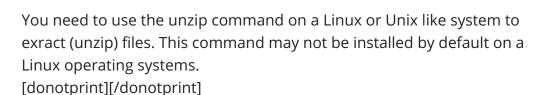
Howto Extract Zip Files in a Linux and Unix-like Systems

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I'm a new Linux system user. I've downloaded a file named data.zip from internal ftp server. How can I extract a zip file on a Linux or Unix based system using a command line options?





Install unzip command

First, open the terminal application. Next, use any one of the following command as per your Linux or Unix variant to install the unzip tool:

Debian/Ubuntu Linux user install unzip

The syntax is as follows using apt-get command:

sudo apt-get install unzip

CentOS/RHEL/Fedora Linux user install unzip

The syntax is as follows using:

How do I use unzip command on a Linux or Unix like systems?

The syntax is:

unzip zipfilename unzip zipfilename fileToExtract unzip [optionz] zipfilename

Extract a zip file named foo.zip

To use unzip to extract all members of the archive database.zip into the current directory and subdirectories below it, creating any subdirectories as necessary, type:

unzip database

OR

unzip database.zip

Another example:

```
unzip foo
OR
<pre
lang="bash"
>
unzip foo.zip
```

Sample outputs:

```
:Archive: foo.zip
 creating: etc/
 inflating: etc/afpovertcp.cfg
 inflating: etc/aliases
 creating: etc/apache2/
 creating: etc/apache2/extra/
 inflating: etc/apache2/extra/httpd-autoindex.conf
 inflating: etc/apache2/extra/httpd-dav.conf
 inflating: etc/apache2/extra/httpd-default.conf
 inflating: etc/apache2/extra/httpd-info.conf
 inflating: etc/apache2/extra/httpd-languages.conf
 inflating: etc/apache2/extra/httpd-manual.conf
 inflating: etc/apache2/extra/httpd-mpm.conf
 inflating: etc/sshd config
 inflating: etc/sshd config~previous
 inflating: etc/syslog.conf
 inflating: etc/ttys
extracting: etc/xtab
 inflating: etc/zshenv
```

To extract all python (*.py) files, enter:

```
unzip file.zip "*.py"
```

To extract all C source files "*.c", and "*.h" and a Makefile into the ~/projects/editor directory:

```
unzip source.zip "*.[ch]" Makefile -d ~/projects/editor
```

Extract all files except bar.txt from zipfile demo.zip

```
unzip demo.zip -x
bar.txt
```

Extract files into given directory

To extract files into /tmp/data instead of the default current directory, type:

```
unzip demo.zip -d /tmp/data
unzip demo.zip -d /tmp/data
pic1.jpg
```

Sample outputs:

```
Archive: demo.zip
    creating: ../ddd/etc/
inflating: ../ddd/etc/afpovertcp.cfg
inflating: ../ddd/etc/aliases
    creating: ../ddd/etc/apache2/
    creating: ../ddd/etc/apache2/extra/
inflating: ../ddd/etc/apache2/extra/httpd-autoindex.conf
inflating: ../ddd/etc/apache2/extra/httpd-dav.conf
inflating: ../ddd/etc/apache2/extra/httpd-default.conf
....
...
```

Forcefully overwrite existing files when unzip

```
unzip -o file.zip
unzip -o file.zip
data.jpg
```

The option will overwrite files WITHOUT prompting. Pass the option to never overwrite existing files:

```
unzip -n file.zip
unzip -n file.zip
data.jpg
```

List files stored in a zip file on screen

```
unzip -l file.zip
unzip -l file.zip |
more
unzip -l foo.zip
```

Sample outputs:

```
Archive: foo.zip
 Length Date Time Name
----- ---- ----
    0 04-24-15 13:08 etc/
   515 09-10-14 02:17 etc/afpovertcp.cfg
  9970 09-10-14 04:06 etc/aliases
    0 11-06-14 06:51 etc/apache2/
    0 09-10-14 03:39 etc/apache2/extra/
  2877 09-10-14 03:39 etc/apache2/extra/httpd-autoindex.conf
  1747 09-10-14 03:39 etc/apache2/extra/httpd-dav.conf
  2942 09-10-14 03:39 etc/apache2/extra/httpd-default.conf
  1119 09-10-14 03:39 etc/apache2/extra/httpd-info.conf
  5078 09-10-14 03:39 etc/apache2/extra/httpd-languages.conf
  1049 09-10-14 03:39 etc/apache2/extra/httpd-manual.conf
  4456 09-10-14 03:39 etc/apache2/extra/httpd-mpm.conf
  2216 09-10-14 03:39 etc/apache2/extra/httpd-multilang-errordoc.conf
  11406 09-10-14 03:39 etc/apache2/extra/httpd-ssl.conf
   607 09-10-14 03:39 etc/apache2/extra/httpd-userdir.conf
  1519 09-10-14 03:39 etc/apache2/extra/httpd-vhosts.conf
  3161 09-10-14 03:39 etc/apache2/extra/proxy-html.conf
  20786 09-10-14 03:41 etc/apache2/httpd.conf
   382 06-25-14 16:46 etc/ssh_host_rsa_key.pub
  4161 02-03-15 00:47 etc/sshd config
  4161 05-05-14 18:23 etc/sshd config~previous
    96 09-10-14 02:17 etc/syslog.conf
  1316 09-10-14 02:17 etc/ttys
    0 09-10-14 02:17 etc/xtab
   126 09-10-14 04:48 etc/zshenv
 2747844
                    281 files
```

Test or verify compressed archive data

```
unzip -t
foo
unzip -t
data.zip
```

```
Archive: data.zip
  testing: etc/
                           OK
  testing: etc/afpovertcp.cfg
                                OK
                             OK
  testing: etc/aliases
  testing: etc/apache2/
                               OK
  testing: etc/apache2/extra/
                                 OK
  testing: etc/apache2/extra/httpd-autoindex.conf OK
  testing: etc/apache2/extra/httpd-dav.conf OK
  testing: etc/apache2/extra/httpd-default.conf OK
  testing: etc/ssh_host_rsa_key.pub OK
  testing: etc/sshd_config
  testing: etc/sshd_config~previous OK
  testing: etc/syslog.conf
                               OK
  testing: etc/ttys
                            OK
  testing: etc/xtab
                             OK
                              OK
  testing: etc/zshenv
No errors detected in compressed data of data.zip.
```

See unzip command options

Type the following command:

u nz ip u nz ip -h

Sample outputs:

```
UnZip 5.52 of 28 February 2005, by Info-ZIP. Maintained by C. Spieler.
bug reports using http://www.info-zip.org/zip-bug.html; see README for
details.
Usage: unzip [-Z] [-opts[modifiers]] file[.zip] [list] [-x xlist] [-d exdir]
 Default action is to extract files in list, except those in xlist, to exdir;
 file[.zip] may be a wildcard. -Z => ZipInfo mode ("unzip -Z" for usage).
 -p extract files to pipe, no messages -l list files (short format)
 -f freshen existing files, create none -t test compressed archive data
 -u update files, create if necessary
-x exclude files that follow (in xlist) -d extract files into exdir
modifiers:
                                -q quiet mode (-qq => quieter)
 -n never overwrite existing files
                                       -a auto-convert any text files
 -o overwrite files WITHOUT prompting
                                           -aa treat ALL files as text
 -j junk paths (do not make directories) -v be verbose/print version
info
 -C match filenames case-insensitively -L make (some) names
lowercase
 -X restore UID/GID info
                                     -V retain VMS version numbers
 -K keep setuid/setgid/tacky permissions -M pipe through "more"
pager
Examples (see unzip.txt for more info):
 unzip data1 -x joe => extract all files except joe from zipfile data1.zip
 unzip -p foo | more => send contents of foo.zip via pipe into program
 unzip -fo foo ReadMe => quietly replace existing ReadMe if archive file
newer
```

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