

13. Data Compression and Archiving

The modules described in this chapter support data compression with the `zlib`, `gzip`, `bzip2` and `lzma` algorithms, and the creation of ZIP- and tar-format archives. See also [Archiving operations](#) provided by the `shutil` module.

- [13.1. `zlib` — Compression compatible with **gzip**](#)
- [13.2. `gzip` — Support for **gzip** files](#)
 - [13.2.1. Examples of usage](#)
- [13.3. `bz2` — Support for **bzip2** compression](#)
 - [13.3.1. \(De\)compression of files](#)
 - [13.3.2. Incremental \(de\)compression](#)
 - [13.3.3. One-shot \(de\)compression](#)
- [13.4. `lzma` — Compression using the LZMA algorithm](#)
 - [13.4.1. Reading and writing compressed files](#)
 - [13.4.2. Compressing and decompressing data in memory](#)
 - [13.4.3. Miscellaneous](#)
 - [13.4.4. Specifying custom filter chains](#)
 - [13.4.5. Examples](#)
- [13.5. `zipfile` — Work with ZIP archives](#)
 - [13.5.1. `ZipFile` Objects](#)
 - [13.5.2. `PyZipFile` Objects](#)
 - [13.5.3. `ZipInfo` Objects](#)
 - [13.5.4. Command-Line Interface](#)
 - [13.5.4.1. Command-line options](#)
- [13.6. `tarfile` — Read and write tar archive files](#)
 - [13.6.1. `TarFile` Objects](#)
 - [13.6.2. `TarInfo` Objects](#)
 - [13.6.3. Command-Line Interface](#)
 - [13.6.3.1. Command-line options](#)
 - [13.6.4. Examples](#)
 - [13.6.5. Supported tar formats](#)
 - [13.6.6. Unicode issues](#)