



BlackBerry Dynamics SDK for Android

Release Notes

10.0

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BlackBerry Dynamics SDK for Android version 10.0

What's new in the BlackBerry Dynamics SDK for Android version 10.0

Changes to the SDK and software requirements

Feature	Description
Support for Android 12	Android 12 is supported in this release. BlackBerry Dynamics apps can now target API level 31.
Integrate the SDK with a Maven repository	You can now use a remote Maven repository to integrate the SDK. It's a best practice to integrate the SDK using this new repository. For more information, see the Development Guide .
Removal of QUERY_ALL_PACKAGES permission	The QUERY_ALL_PACKAGES permission has been removed in this release. As a result, the Protect Mobile malware scanning and sideload detection features have been disabled. To include these features, developers must include the QUERY_ALL_PACKAGES permission in their Android manifest and request the required permission from Google when they submit their apps to the Google Play store.
Unsupported methods	Due to current data leakage prevention (DLP) controls, the setOnReceiveContentListener method is not supported in the following components and widgets: <ul style="list-style-type: none">• com.good.gd.widget.GDAutoCompleteTextView• com.good.gd.widget.GDEditText• com.good.gd.widget.GDMultiAutoCompleteTextView• com.good.gd.widget.GDSearchView• com.good.gd.widget.GDTextView• com.good.gd.widget.GDWebView• com.blackberry.bbwebview.BBWebView
CURL upgrade	In this release CURL has been upgraded to version 7.77.0.

BlackBerry Dynamics Launcher Library

This release uses BlackBerry Dynamics Launcher Library version 3.3.0.215.

Fixed issues

The following issues are fixed in this release:

- Error handling has been improved for QR code activation. (FIRST-17678)
- If an administrator configured a BlackBerry Dynamics profile to require the UEM Client to serve as an authentication delegate for other BlackBerry Dynamics apps, the user would receive a notification explaining this requirement if they tried to activate a BlackBerry Dynamics app without having the UEM Client installed on their device. In this release, the same notification also displays if the UEM Client is installed but not activated. (GD-56528)

Known issues

- If you use direct references to the BlackBerry Dynamics SDK .aar files in your build.gradle repositories (for example, `compile(name:'android_handheld_platform-8.1.0.57', ext:'aar')`) instead of using Maven linkage (for example, `api "com.blackberry.blackberrydynamics:android_handheld_platform:8.1.0.57"`), errors may occur in the AndroidManifest file in the Gradle caches directory. To resolve, use Maven linkage or specify `android_handheld_resources` and `android_handheld_platform` in the build.gradle file.
- The Android certificate import API for the BlackBerry Dynamics SDK is no longer supported. BlackBerry recommends using certificates from the Android Native Keystore if it is acceptable that the key material is protected by the device and not by BlackBerry Dynamics.
- If a user is prompted to activate a BlackBerry Dynamics app using their password for another BlackBerry Dynamics app that they have previously activated (also known as Easy Activation), then cancels out of the prompt, the lock screen for the previously activated app displays instead of the screen to enter their activation credentials. (GD-56598)
- If "Allow Android biometric authentication" is enabled in the BlackBerry Dynamics profile, when the user activates a BlackBerry Dynamics app on an Android 12 emulator, fingerprint authentication fails for the app with the error message "Internal error: Retry or restart". (GD-56289)
- If you configured the BlackBerry Dynamics profile to require users to enter their password when a BlackBerry Dynamics app returns to the foreground, on Android 12 devices, this functionality does not work as expected (the app does not prompt the user for their password when it returns to the foreground). (GD-56162)
- If a user with Android 11 or later is activating a BlackBerry Dynamics app using a QR code and selects the "Only this time" option when prompted to grant permissions, certificate import issues might occur if the app remains in the background for longer than one minute during the import process. BlackBerry recommends that users select the "While using the app" option when prompted. (GD-54972)

Workaround: Instruct users to force close the app and open it again.

- 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.

- If an app tries to open a BlackBerry Dynamics app that was not already open using [AppKinetics](#), the BlackBerry Dynamics app might not come to the foreground. (GD-54205)

Workaround: The user can start the BlackBerry Dynamics app and leave it running in the background before performing the AppKinetics operation.

Installing or upgrading the software

For complete installation instructions, upgrade guidance, and software requirements, see the [BlackBerry Dynamics SDK for Android Development Guide](#). The Development Guide also provides instructions for implementing the SDK libraries as .aar files that can be published to an internal repository.

If you installed the SDK using Android Studio SDK manager and you made changes to the sample apps, the update might override the sample apps, discarding your changes.

Note: The BlackBerry Dynamics SDK for Android 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 (if any). 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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