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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: CNContactFormatterStyle, 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.

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# Relationships

## Inherits From

Formatter

## Conforms To

CVarArg  
CustomDebugStringConvertible  
CustomStringConvertible  
Equatable  
Hashable  
NSCoding  
NSCopying  
NSObjectProtocol  
NSSecureCoding

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## 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.