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## Protocol

# EncodableWithConfiguration

A protocol for types that support encoding when supplied with an additional configuration type.

iOS 15.0+ | iPadOS 15.0+ | Mac Catalyst 15.0+ | macOS 12.0+ | tvOS 15.0+ | visionOS 1.0+ | watchOS 8.0+

**protocol** EncodableWithConfiguration

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## Topics

### Encoding

```
func encode(to: any Encoder, configuration: Self.EncodingConfiguration)
throws
```

Encodes the value into the specified encoder with help from the provided configuration.

Required

### Supporting Types

`associatedtype` EncodingConfiguration

The type of the encoding configuration.

Required

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## Relationships

# Conforming Types

`AttributeContainer`

`AttributedString`

`Expression`

Conforms when each `Input` conforms to `Copyable`, each `Input` conforms to `Escapable`, `Output` conforms to `Copyable`, and `Output` conforms to `Escapable`.

`Predicate`

Conforms when each `Input` conforms to `Copyable` and `Escapable`.

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## See Also

### Serializing Arbitrary Payloads

`typealias CodableWithConfiguration`

A type that can convert itself into and out of an external representation with the help of a configuration that handles encoding contained types.

`struct CodableConfiguration`

A property wrapper that makes a type codable, by supplying a configuration that provides additional information for serialization.

`protocol DecodableWithConfiguration`

A protocol for types that support decoding when supplied with an additional configuration type.

`protocol DecodingConfigurationProviding`

A protocol whose conformers provide a configuration instance to help decode types that don't support encoding by themselves.

`protocol EncodingConfigurationProviding`

A protocol whose conformers provide a configuration instance to help encode types that don't support encoding by themselves.