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Protocol

ParseableFormatStyle

A type that can convert a given input data type into a representation in an output type.

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

```
protocol ParseableFormatStyle : FormatStyle
```

Topics

Declaring Parse Strategy

```
var parseStrategy: Self.Strategy
```

Required

```
associatedtype Strategy : ParseStrategy
```

Required

Type Properties

```
static var dateDateTime: Date.FormatStyle
```

```
static var http: Date.HTTPFormatStyle
```

```
static var http: DateComponents.HTTPFormatStyle
```

```
static var iso8601: Date.ISO8601FormatStyle
```

```
static var iso8601: DateComponents.ISO8601FormatStyle
```

```
static var number: Decimal.FormatStyle  
static var percent: Decimal.FormatStyle.Percent  
static var url: URL.FormatStyle
```

Type Methods

```
static func currency(code: String) -> Self
```

```
static func name(style: PersonNameComponents.FormatStyle.Style) -> Self
```

Relationships

Inherits From

Decodable
Encodable
Equatable
FormatStyle
Hashable

Conforming Types

Date.FormatStyle
Date.HTTPFormatStyle
Date.ISO8601FormatStyle
Date.VerbatimFormatStyle
DateComponents.HTTPFormatStyle
DateComponents.ISO8601FormatStyle
Decimal.FormatStyle
Decimal.FormatStyle.Currency
Decimal.FormatStyle.Percent
FloatingPointFormatStyle

Conforms when Value conforms to BinaryFloatingPoint.

FloatingPointFormatStyle.Currency

Conforms when Value conforms to BinaryFloatingPoint.

FloatingPointFormatStyle.Percent

Conforms when Value conforms to BinaryFloatingPoint.

`IntegerFormatStyle`

Conforms when `Value` conforms to `BinaryInteger`.

`IntegerFormatStyle.Currency`

Conforms when `Value` conforms to `BinaryInteger`.

`IntegerFormatStyle.Percent`

Conforms when `Value` conforms to `BinaryInteger`.

`PersonNameComponents.FormatStyle`

`URL.FormatStyle`

See Also

Data parsing in Swift

`protocol ParseStrategy`

A type that parses an input representation, such as a formatted string, into a provided data type.

`struct IntegerParseStrategy`

A parse strategy for creating integer values from formatted strings.

`struct FloatingPointParseStrategy`

A parse strategy for creating floating-point values from formatted strings.

`struct ParseStrategy`

A parse strategy for creating decimal values from formatted strings.