

# Release Notes - EMDK for Android v4.1

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## Important News

Please note that the EMDK for Android version 4.x is the next evolution of the DataCapture SDK. While the DataCapture SDK was not explicitly named “EMDK”, this initially released version is considered the EMDK for Android v1.0. The EMDK for Android version 4.x contains all of the EMDK for Android v1.0 functionality (Intent APIs), and reinforces our commitment in supporting development using the standard Android Intent inter-application messaging system. As devices continue to progress, the EMDK for Android will provide access to those new capabilities through our Profile Manager and APIs, including Intents.

The EMDK for Android v4.x provides developers with a comprehensive set of tools to easily create powerful line of business applications for enterprise mobility devices and is designed for use with Google Android SDK and Android Developer Tools (ADT). The EMDK for Android includes class libraries, sample applications with source code, as well as all of the associated documentation to help your applications take full advantage of what our devices have to offer. It also includes an exclusive Profile Manager Technology within the Android Studio IDE and Eclipse IDE, providing a GUI based development tool. This allows you to write fewer lines of code resulting in reduced development time, effort and errors.

Applications accessing EMDK for Android v4.x APIs are required to use the “com.symbol.emdk” package. However, applications using DataCapture intents delivered by EMDK for Android v1.0 must continue to use the “com.motorolasolutions.emdk.datawedge” package.

**The Eclipse Android Developer Tools have been officially deprecated:** Google has announced the termination of support for ADT/Eclipse for Android development by the end of 2015. From 2016 onwards, Android Studio will be the only tool supported by Google for Android development. In line with this announcement, EMDK for Android will also be deprecating support for ADT/Eclipse development in a future release. It is strongly recommended that all the existing Eclipse and ADT projects are migrated to Android Studio as soon as possible. Please refer to the Google documentation [Migrating to Android Studio](#) for an overview of the migration process.

The [EMDK for Android Help](#) documentation is now available only online. The EMDK installation will no longer install the documentation on the development PC. A link to the online documentation is provided with the EMDK installer.

The [EMDK Samples](#) are now available online for downloading to the PC. The EMDK installation will no longer install the samples on the development PC. A link to the online samples is provided with the EMDK installer.

## Introduction

The EMDK for Android provides developers with the tools necessary for creating applications that target the enterprise mobility 'Android' libraries, such as Barcode and SimulScan. This developer kit is designed for use with Android Studio or Android Developer Tools (ADT)/Eclipse.

## Description

1. Added support for TC8000 KitKat (Android 4.4.3) devices.
2. Added support for the MX v5.1 in the Profile Manager:
  - o UI Manager
    - Added new feature to set the language to localize the device to match the preferred language of the intended Device User.
    - Added new feature to specify whether the pull down of the Notification Panel will be allowed or not.
    - Added new feature to specify whether the icon to invoke Settings from the Notification Panel will be shown or not.
  - o App Manager - Added new feature to launch an application by specifying only the application name.
  - o Hosts Manager - Added new feature to set the device host name to identify device both locally and within any DNS-enabled IP-based network.
  - o Bluetooth Manager - Added new feature to specify whether to allow new pairing.
  - o Analytics Manager - Updates to Analytic feature.
3. Fixed: EMDKService crash with continuous camera scanning.
4. Fixed: EMDK Serial Comm API exception being displayed in logcat messages.

## Device Compatibility

This software release has been approved for use with the following devices.

Device	Android Jelly Bean	Android KitKat
MC18		*
MC32N0	*	
MC40	*	*
MC67	*	
MC92		*
TC55	*	*
TC70		*
TC75		*
TC8000		*

## Installation Requirements

The following software must be installed prior to using the EMDK for Android.

- Microsoft® Windows 7 (32-bit and 64-bit) or Microsoft® Windows 8 (32-bit and 64-bit) or Microsoft® Windows 8.1 (32-bit and 64-bit)
- [Java Development Kit \(JDK\)](#) v7u45 or higher
- [Android Developer Tools \(ADT\)](#) v22.3.0-887826 or higher. Remember the “ADT Installation” folder for later use.
- Close Android Studio or Eclipse sessions if already running.

**Note:** The Android 4.1.2 (API 16) package must be installed in the development environment in order to target EMDK 4.1 (API 16) add-on and the Android 4.4.2 (API 19) package must be installed in the development environment in order to target EMDK 4.1 (API 19) add-on. In addition to API platforms the Android SDK Build-tools rev.21.1.x must be downloaded and installed.

## Usage Notes

None.

## Known Issues

None.

## Part Number and Release Date

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