

[Apple CryptoKit / HPKEPublicKeySerialization](#)

Protocol

HPKEPublicKeySerialization

A type that [HPKE](#) uses to encode the public key.

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

```
@preconcurrency
protocol HPKEPublicKeySerialization : Sendable
```

Topics

Initializers

`init<D>(D, kem: HPKE.KEM) throws`

Creates a public key from an encoded representation.

Required

Instance Methods

`func hpkeRepresentation(kem: HPKE.KEM) throws -> Data`

Creates an encoded representation of the public key.

Required

Relationships

Inherits From

Sendable, SendableMetatype

Inherited By

HPKEDiffieHellmanPublicKey, HPKEKEMPublicKey

Conforming Types

Curve25519.KeyAgreement.PublicKey

P256.KeyAgreement.PublicKey

P384.KeyAgreement.PublicKey

P521.KeyAgreement.PublicKey

XWingMLKEM768X25519.PublicKey