

[Apple CryptoKit](#) / [KEMPrivateKey](#) / `decapsulate(_:)`

Instance Method

decapsulate(_:)

Recover a shared secret from an encapsulated representation.

iOS 17.0+ | iPadOS 17.0+ | Mac Catalyst 17.0+ | macOS 14.0+ | tvOS 17.0+ | visionOS 1.0+ | watchOS 10.0+

```
func decapsulate(_ encapsulated: Data) throws -> SymmetricKey
```

Required

Parameters

encapsulated

The encapsulated shared secret that someone created using this key's [publicKey](#).

Return Value

The decapsulated shared secret.