Foundation / PropertyListDecoder

Class

PropertyListDecoder

An object that decodes instances of data types from a property list.

iOS 8.0+ | iPadOS 8.0+ | Mac Catalyst 8.0+ | macOS 10.10+ | tvOS 9.0+ | visionOS 1.0+ | watchOS 2.0+

```
class PropertyListDecoder
```

Topics

Decoding

```
init()
```

Creates a new, reusable property list decoder.

```
func decode<T>(T.Type, from: Data) throws -> T
```

Returns a value of the specified type by decoding a property list using the default property list format.

Customizing Decoding

```
func decode<T>(T.Type, from: Data, format: inout PropertyListDecoder.PropertyListFormat) throws -> T
```

Returns a value of the specified type by decoding a property list using the supplied format.

```
var userInfo: [CodingUserInfoKey : any Sendable]
```

A dictionary you use to customize decoding by providing contextual information.

Instance Methods

`func decode<T, C>(T.Type, from: Data, configuration: C.Type) throws -> T`

`func decode<T>(T.Type, from: Data, configuration: T.Decoding Configuration) throws -> T`

`func decode<T>(T.Type, from: Data, format: inout PropertyListDecoder. PropertyListFormat, configuration: T.DecodingConfiguration) throws -> T`

`func decode<T, C>(T.Type, from: Data, format: inout PropertyListDecoder .PropertyListFormat, configuration: C.Type) throws -> T`

Type Aliases

`typealias PropertyListFormat`

Relationships

Conforms To

```
Copyable
NetworkDecoder
Sendable
SendableMetatype
TopLevelDecoder
```

See Also

Property Lists

`class PropertyListEncoder`

An object that encodes instances of data types to a property list.

`class PropertyListSerialization`

An object that converts between a property list and one of several serialized representations.