

[Foundation](#) / PropertyListEncoder

Class

PropertyListEncoder

An object that encodes instances of data types to 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 PropertyListEncoder
```

Mentioned in

 [Encoding and Decoding Custom Types](#)

Topics

Encoding

`init()`

Creates a new, reusable property list encoder with the default formatting settings.

```
func encode<Value>(Value) throws -> Data
```

Returns a property list that represents an encoded version of the value you supply.

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

```
func encode<T>(T, configuration: T.EncodingConfiguration) throws ->  
Data
```

Customizing Encoding

```
var outputFormat: PropertyListDecoder.PropertyListFormat
```

A value that determines which property list format is used during encoding.

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

A dictionary you use to customize the encoding process by providing contextual information.

Relationships

Conforms To

Copyable

NetworkEncoder

Sendable

SendableMetatype

TopLevelEncoder

See Also

Property Lists

```
class PropertyListDecoder
```

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

```
class PropertyListSerialization
```

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