Enumeration

Algorithm

Algorithms used for compression or decompression.

iOS 13.0+ | iPadOS 13.0+ | Mac Catalyst | macOS 10.15+ | tvOS 13.0+ | visionOS | watchOS 6.0+

```
enum Algorithm
```

Topics

Enumeration Cases

`case brotli`

   The Brotli compression algorithm, which is recommended for text compression.

`case lz4`

   The LZ4 compression algorithm, which is recommended for fast compression.

`case lzbitmap`

   The LZBITMAP compression algorithm, which is designed to exploit the vector instruction set of current CPUs.

`case lzfse`

   The LZFSE compression algorithm, which is recommended for use on Apple platforms.

`case lzma`

   The LZMA compression algorithm, which is recommended for high-compression ratio.

`case zlib`

The zlib compression algorithm, which is recommended for cross-platform compression.

Relationships

Conforms To

```
CaseIterable
Copyable
Equatable
Hashable
RawRepresentable
```

See Also

Objects that simplify multiple-step compression

📄 Compressing and decompressing data with input and output filters

Compress and decompress streamed or from-memory data, using input and output filters.

{} Compressing and decompressing files with stream compression

Perform compression for all files and decompression for files with supported extension types.

class `InputFilter`

An encoder-decoder that reads input data from a stream.

class `OutputFilter`

An encoder-decoder that writes output data to a stream.

enum `FilterError`

Errors that occur during compression.

enum `FilterOperation`

Operations that define whether input and output filters compress or decompress data.