

[Safari Services](#) / [Safari web extensions](#) / Adopting New Safari Web Extension APIs

Sample Code

Adopting New Safari Web Extension APIs

Improve your web extension in Safari with a non-persistent background page and new tab-override customization.

[Download](#)

iOS 15.0+ | iPadOS 15.0+ | macOS 10.14+ | Xcode 13.0+

Overview

Note

This sample code project is associated with WWDC21 sessions [10027: Explore Safari Web Extension Improvements](#); and [10104: Meet Safari Web Extensions on iOS](#).

Configure the Sample Code Project

Before you run the sample code project in Xcode:

On macOS:

1. Open Safari and choose Develop > Allow Unsigned Extensions.
2. In the project settings in Xcode, select the Sea Creator (macOS) target.
3. Click the Signing & Capabilities tab.
4. For Signing Certificate, choose Sign to Run Locally. (Leave Team set to None.)
5. Repeat steps 3 and 4 for the Sea Creator Extension (macOS) target.

On iOS, to run on a device:

1. In the project settings in Xcode, select the Sea Creator (iOS) target.
 2. Click the Signing & Capabilities tab.
 3. Select a development team.
 4. Repeat the above steps for the Sea Creator Extension (iOS) target.
-

See Also

Extension improvements



Optimizing your web extension for Safari

Support Dark Mode, reduce memory and power usage, and ensure feature compatibility to improve your web extension experience in Safari and web apps.



Syncing Safari web extensions across devices and platforms

Let users install your extension on one device and then use and manage the extension on all their other iOS and macOS devices.



Assessing your Safari web extension's browser compatibility

Review your Safari web extension implementation plan, manifest keys, and JavaScript API usage for compatibility with other browsers.



Troubleshooting your Safari web extension

Use developer resources to investigate and resolve common problems with Safari web extensions.