



LACSPACE

Developer Documentation

Utils Kit — the missing standard library

@lacspace/retry

Retry, timeout, circuit breaker

v1.0.0 · zero dependencies · isomorphic · generated 2026-09-01

Overview

Resilience for flaky calls: `retry()` with exponential backoff + full jitter (`shouldRetry/onRetry/AbortSignal`), `withTimeout()` that cancels slow work, and a `CircuitBreaker` that fails fast while a dependency is down then recovers. Wrap any fetch / DB / queue call.

NOTE

When to use — Wrapping flaky network, DB or queue calls so transient failures recover automatically instead of surfacing as errors.

Package: `@lacspace/retry` · v1.0.0

Kit: Utils Kit — the missing standard library

Runtime: zero dependencies · isomorphic

Install

```
npm i @lacspace/retry
```

Quick example

```
retry(() => fetch(url), { retries: 4 })
```

Returns: **`Promise<T>`**

Tips & warnings

TIP

`retry(fn, { retries, factor })` uses exponential backoff with full jitter to avoid thundering-herd retries.`

TIP

Use `shouldRetry` to retry only on transient errors (e.g. 5xx / network), not on 4xx.`

TIP

Wrap slow calls in `withTimeout()` and protect a failing dependency with `CircuitBreaker`.`

TIP

Zero-dependency and isomorphic — safe to import on the server, in the browser, on the edge and in React Native. It tree-shakes, so you only ship what you import.

WARNING

Only retry idempotent operations — retrying a non-idempotent POST can double-charge. Pair with `@lacspace/idempotency`.

Links & full reference

- npm: <https://www.npmjs.com/package/@lacspace/retry>
- Source & full README: <https://github.com/lacspace/npm-packages/tree/main/retry>
- Docs: lacspace.com/docs/retry

The npm page and GitHub README carry the complete API reference and more examples.