



LACSPACE

Developer Documentation

Security Kit — the seven layers, as code

@lacspace/password

Password hashing

v1.0.3 · zero dependencies · isomorphic · generated 2026-08-25

Overview

Hash & verify with PBKDF2-HMAC-SHA256 (600k iterations per OWASP) in a portable PHC string, constant-time verify, rehash detection and a strength estimator. Never store plaintext.

NOTE

When to use — Hashing and verifying user passwords with PBKDF2 (Web Crypto), no native modules.

Package: @lacspace/password · v1.0.3

Kit: Security Kit — the seven layers, as code

Runtime: zero dependencies · isomorphic

Install

```
npm i @lacspace/password
```

Quick example

```
await verify(input, storedHash)
```

Returns: **true / false**

Tips & warnings

TIP

`hashPassword()` embeds the salt and parameters in the output string, so `verifyPassword()` needs nothing else.

TIP

Pair with @lacspace/lock to throttle brute-force attempts.

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

Verification is intentionally slow (that's the point). Do it off the hot path and rate-limit login endpoints.

Links & full reference

- npm: <https://www.npmjs.com/package/@lacspace/password>

- Source & full README: <https://github.com/lacspace/npm-packages/tree/main/password>
- Docs: lacspace.com/docs/password

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

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