

7. Binary Data Services

The modules described in this chapter provide some basic services operations for manipulation of binary data. Other operations on binary data, specifically in relation to file formats and network protocols, are described in the relevant sections.

Some libraries described under [Text Processing Services](#) also work with either ASCII-compatible binary formats (for example, [re](#)) or all binary data (for example, [difflib](#)).

In addition, see the documentation for Python's built-in binary data types in [Binary Sequence Types — bytes, bytearray, memoryview](#).

- [7.1. struct — Interpret bytes as packed binary data](#)
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 - [7.1.2.1. Byte Order, Size, and Alignment](#)
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- [7.2. codecs — Codec registry and base classes](#)
 - [7.2.1. Codec Base Classes](#)
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 - [7.2.2. Encodings and Unicode](#)
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 - [7.2.4.1. Text Encodings](#)
 - [7.2.4.2. Binary Transforms](#)
 - [7.2.4.3. Text Transforms](#)
 - [7.2.5. encodings.idna — Internationalized Domain Names in Applications](#)
 - [7.2.6. encodings.mbcx — Windows ANSI codepage](#)
 - [7.2.7. encodings.utf_8_sig — UTF-8 codec with BOM signature](#)