

[Apple CryptoKit](#) / `HPKEDiffieHellmanPrivateKeyGeneration`

Protocol

HPKEDiffieHellmanPrivateKeyGeneration

A type that represents the generation of private keys in a Diffie-Hellman key exchange.

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

```
@preconcurrency
protocol HPKEDiffieHellmanPrivateKeyGeneration : HPKEDiffieHellmanPrivateKey
```

Topics

Initializers

`init()`

Creates a private key generator.

Required

Relationships

Inherits From

`DiffieHellmanKeyAgreement`

`HPKEDiffieHellmanPrivateKey`

`Sendable`

`SendableMetatype`

Conforming Types

Curve25519.KeyAgreement.PrivateKey

P256.KeyAgreement.PrivateKey

P384.KeyAgreement.PrivateKey

P521.KeyAgreement.PrivateKey