	Helps to manage C header files
aclocal	creates macros that help the other autotools
autoconf	Writes the "./configure" script
libtool	Sets up the build environment for application libraries
automake	Reads rules to create an all-purpose Makefile
autoreconf	A shortcut that sequentially runs the appropriate all previous autotools tools
./configure	setup the build scripts according the discovered environment
./configure --libdir=/usr/lib	set some important variables from the commandline without manually editing config files

### Manual Build

make	compile and link according to rules in Makefile
make install	put the built binaries and other software files into their runtime location

### RPM database queries

rpm -qa	Show all packages installed on the system
rpm -qi { packagename }	Show high-level information about an installed package
rpm -qf { filename }	Show which package owns filename
rpm -ql { packagename }	List the files controlled by a package
rpm -qlv { packagename }	Verbose listing of files

### RPM database queries (cont)

rpm -qlvc { packagename }	Verbose listing of only the configuration files
rpm -qlvd { packagename }	Verbose listing of only the documentation files
rpm -qV { packagename }	Verify the permissions of the controlled files
rpm -qVv { packagename }	Verify, verbosely

### RPM installation commands

rpm -i { filename.rpm }	Install the filename RPM package
rpm -Uvh { filename.rpm }	Update (will also install) the RPM package, verbosely, showing progress
rpm -Fvh { filename.rpm }	Freshen the RPM package, i.e.: update the installed software if the file contains a newer version/release of the package
rpm -U { http://some.website.com/filename.rpm }	Update a package using a URL
rpm -U --test { filename.rpm }	Test run of installation without actually installing anything
rpm -e { packagename }	Remove a package from the system
rpm -e --test { packagename }	Test the removal of a package without actually removing it

### RPM build

rpmbuild -bb { packagename.spec }	Build the standard package RPM file using the information contained in the specfile
rpmbuild -bs { packagename.spec }	Build only the source RPM
rpmbuild -ba { packagename.spec }	Build both the binary and source RPM



By **Craig Gardner**  
[cheatography.com/craig-gardner/](http://cheatography.com/craig-gardner/)

Published 29th October, 2015.  
 Last updated 29th October, 2015.  
 Page 1 of 1.

Sponsored by **CrosswordCheats.com**  
 Learn to solve cryptic crosswords!  
<http://crosswordcheats.com>