Instance Method

register(forTaskWithIdentifier:using: launchHandler:)

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

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

```swift
func register(
    forTaskWithIdentifier identifier: String,
    using queue: dispatch_queue_t?,
    launchHandler: @escaping (BGTask) -> Void
) -> Bool
```

Parameters

`identifier`

A string containing the identifier of the task.

`queue`

A queue for executing the task. Pass `nil` to use a default background queue.

`launchHandler`

The system runs the block of code for the launch handler when it launches the app in the background. The block takes a single parameter, a `BGTask` object used for assigning an expiration handler and for setting a completion status. The block has no return value.

Mentioned in

Return value

Returns <u>true</u> if the launch handler was registered. Returns <u>false</u> if the identifier isn't included in the <u>BGTaskSchedulerPermittedIdentifiers</u> Info.plist.

Discussion

Every identifier in the <u>BGTaskSchedulerPermittedIdentifiers</u> requires a handler. Registration of all launch handlers must be complete before the end of <u>applicationDidFinishLaunching(_:)</u>.

> **Important**
>
> Register each task identifier only once. The system kills the app on the second registration of the same task identifier.

See Also

Scheduling a task

`func submit(BGTaskRequest) throws`

Submit a previously registered background task for execution.