



BlackBerry Dynamics SDK for iOS

Release Notes

10.1

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BlackBerry Dynamics SDK for iOS version 10.1

What's new in the BlackBerry Dynamics SDK for iOS version 10.1

Changes to the SDK and software requirements

Feature	Description
Changes to support for cookies in WKWebView	<p>WKHTTPCookieStore is now fully supported in this release. If a developer sets or deletes cookies by using WKHTTPCookieStore methods, the changes will also be reflected on the SDK side.</p> <p>The behavior of nonPersistentDataStore is now the same as system behavior. If a developer creates a WKWebView class with a nonPersistentDataStore configuration, the SDK will keep cookies only while the application is running. After restarting the application, cookies will be deleted for the nonPersistentDataStore configuration. If a developer wants cookies to persist after restarting the app, they should use the defaultDataStore configuration for WKWebView.</p>
Changes to support for WKWebView cache	<p>Use of the cache is now enabled in this release of BlackBerry Dynamics SDK for iOS. The SDK uses the cache to search for valid cached data for resources loaded by WKWebView.</p>
SwiftUI sample app	<p>The new SwiftUI sample app pairs with Basic-iOS-Swift to provide examples of iOS apps before and after integrating with BlackBerry Dynamics SDK. The two samples demonstrate features commonly used in BlackBerry Dynamics apps, including secure file storage, secure database, and secure communication (HTTP/S and Socket).</p> <p>The app is available on GitHub: https://github.com/blackberry/BlackBerry-Dynamics-iOS-Samples/tree/master/Dynamics-SwiftUI-Sample</p>
Changes to Xcode templates from BlackBerry Dynamics frameworks	<p>Support for Xcode templates has been removed in this release. Developers should use the following sample apps from GitHub to integrate the BlackBerry Dynamics library using CocoaPods:</p> <ul style="list-style-type: none">• BlackBerry Dynamics sample app for iOS - SwiftUI• BlackBerry Dynamics sample app for iOS - Swift
JavaScript limitation	<p>If a web page uses any JavaScript WebSQL databases, JavaScript IndexedDB databases, or HTML local storage features, then they will be available for JavaScript while the app is running. When the app is restarted, these storages will be cleared and the JavaScript on the page will not find any previously set data.</p>

New administrative and security features

Feature	Description
Support for additional BlackBerry Protect Mobile features	This release includes support for new BlackBerry Protect Mobile features to detect insecure networks. An administrator enables this features using a BlackBerry Protect profile. For more information, see Protecting devices from network threats in the BlackBerry UEM Overview and Administration guide .

BlackBerry Dynamics Launcher Library

This release uses BlackBerry Dynamics Launcher Library version 3.3.1.304.

Fixed issues

The following issues are fixed in this release:

- An issue with caching criteria, which resulted in the wrong Kerberos ticket being sent in some cases, has been resolved. (FIRST-17590)

Known issues or limitations

- If a BlackBerry Dynamics app uses Kerberos authentication and the app tries to access a web page using an IP address, after the user enters their credentials, the web page does not load as expected and the user is prompted for their credentials again in a loop. (GD-54481)

Workaround: When developing BlackBerry Dynamics apps, do not hard code URLs that use IP addresses. If users can manually enter a URL, instruct users to avoid URLs that use an IP address.
- When an Apple M1 device user tries to remove a BlackBerry Dynamics app binary by moving it to the trash, the secure container is not removed from the device. (GD-53650)

Workaround: The user must delete the folder under ~/Library/Containers/BB_App_Name.
- If your project uses Xcode 12.x and you enable CLANG_WARN_QUOTED_INCLUDE_IN_FRAMEWORK_HEADER in the build settings, building a project with SDK headers results in several "double-quoted include, expected angle-bracketed" warnings. (GD-53017)

Workaround: In the build settings, disable CLANG_WARN_QUOTED_INCLUDE_IN_FRAMEWORK_HEADER.
- If your project uses Xcode 11.3.1, building your app will result in an "undef: __darwin_check_fd_set_overflow" linker error. (GD-52947)

Workaround: Update Xcode to version 11.7.x.
- Projects that you generate using the Xcode template do not include the required Certicom frameworks (BlackBerryCerticom.xcframework and BlackBerryCerticomSBGSE.xcframework). You need to add the frameworks manually. For instructions, see [Prepare an app to use the BlackBerry Dynamics SDK static framework](#) or [Configure a new or existing BlackBerry Dynamics app to use the dynamic framework](#). (GD-52168)
- The AppKinetics sample app no longer opens .doc or .docx files to WKWebView. You can instead use the SecureStore sample app to demonstrate this functionality. (GD-51719)
- When building the BlackBerry Dynamics SDK for iOS sample apps, warnings might display. This will be addressed in a future release. (GD-50104)
- If a user upgrades a BlackBerry Dynamics app that uses SDK version 9.x or earlier to a new version that uses SDK 10.1 or later, the app will not retain any cookies. (GD-55766)

Installing or upgrading the software

For complete installation instructions, upgrade guidance, and software requirements, see the [BlackBerry Dynamics SDK for iOS Development Guide](#).

Note: The BlackBerry Dynamics SDK for iOS 5.0 and later includes a compliance enhancement to protect against malicious attempts to add a debugger to deployed BlackBerry Dynamics apps. Your options for configuring this feature depend on the version of BlackBerry UEM and the BlackBerry Dynamics SDK. For more information, see [Configure compliance settings so you can debug your app](#) in the BlackBerry Dynamics SDK Development Guide.

Reference for all deprecated interfaces, classes, and methods

This document specifies the interfaces, classes, and methods that were deprecated in this release of the SDK. For a full list of all deprecated objects, view the [API reference for your platform](#) and open the deprecated list in the appendix.

You should plan to stop using any interfaces, classes, and methods that are included in the deprecated list.

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