

# Package: lz4lite (via r-universe)

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**Type** Package

**Title** Extremely Fast Compression with LZ4

**Version** 0.2.0

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**Description** Extremely fast compression of R objects with LZ4.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Suggests** testthat

**Repository** <https://coolbutuseless.r-universe.dev>

**RemoteUrl** <https://github.com/coolbutuseless/lz4lite>

**RemoteRef** HEAD

**RemoteSha** 47337a3c6e27abf3cc457cb6af5592bbd0855c6f

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lz4_compress	<i>Compress a vector of raw, integer, real or logical values.</i>
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**Description**

Compress a vector of raw, integer, real or logical values.

Compress a vector of raw, integer, real or logical values.

**Usage**

```
lz4_compress(src, acceleration = 1)
```

```
lz4hc_compress(src, level = 9L)
```

```
lz4_compress(src, acceleration = 1)
```

```
lz4hc_compress(src, level = 9L)
```

**Arguments**

src	source vector containing data to be compressed. Data must be raw, integer, real or logical only.
acceleration	Acceleration, Default 1. Higher values run faster but with lower compression. This value is ignored if use_hc = TRUE
level	compression level for LZ4HC compression. default 9L. Valid range 3-12.

**Value**

raw vector of compressed data

raw vector of compressed data

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lz4_serialize	<i>Serialize arbitrary objects to a compressed stream of bytes using LZ4</i>
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**Description**

Serialize arbitrary objects to a compressed stream of bytes using LZ4

**Usage**

```
lz4_serialize(robject, acceleration = 1L)
```

```
lz4hc_serialize(robject, level = 9L)
```

```
lz4_unserialize(raw_vec)
```

**Arguments**

rojb	Any R object understood by <code>base::serialize()</code>
acceleration	Default: 50
level	compression level. Default: 9. Valid range 3-12
raw_vec	Raw vector containing a compressed serialized representation of an R object

**Value**

serialized representation compressed into a raw byte vector

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lz4_uncompress	<i>Uncompress a raw vector into the original data.</i>
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**Description**

The `src` vector must be a raw vector created by `lz4_compress` as it relies on the bespoke framing created there. This function will not decompress an object compressed with another LZ4 implementation e.g. `fst`

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**Usage**

```
lz4_uncompress(src)
```

```
lz4_uncompress(src)
```

**Arguments**

src	raw vector of compressed data
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**Value**

uncompressed vector

uncompressed vector

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