

[Contacts](#) / CNContactFormatter

Class

CNContactFormatter

An object that you use to format contact information before displaying it to the user.

iOS 9.0+ | iPadOS 9.0+ | Mac Catalyst 13.1+ | macOS 10.11+ | visionOS 1.0+ | watchOS 2.0+

```
class CNContactFormatter
```

Overview

A `CNContactFormatter` object handles international ordering and delimiting for the contact name components. When formatting many contacts, create an instance of this class and use the instance methods; otherwise use the class methods.

Topics

Creating a formatted attributed string

```
func attributedString(from: CNContact, defaultAttributes: [AnyHashable : Any]?) -> NSAttributedString?
```

Formats the contact name as an attributed string.

```
class func attributedString(from: CNContact, style: CNContactFormatter.Style, defaultAttributes: [AnyHashable : Any]?) -> NSAttributedString?
```

Formats the contact name as an attributed string.

Creating a formatted string

```
func string(from: CNContact) -> String?
```

Formats the contact name.

```
class func string(from: CNContact, style: CNContactFormatterStyle) -> String?
```

Returns the contact name, formatted with the specified formatter.

Specifying the formatting style

```
var style: CNContactFormatterStyle
```

The formatting style for the contact name.

```
enum CNContactFormatterStyle
```

The formatting styles for contact names.

Getting a descriptor

```
class func descriptorForRequiredKeys(for: CNContactFormatterStyle) -> any CNKeyDescriptor
```

Returns the required key descriptor for the specified formatting style of the contact.

```
class var descriptorForRequiredKeysForDelimiter: any CNKeyDescriptor
```

Returns the required key descriptor for the name delimiter.

```
class var descriptorForRequiredKeysForNameOrder: any CNKeyDescriptor
```

Returns the required key descriptor for the display name order.

Getting format information

```
class func delimiter(for: CNContact) -> String
```

Returns the delimiter to use between name components.

```
class func nameOrder(for: CNContact) -> CNContactDisplayNameOrder
```

Returns the display name order.

```
enum CNContactDisplayNameOrder
```

The formatting orders for contact names component.

Relationships

Inherits From

Formatter

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSCoding

NSCopying

NSObjectProtocol

NSSecureCoding

See Also

Formatters

`class` CNPostalAddressFormatter

An object that you use to format a contact's postal addresses.

`class` CNContactVCardSerialization

An object you use to convert to and from a vCard representation of the user's contacts.

`class` CNContactsUserDefaults

An object that defines the default options to use when displaying contacts.