

COMPRESSION

One can find compression quite useful, especially in case of work with raw data. This tutorial is intended for basic compression techniques (there is additional tip in Cplusplus repository for in-RAM compression). Generally it uses two packages 7za and pbzip2:

```
#sudo aptitude install pbzip2 p7zip-full
```

7za

1) 7za uses 7z compression algorithm. For making an archive from file1 and file2:

```
#7za a -t7z archiveName.7z file1 file2
```

2) decompression command is as follow:

```
#7za x archiveName.7z
```

3) compression directories with subdirectories:

```
#7za a -t7z -r archiveName.7z pathToDirectory1 pathToDirectory2
```

pbzip2

1) parallel files compression without deletion as a result files are compressed in bz2 format:

```
#pbzip2 -zk file1 file2
```

2) parallel decompression

```
#pbzip2 -d file1.bz2 file2.bz2
```