

[Core Location](#) / Monitoring location changes with Core Location

## Sample Code

# Monitoring location changes with Core Location

Define boundaries and act on user location updates.

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iOS 18.0+ | iPadOS 18.0+ | Xcode 15.3+

## Overview

### Note

This sample code project is associated with WWDC24 session 10212: [What's new in location authorization](#) and WWDC23 session 10147: [Meet Core Location Monitor](#).

## Configure the sample code project

Before you run the sample code project in Xcode, ensure that you're using Xcode 16 or later and iOS 18 or later.

## See Also

### Essentials

 [Configuring your app to use location services](#)

Prepare your app to start collecting location data.



Supporting live updates in SwiftUI and Mac Catalyst apps

Enable background events by adding lifecycle event support.

`class CLLocationManager`

The object you use to start and stop the delivery of location-related events to your app.

`class CLBackgroundActivitySession`

An object that manages a visual indicator that keeps your app in use in the background, allowing it to receive updates or events.

`struct CLLocationUpdate`

A structure that contains the location information the framework delivers with each update.



Adopting live updates in Core Location

Simplify location delivery using asynchronous events in Swift.