

[Background Tasks](#) / BGTaskScheduler

Class

BGTaskScheduler

A class for scheduling tasks that add background support to your app's most critical work.

iOS 13.0+ | iPadOS 13.0+ | Mac Catalyst 13.1+ | tvOS 13.0+ | visionOS 1.0+

```
class BGTaskScheduler
```

Mentioned in

 [Performing long-running tasks on iOS and iPadOS](#)

Overview

Background tasks give your app a way to run code even when the app is suspended:

- To register, schedule, and run tasks in the background, see [Using background tasks to update your app](#).
- To submit work in the foreground that can finish even if the app moves to the background, see [Performing long-running tasks on iOS and iPadOS](#).

Topics

Getting the shared task scheduler

```
class var shared: BGTaskScheduler
```

The shared background task scheduler instance.

Checking task requirements

```
class var supportedResources: BGContinuedProcessingTaskRequest.  
Resources
```

Additional system resources that a continuous background task can request.

Scheduling a task

```
func register(forTaskWithIdentifier: String, using: dispatch_queue_t?,  
launchHandler: (BGTask) -> Void) -> Bool
```

Register a launch handler for the task with the associated identifier that's executed on the specified queue.

```
func submit(BGTaskRequest) throws
```

Submit a previously registered background task for execution.

Canceling a task

```
func cancel(taskRequestWithIdentifier: String)
```

Cancel a previously scheduled task request.

```
func cancelAllTaskRequests()
```

Cancel all scheduled task requests.

Getting all scheduled tasks

```
func getPendingTaskRequests(completionHandler: ([BGTaskRequest]) ->  
Void)
```

Request a list of unexecuted scheduled task requests.

Handling errors

```
struct Error
```

The Errors for the BGTaskSchedulerError domain.

```
enum Code
```

An enumeration of the task scheduling errors.

```
class let errorDomain: String
```

The background tasks error domain as a string.

Relationships

Inherits From

NSObject

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSObjectProtocol

See Also

Essentials



Background Tasks updates

Learn about important changes in Background Tasks.

```
class BGTask
```

An abstract class for the framework's tasks.