# 1   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

File me Issues or star this repo.

## 1.1   Decompress

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

## 1.2   Compress Common Format

| Name | Command |
| --- | --- |
| Pack to *.tar | `tar -cvf ./file.tar <dir_to_compress>` |
| Pack to *.gz | `tar -zcvf ./newfile.tar.gz <dir_to_compress>` |
| Pack to *.tgz | `tar -cvzf backup.tgz *` |
| Pack to *.bz2 | `tar -cvf ./file.tar.bz2 <dir_to_compress>` |
| Pack to *.zip | `zip -r ./file.zip <dir_to_compress>` |

## 1.3   Advanced Usage

| Name | Command |
| --- | --- |
| Pack with exclude | `tar --exclude "*.git*" -cvf file.tar <dir_to_compress>` |
| Remove a single file from tarball | `tar --delete -f file.tar file1.txt` |
| Add file to tarball. -r indicates append | `tar -rf file.tar file1.txt` |

## 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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