

Archive listing

```
$ curl -Ls https://git.kernel.org/torvalds/t/linux-5.6-rc2.tar.gz |
> tar -tzvf - |
> head -10
drwxrwxr-x root/root          0 2020-02-16 23:16 linux-5.6-rc2/
-rw-rw-r-- root/root    15318 2020-02-16 23:16 linux-5.6-rc2/.clang-format
-rw-rw-r-- root/root      59 2020-02-16 23:16 linux-5.6-rc2/.cocciconfig
-rw-rw-r-- root/root      71 2020-02-16 23:16 linux-5.6-rc2/.get_maintainer.ignore
-rw-rw-r-- root/root      62 2020-02-16 23:16 linux-5.6-rc2/.gitattributes
-rw-rw-r-- root/root     1746 2020-02-16 23:16 linux-5.6-rc2/.gitignore
-rw-rw-r-- root/root    15196 2020-02-16 23:16 linux-5.6-rc2/.mailmap
-rw-rw-r-- root/root      423 2020-02-16 23:16 linux-5.6-rc2/COPYING
-rw-rw-r-- root/root   99631 2020-02-16 23:16 linux-5.6-rc2/CREDITS
drwxrwxr-x root/root          0 2020-02-16 23:16 linux-5.6-rc2/Documentation/
$
```

Extract files

```
$ curl -Ls https://git.kernel.org/torvalds/t/linux-5.6-rc2.tar.gz |
> tar -xzf -
$ ls
linux-5.6-rc2
$ du -sh linux-5.6-rc2
1.1G    linux-5.6-rc2/
$ ls linux-5.6-rc2
arch      CREDITS      fs           Kbuild      LICENSES    net          security    virt
block     crypto       include      Kconfig     MAINTAINERS README      sound
certs     Documentation init         kernel      Makefile    samples     tools
COPYING  drivers      ipc          lib          mm           scripts     usr
$
```

Create an archive

```
$ tar -cf share.tar /usr/share # Create archive from files
tar: Removing leading `/' from member names
$ tar -cf - /usr/share | # Create archive to stdout
> gzip -c >share.tar.gz # Compress
tar: Removing leading `/' from member names
$ ls -lh # See file size (in human-readable units)
total 342M
-rw-r--r-- 1 dds dds 342M Feb 20 15:34 share.tar.gz
$ du -sh /usr/share # Obtain directory size
911M    /usr/share
$ tar -czf share.tar.gz /usr/share # Shorthand for gzip compression
tar: Removing leading `/' from member names
$
```

Connect archive commands

```
$ ls /usr/share/dict
american-english      british-english-huge  words
american-english-huge README.select-wordlist words.pre-dictionaries-common
$ mkdir dict2
$ (
> cd /usr/share/dict
> tar -cf - .
> ) | (
> cd dict2
> tar -xf -
> )
$ ls dict2
american-english      british-english-huge  words
american-english-huge README.select-wordlist words.pre-dictionaries-common
$ tar -C /usr/share/dict -cf - . | tar -C dict2 -xf -
```

```
$
```

List library contents

```
$ ar tv /usr/lib/x86_64-linux-gnu/libc.a |
> head
rw-r--r-- 0/0 2232 Jan 1 02:00 1970 init-first.o
rw-r--r-- 0/0 7320 Jan 1 02:00 1970 libc-start.o
rw-r--r-- 0/0 1264 Jan 1 02:00 1970 sysdep.o
rw-r--r-- 0/0 2696 Jan 1 02:00 1970 version.o
rw-r--r-- 0/0 1880 Jan 1 02:00 1970 check_fds.o
rw-r--r-- 0/0 3552 Jan 1 02:00 1970 libc-tls.o
rw-r--r-- 0/0 2008 Jan 1 02:00 1970 elf-init.o
rw-r--r-- 0/0 1000 Jan 1 02:00 1970 dso_handle.o
rw-r--r-- 0/0 960 Jan 1 02:00 1970 errno.o
rw-r--r-- 0/0 1240 Jan 1 02:00 1970 errno-loc.o
$
```

List jar file contents

```
$ jar tvf /home/dds/hadoop-2.5.0/share/hadoop/tools/lib/junit-4.11.jar |
> head
 0 Wed Nov 14 20:21:28 EET 2012 META-INF/
103 Wed Nov 14 20:21:26 EET 2012 META-INF/MANIFEST.MF
 0 Wed Nov 14 20:21:24 EET 2012 junit/
 0 Wed Nov 14 20:21:26 EET 2012 junit/extensions/
 0 Wed Nov 14 20:21:26 EET 2012 junit/framework/
 0 Wed Nov 14 20:21:26 EET 2012 junit/runner/
 0 Wed Nov 14 20:21:26 EET 2012 junit/textui/
 0 Mon Jul 09 20:49:42 EEST 2012 org/
 0 Wed Nov 14 20:21:26 EET 2012 org/junit/
 0 Wed Nov 14 20:21:24 EET 2012 org/junit/experimental/
$
```

List zip file contents

```
$ unzip -v jpf/Calculator.zip |
> head
Archive: /home/android/tools/jpf/Calculator.zip
Length  Method      Size  Cmpr   Date   Time   CRC-32   Name
-----  -
 0      Stored      0     0%    2014-10-17 16:45 00000000 Calculator/
443     Defl:N      213   52%    2014-10-17 16:35 e17f3857 Calculator/.classpath
6148    Defl:N      426   93%    2014-10-19 22:08 435e8f03 Calculator/.DS_Store
 0      Stored      0     0%    2014-10-19 22:13 00000000 __MACOSX/
 0      Stored      0     0%    2014-10-19 22:13 00000000 __MACOSX/Calculator/
120     Defl:N      52    57%    2014-10-19 22:08 bcd719f4 __MACOSX/Calculator/._.DS_Store
369     Defl:N      189   49%    2014-10-17 16:31 5cef349a Calculator/.project
$
```

Compress data

```
$ ls -lh share.tar.gz
-rw-r--r-- 1 dds dds 538M Dec 18 06:39 share.tar.gz
$ gzip -dc <share.tar.gz | bzip2 -c >share.tar.bz2
$ ls -lh share.tar.bz2
-rw-r--r-- 1 dds dds 513M Dec 18 06:45 share.tar.bz2
$
```