



BlackBerry UEM

Critical Issue Advisory

BlackBerry Dynamics SDK apps require a newer version of the SDK to support iOS 13 and Android 10

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BlackBerry Dynamics SDK apps require a newer version of the SDK to support iOS 13 and Android 10

Summary

When Apple releases iOS 13 and Google releases Android 10 later in 2019, several major changes will be introduced in terms of how BlackBerry Dynamics apps (for example, Easy Activation, Authentication Delegation, Sending files, Launcher workflows, etc.) interoperate and communicate with each other.

Impact

- **Apple iOS 13 Devices:** Apps built with the BlackBerry Dynamics SDK v.6.0.1.x or earlier will be able to interoperate only if they are signed by the same Apple Developer Program account. This means that if your organization uses internally developed BlackBerry Dynamics apps or you are an ISV partner, your BlackBerry Dynamics apps must be rebuilt with BlackBerry Dynamics SDK v6.1.0.x for iOS 13 that supports interoperability with apps published by BlackBerry or other vendors.

These changes are applicable only to users who are running devices on iOS 13. BlackBerry Dynamics SDK v6.1.0.x will NOT be backwards compatible with earlier SDKs. However, apps built with BlackBerry Dynamics SDK v6.1.0.x will run on earlier versions of iOS. For users who are running on iOS 12, all the interoperability scenarios should continue to work as normal.

- **Google Android 10 Devices:** Due to new Android 10 restrictions to background activity starts, services that leverage AppKinetics (also known as Inter-Container Communication or ICC) such as Launcher can be impacted. If a device is upgraded to Android 10, and the device has a mix of older apps (compiled with SDK v.6.0.0.x and earlier) and newer apps (compiled with SDK v.6.0.1.x), some features and workflows may not work correctly and the user may see an error message with a prompt to upgrade.

These changes are applicable only to users who are running devices on Android 10. BlackBerry Dynamics SDK v6.0.1.x WILL be backwards compatible with earlier SDKs. Apps built with BlackBerry Dynamics SDK v6.0.1.x will run on earlier versions of Android OS. For users who are running Android 9, all the interoperability scenarios should continue to work as normal.

Recommendation

Prepare for the release of the latest BlackBerry Dynamics SDK in the upcoming months ahead of iOS 13 and Android 10 to ensure your internal development teams and partners are aware that BlackBerry Dynamics apps must be rebuilt.

Resolution

BlackBerry will be releasing new BlackBerry Dynamics SDK versions to support iOS 13 and Android 10, which requires developers to rebuild their BlackBerry Dynamics apps with the following minimum versions:

- BlackBerry Dynamics SDK for Android v.6.0.1
- BlackBerry Dynamics SDK for iOS v.6.1
- BlackBerry Dynamics SDK for Cordova v.6.0
- BlackBerry Dynamics SDK for Xamarin.Forms/Bindings v.6.0

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