

[Foundation](#) / [ProgressReporting](#)

## Protocol

# ProgressReporting

An interface for objects that report progress using a single progress instance.

iOS 2.0+ | iPadOS 2.0+ | Mac Catalyst 13.0+ | macOS 10.0+ | tvOS 9.0+ | visionOS 1.0+ | watchOS 2.0+

```
protocol ProgressReporting : NSObjectProtocol
```

## Overview

Create the returned progress object using [ProgressReporting](#). The resulting object has no parent allowing the caller to add it to a progress tree using [ProgressReporting](#).

You can return a single progress object or a progress tree. If you are creating a progress tree, add the children to the returned progress object as described in [Reporting Progress for Multiple Operations](#).

You are responsible for setting and updating the [ProgressReporting](#) of any [Progress](#) object you create.

## Topics

### Custom Class Progress

```
var progress: Progress
```

The progress object returned by the class.

Required

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# Relationships

## Inherits From

`NSObjectProtocol`

## Conforming Types

`NSBundleResourceRequest`

`OperationQueue`

`URLSessionDataTask`

`URLSessionDownloadTask`

`URLSessionStreamTask`

`URLSessionTask`

`URLSessionUploadTask`

`URLSessionWebSocketTask`

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## See Also

## Progress

`class` `Progress`

An object that conveys ongoing progress to the user for a specified task.