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API Collection

Dates and Times

Compare dates and times, and perform calendar and time zone calculations.

Topics

Date Representations

`struct Date`

A specific point in time, independent of any calendar or time zone.

`struct DateInterval`

The span of time between a specific start date and end date.

`typealias TimeInterval`

A number of seconds.

Calendrical Calculations

`struct DateComponents`

A date or time specified in terms of units (such as year, month, day, hour, and minute) to be evaluated in a calendar system and time zone.

`struct Calendar`

A definition of the relationships between calendar units and absolute points in time, providing features for calculation and comparison of dates.

`struct TimeZone`

Information about standard time conventions associated with a specific geopolitical region.

Date Formatting

`class DateFormatter`

A formatter that converts between dates and their textual representations.

`class DateComponentsFormatter`

A formatter that creates string representations of quantities of time.

`class DateIntervalFormatter`

A formatter that creates string representations of time intervals.

`class ISO8601DateFormatter`

A formatter that converts between dates and their ISO 8601 string representations.

Internationalization

`struct Locale`

Information about linguistic, cultural, and technological conventions for use in formatting data for presentation.

See Also

Fundamentals

☰ Numbers, Data, and Basic Values

Work with primitive values and other fundamental types used throughout Cocoa.

☰ Strings and Text

Create and process strings of Unicode characters, use regular expressions to find patterns, and perform natural language analysis of text.

☰ Collections

Use arrays, dictionaries, sets, and specialized collections to store and iterate groups of objects or values.

☰ Units and Measurement

Label numeric quantities with physical dimensions to allow locale-aware formatting and conversion between related units.

☰ Data Formatting

Convert numbers, dates, measurements, and other values to and from locale-aware string representations.

☰ Filters and Sorting

Use predicates, expressions, and sort descriptors to examine elements in collections and other services.