



BlackBerry Dynamics SDK for iOS

Release Notes

12.1

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BlackBerry Dynamics SDK for iOS version 12.1.1.43

What's new in the BlackBerry Dynamics SDK for iOS version 12.1.1.43

Changes to the SDK and software requirements:

Feature	Description
SSO for web authentication	You can now use Single Sign-On (SSO) with ASWebAuthenticationSession applications.
Screenshot prevention	<p>You can prevent users from taking screenshots across all the BlackBerry Dynamics apps using the new "Do not allow screenshots on iOS devices" BlackBerry Dynamics profile setting. If an app policy for screenshot prevention is defined, it will take priority and the profile setting will be ignored.</p> <p>If a device user tries to take a screenshot in a BlackBerry Dynamics app after this option is enabled, a blank image with the following message is saved instead: "Your organization prevents screenshots being taken within this app."</p> <p>This option is supported for BlackBerry Dynamics apps that use BlackBerry Dynamics SDK 12.1 and later, and replaces the iOS screen capture detection rule in compliance profiles. BlackBerry recommends using the new profile setting and disabling the compliance rule. The compliance rule will be deprecated in a future UEM release.</p> <p>For more information, see BlackBerry Dynamics profile settings in the UEM content.</p>
Support for Apple Watch	<p>This release adds support for Apple Watch.</p> <p>For more information, see the DynamicsWatch class in the BlackBerry Dynamics SDK for iOS API Reference.</p>
Support for CylancePROTECT Mobile insecure Wi-Fi access point detection for iOS	<p>UEM 12.20 adds support for a new CylancePROTECT Mobile feature, insecure Wi-Fi access point detection for iOS (see Protecting devices from network threats in the CylancePROTECT Mobile content). You can leverage this feature in your BlackBerry Dynamics apps.</p> <p>If you want to use the insecure Wi-Fi detection feature, you must add the Access Wi-Fi Information Entitlement to the app configuration (plist) of your BlackBerry Dynamics app, and the app must prompt the user to grant location permissions that are required for the insecure Wi-Fi feature to work. The BlackBerry Dynamics SDK cannot automatically prompt the user or grant location permissions for the device. The feature will not work if the user does not grant location permissions (UEM will report a compliance issue).</p>
BlackBerry Persona compatibility	The BlackBerry Dynamics SDK for iOS is no longer compatible with BlackBerry Persona. APIs related to BlackBerry Persona, such as BISThreatStatusAPI, have been removed.

BlackBerry Dynamics Launcher Library

This release uses BlackBerry Dynamics Launcher Library version 12.1.822.23.

Fixed issues

On devices running iOS 17, the dictation icon was not being removed from BlackBerry Work email fields (To, CC, BCC, and Subject) while the BlackBerry Dynamics dictation policy was turned on. (GD-62423)
On devices running iOS 17, if a user attempted to paste an image or GIF into a text field of a BlackBerry Dynamics app, the app would force shutdown. (GD-62422)
On devices running iOS 17, if a user was screen recording, the device might have failed to recognize a change in screen orientation on BlackBerry Dynamics apps. (GD-62310)
Autofill was available in the BlackBerry Dynamics UI and the placeholder text would still display after autofill. (GD-62208)
Users were unable to use the backspace or delete key on the email address text box after they clicked the back button on the Activation screen. (GD-62191)
On devices running iOS 17, users were able to insert password into the body of an email by using autofill. (GD-62161)
On devices running iOS 17, in some cases, if a user opened the docs section of the BlackBerry Dynamics Launcher on a BlackBerry Dynamics app, sent the app to the background, and returned it to the foreground, the app may have stopped responding. (GD-62135)
On devices running iOS 17, if a user entered a certificate password and then deleted the characters in the password field, the deleted characters would autofill in the password field when the user attempted to reenter the password. (GD-62133)
On devices running iOS 17, users were able to insert a contact number into the body of an email while the data leakage prevention policy was turned on. (GD-62050)

Known issues

On BlackBerry Access, users are able to take screenshots of videos playing in full screen mode even if the "iOS Screenshots Prevention" policy is enabled. (GD-64099)
On an Apple Watch, users are able to take screenshots of BlackBerry Work even if the "Do not allow screen captures on iOS devices" BlackBerry Dynamics profile setting is enabled. (GD-62706)
On devices running iOS 17, if a user attempts to copy text from a PDF in a WKWebView app, the user will not be able to copy the text as the prompt does not appear. (GD-62254)
When using NSURLSession for NTLM authentication, if the password includes a non-ASCII character (for example, "ä"), the authentication attempt will fail. (GD-61708)

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 is forced to use the device passcode to unlock the container instead of the container password. The user could not use the container password to unlock the app when it is sent to the background and returned to the foreground again. (GD-59075)

Workaround: The user must restart the app 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.

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.

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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