

HERE Android SDK

Release Notes

Starter Edition Version 3.1.1

The logo for HERE, consisting of the word "here" in a bold, blue, lowercase sans-serif font, tilted at an angle.

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Document Information

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Overview

The HERE Android SDK offers APIs to enable developers to access HERE location-based assets and bring a rich and immersive location experience to their applications with beautiful and accurate maps, a global database of Places and a world-class routing capability. The powerful client-side HERE APIs for Android include a sophisticated engine for rendering map data and route calculation. In addition to downloading map data dynamically as needed, it also supports offline maps through use of previously cached map data or previously downloaded map packages.

The scope of this document is to provide the release notes of the HERE Android SDK, with respect to a particular release version. It also includes the issues reported, open and solved within this release.

Target Audience

This document is targeted at the developers who are already familiar with Android app development. Readers should have some experience with the Java programming language and the Android Studio development environment.

Release Content

Native APIs	Enabling native applications to leverage HERE functionality
Hybrid Engine	Engine responsible for rendering vector map data
Documentation	API Reference Documentation and Developer Guide
Sample Applications / Code	One or more sample applications

Package Description

HERE Android SDK Starter Edition v3.1.1 Release Notes.pdf	This document
Here-sdk.zip	HERE Android SDK
HERE-sdk.zip/apk/mapsdemo-ext-release.apk	Reference maps application using the HERE Android SDK
HERE-sdk.zip/libs	Native and Java libraries
HERE-sdk.zip/libs/docs	API Reference documentation
HERE-sdk.zip/tutorial	Sample applications to be used with the Quick Start section in the Developer's Guide
HERE-sdk.zip/user-guide/HERE Android SDK Starter Edition v3.1.1 Developer's Guide.pdf	HERE Android SDK Developer's Guide

Feature List

The main features offered by the HERE Android SDK are listed below.

- **Note** The HERE Android SDK is designed for standalone Android APK development. Using the HERE SDK for platform-embedded app development (apps that ship with the device ROM) is not supported.

Mapping:

- Dynamically download maps for more than 190 countries in over 60 languages
- Map styles: normal street map, satellite map, transit map, and more
- Touch gestures (including pan, flick, and pinch zoom)
- Overlay objects on the map such as polylines, polygons, icons, and routes
- Overlay custom raster tiles on the map (for example, to display heat maps)
- Ability to render raster tiles and map objects interleaved within different map layers

Search:

- Search through a broad set of geographical content, including various streets, address points, and categorized places across the globe
- Search for a specific place or explore by categories
- Access rich details for a Point of Interest from 3rd party content sources (including images, ratings, reviews, and editorials)
- Perform geocoding and reverse geocoding lookups

Directions:

- Get driving or pedestrian directions
- Specify preferred route type (fastest/shortest) and attributes to avoid (toll roads, motorways, parks, and more)
- Alternate routes

Getting Started

Please refer to the documentation under the `HERE-sdk.zip/user-guide/` folder for details on how to start using the HERE Android SDK.

New Features

HERE SDK 3.1.1

- No new features were added in this release.

API Changes, Fixed Issues, and Improvements

Version 3.1.1

- Added support for Android Target API Level 23.
- Changed supported minimum API Level to Level 15.

Version 3.1

- No API changes were introduced in this release.

System Requirements

- Android 4.0.3 "Ice Cream Sandwich" (API Level 15) or higher as the application Minimum API Level (`android:minSdkVersion`).
 - 32MB of memory (RAM) be made available for foreground applications using the HERE SDK
 - For storage of application binaries, an additional 1MB for the HERE SDK libraries if bundled with the application should be taken into account
 - Mass storage is required for persistent storage of map data. At a minimum, 3.5MB of free space is required to be available for map data
- 📖 **Note** HERE Android SDK does not support x86 Android devices or emulators. It is recommended that testing is performed on ARM-based devices.

Copyright Information

- **Note** Developers using the HERE Android SDK in their application projects must embed the following legal text from a user-accessible area of their application. This text is also available as a separate file in the HERE SDK package.

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```
*****
* analytics-android 0.6.10
*****
```

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