Enumeration

SecureEnclave

A representation of a device's hardware-based key manager.

iOS 13.0+ | iPadOS 13.0+ | Mac Catalyst 13.0+ | macOS 10.15+ | tvOS 13.0+ | visionOS 1.0+ | watchOS 6.0+

```
enum SecureEnclave
```

Topics

Checking availability

`static var isAvailable: Bool`

 A Boolean value that indicates if the device supports Secure Enclave access.

Using the secure enclave

`enum P256`

 An elliptic curve that enables NIST P-256 signatures and key agreement within the Secure Enclave.

`enum MLKEM1024`

 An implementation of the MLKEM1024 key encapsulation mechanism that operates within the Secure Enclave.

`enum MLKEM768`

 An implementation of the MLKEM768 key encapsulation mechanism that operates within the Secure Enclave.

Enumerations

enum `MLDSA65`

enum `MLDSA87`

Relationships

Conforms To

`Sendable`, `SendableMetatype`

See Also

Public key cryptography

enum **Curve25519**

An elliptic curve that enables X25519 key agreement and Ed25519 signatures.

enum **P521**

An elliptic curve that enables NIST P-521 signatures and key agreement.

enum **P384**

An elliptic curve that enables NIST P-384 signatures and key agreement.

enum **P256**

An elliptic curve that enables NIST P-256 signatures and key agreement.

struct **SharedSecret**

A key agreement result from which you can derive a symmetric cryptographic key.

enum **HPKE**

A container for hybrid public key encryption (HPKE) operations.