



# **BlackBerry Dynamics SDK for iOS**

## **Release Notes**

11.0



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# BlackBerry Dynamics SDK for iOS version 11.0.1

## What's new in the BlackBerry Dynamics SDK for iOS version 11.0.1

Changes to the SDK and software requirements:

Feature	Description
Support for Xcode 14	Xcode 14 is supported in this release of BlackBerry Dynamics SDK for iOS for the following builds: <ul style="list-style-type: none"><li>• BlackBerry Dynamics dynamic framework: 11.0.1.151</li><li>• BlackBerry Dynamics static framework: 11.0.1.151</li><li>• BlackBerry Dynamics dynamic framework: 11.0.1.137</li><li>• BlackBerry Dynamics static framework: 11.0.1.136</li></ul>

## BlackBerry Dynamics Launcher Library

This release uses BlackBerry Dynamics Launcher Library version 3.5.0.328

## Fixed issues

The following issues are fixed in this release:

If a user copied text from a BlackBerry Dynamics app, the app would stop responding and would crash when the orientation was changed. (GD-59456)

## Known issues or limitations

If a user provisions a BlackBerry Dynamics app using biometric authentication (Touch ID or Face ID) while the **Permit fallback to device passcode if biometric authentication fails** policy is enabled, sends the app to the background, returns the app to the foreground, and selects **Don't Allow** at the Face ID prompt, the user will be forced to use the device passcode to unlock the container instead of the container password. The user will not be able to use the container password to unlock the app when it is sent to the background and returned to the foreground again.

**Workaround:** The user must restart the app to be able to use the container password. To re-enable Face ID authentication to the app, the user must go to Device Settings > Face ID and Passcode > Other Apps and enable Face ID for the app.

On iOS 16, dictation is still operational even if the **Do not allow iOS dictation** BlackBerry Dynamics profile setting is enabled. (GD-59536)

On iOS 16, if a user views a .pdf in web view and long presses on some text in the file, a second pasteboard will appear with the buttons **Look up**, **Translate**, and **Share**. The **Translate** and **share** buttons are not operational. The **Look up** button will display a preview, but it is not active and the user will not be able to navigate through it. (GD-58940)

If a BlackBerry Dynamics app uses the BlackBerry Dynamics static library, you will not be able to build that app on an Apple M1 simulator.

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)

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 to enter their credentials again in a loop. (GD-54481)

**Workaround:** When you develop 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`.

# BlackBerry Dynamics SDK for iOS version 11.0

## What's new in the BlackBerry Dynamics SDK for iOS version 11.0

Changes to the SDK and software requirements:

Feature	Description
iOS 16 readiness	iOS 16 is supported in this release of BlackBerry Dynamics SDK for iOS. During the easy activation process, users will receive an <b>Allow Paste</b> prompt when switching to authentication delegate if the app is using BlackBerry Dynamics SDK for iOS version 10.2 or 10.1. As a result, you must update BlackBerry Dynamics SDK for iOS to version 11.0 to avoid this usability issue.
Upcoming changes to BlackBerry Dynamics SDK for iOS static library support	Support for the BlackBerry Dynamics SDK for iOS static library will be deprecated in the 11.1 release and will no longer be available in a future release. At that time, BlackBerry Dynamics SDK for iOS will support the dynamic framework only. For more information, see <a href="#">Using the BlackBerry Dynamics SDK dynamic framework</a> .
WKWebView enhancements	The following WkWebView enhancements are new in this release of BlackBerry Dynamics SDK for iOS: <ul style="list-style-type: none"><li>• HTML5 persistent local storage is now supported.</li></ul>
Support for Apple Silicon M1 devices	The following are now supported in this release of BlackBerry Dynamics SDK for iOS: <ul style="list-style-type: none"><li>• BlackBerry Dynamics apps using SDK version 11.0 or later are supported for Apple Silicon devices. Previously, BlackBerry Dynamics apps were blocked on this device type.</li><li>• BlackBerry Dynamics apps running on Apple Silicon devices are reported as macOS apps in the UEM management console.</li><li>• UEM administrators can control access to BlackBerry Dynamics apps using the macOS compliance settings available in the management console.</li><li>• To support Easy Activation and authentication delegation, you will need to provide the macOS bundle ID for the app in the Apps settings in myAccount.</li><li>• iOSAppOnMac apps now have a <b>Reset User</b> button on the login screen. This allows users to delete the provisioned user and wipe the existing application data, but not delete the app or container directories. Users will receive a confirmation prompt to ensure they want to reset the user.</li></ul>
Third-party IDP activation enhancements	Users can now activate a BlackBerry Dynamics app through a third-party IDP, such as Active Directory or Okta. Users can also sign in using their organizational credentials if they need to reset their app password or if their app has been locked. If this feature is enabled by an administrator, users will not need to request an unlock code through UEM self-service or from their administrator.
Changes to Easy Activation on iOS 16	If a user is shown the password authentication screen during the Easy Activation process, the UI will now display the BlackBerry icon instead of the icon for the app that is requesting activation.

Feature	Description
Authentication enhancements	If a user's biometric authentication fails, they will be permitted to authenticate using their device passcode if the UEM policy <b>Permit fallback to device passcode if biometric authentication fails</b> is enabled by their UEM administrator.
Unsupported NSURLSession properties	The following NSURLSession properties are new in iOS 16 and are not yet supported by BlackBerry Dynamics SDK for iOS: <ul style="list-style-type: none"> <li>Class: NSMutableURLRequest <ul style="list-style-type: none"> <li>property: requiresDNSSECValidation</li> </ul> </li> <li>Class: NSURLSessionConfiguration <ul style="list-style-type: none"> <li>property: requiresDNSSECValidation</li> </ul> </li> </ul>
Apple Live Text limitations	The Apple Live Text APIs, introduced in iOS 16, allow apps to interact with text inside of images and perform an action on that text such as copy and paste. These APIs are not secured by BlackBerry Dynamics SDK for iOS and can not be limited by a DLP policy. As a result, BlackBerry recommends that you do not use the following APIs in your app: <ul style="list-style-type: none"> <li>ImageAnalyzer</li> <li>ImageAnalysis</li> <li>ImageAnalysisInteraction</li> <li>ImageAnalysisInteractionDelegate</li> </ul>

### BlackBerry Dynamics Launcher Library

This release uses BlackBerry Dynamics Launcher Library version 3.5.0.328

### Fixed issues

The following issues are fixed in this release:

An issue where BlackBerry Tasks or BlackBerry Notes would close when navigating to a different BlackBerry app from the BlackBerry Dynamics Launcher, has been resolved. (GD-59086)
An issue where the spacing between UI elements would change when the device would change from portrait to landscape mode, has been resolved. (GD-59083)
An issue where multiple credential prompts would display when setting up a Kerberos authentication method type test, has been resolved. (GD-59074)
An issue where the screen would continuously flash during the setup process on DEP devices has been resolved. (GD-58559)
An issue where a BlackBerry Dynamics app that used ASWebAuthenticationSession with a Kerberos, NTLM, Digest, or Basic URL, would receive a 401 status code and would not prompt the user to enter their sign in credentials, has been resolved. (GD-56706)

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# 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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