

# CheatSheet: Linux Compress And Decompress

## TOOLS

- PDF Link: [cheatsheet-archive-A4.pdf](#), Category: tools
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-archive-A4>
- Related posts: [Shell CheatSheet](#), [#denny-cheatsheets](#)

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## 1.1 Decompress

Name	Summary
Unpack *.tar	<code>tar -xvf ./file.tar</code>
Unpack *.tar.gz	<code>tar xvzf ./file.tar.gz</code>
Unpack *.rar	<code>unrar e ./file.rar</code>
Unpack *.zip	<code>unzip ./file.zip</code>
Unpack *.gz	<code>gunzip ./file.gz; gzip -d file.gz</code>
Unpack *.bz2	<code>tar -jxvf file.tar.bz2 -C /tmp/extract_here/</code>
Unpack *.7z	<code>7z e ./file.7z</code> install p7zip first
Unpack *.xz	<code>tar -xf ./file.tar.xz</code>
Unpack *.jar	<code>jar -xvf ./file.jar</code>
Unpack *.war	<code>jar -xvf ./file.war</code>
Unpack *.tgz	<code>tar -xf ./file.tgz</code>

## 1.2 Compress Common Format

Name	Command
Pack to *.tar	<code>tar -cvf ./file.tar &lt;dir_to_compress&gt;</code>
Pack to *.gz	<code>tar -zcvf ./newfile.tar.gz &lt;dir_to_compress&gt;</code>
Pack to *.tgz	<code>tar -cvzf backup.tgz *</code>
Pack to *.bz2	<code>tar -cvf ./file.tar.bz2 &lt;dir_to_compress&gt;</code>
Pack to *.zip	<code>zip -r ./file.zip &lt;dir_to_compress&gt;</code>

## 1.3 Advanced Usage

Name	Command
Pack with exclude	<code>tar --exclude "*.git*" -cvf file.tar &lt;dir_to_compress&gt;</code>
Remove a single file from tarball	<code>tar --delete -f file.tar file1.txt</code>
Add file to tarball. -r indicates append	<code>tar -rf file.tar file1.txt</code>

## 1.4 More Resources

<http://www.simplehelp.net/2008/12/15/how-to-create-and-extract-zip-tar-targz-and-tarbz2-files-in-linux>

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