

[AlarmKit](#) / [AlarmManager](#) / `AlarmManager.AlarmConfiguration`

Structure

AlarmManager.AlarmConfiguration

An object that contains all the properties necessary to schedule an alarm.

iOS 26.0+ | iPadOS 26.0+

```
struct AlarmConfiguration<Metadata> where Metadata : AlarmMetadata
```

Overview

Pass the schedule or countdown and any attributes you define to the `AlarmConfiguration` for the system to schedule. You can pass in an optional secondary intent that the system executes when a person taps a secondary button. This is only available after first unlock. You can also include custom sounds for your alarm.

The following example configures an alarm with a countdown duration.

```
let configuration = AlarmManager.AlarmConfiguration(countdownDuration: Alarm.CountdownDuration.scheduledTime, schedule: nil, attributes: attributes, secondaryIntent: repeatIntent, alertConfiguration: AlertConfiguration(title: "Eggs are ready!", body: "Time to eat!"))
```

Topics

[Configuring a scheduled alarm](#)

```
static func alarm(schedule: Alarm.Schedule?, attributes: Alarm.Attributes<Metadata>, stopIntent: (any LiveActivityIntent)?, secondaryIntent: (any LiveActivityIntent)?, sound: AlertConfiguration.AlertSound) -> AlarmManager.AlarmConfiguration<Metadata>
```

Creates a configuration that behaves like a traditional alarm.

Configuring a countdown

```
init(countdownDuration: Alarm.CountdownDuration?, schedule: Alarm.Schedule?, attributes: AlarmAttributes<Metadata>, stopIntent: (any LiveActivityIntent)?, secondaryIntent: (any LiveActivityIntent)?, sound: AlertConfiguration.AlertSound)
```

Creates a configuration that behaves like a countdown.

```
static func timer(duration: TimeInterval, attributes: AlarmAttributes<Metadata>, stopIntent: (any LiveActivityIntent)?, secondaryIntent: (any LiveActivityIntent)?, sound: AlertConfiguration.AlertSound) -> AlarmManager.AlarmConfiguration<Metadata>
```

Creates a configuration that behaves like a traditional timer.

See Also

Scheduling an alarm

```
func schedule<Metadata>(id: Alarm.ID, configuration: AlarmManager.AlarmConfiguration<Metadata>) async throws -> Alarm
```

Schedules a new alarm.