

HERE Android SDK

Release Notes

Premium Edition Version 3.2.2

The logo consists of the word "here" in a bold, blue, lowercase sans-serif font, rotated diagonally counter-clockwise.

Important Information

Notices

Topics:

- [Legal Notices](#)
- [Document Information](#)

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Chapter 1

Overview

Topics:

- [Highlights](#)

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.

Highlights

For a list of the new features in this release, see [New Features](#) on page 9 .

For details about the issues fixed in this release, see [Resolved Issues](#) on page 10.

Chapter 2

Changes

Topics:

- [New Features](#)
- [Functional and Behavioral ...](#)
- [Resolved Issues](#)
- [API Changes](#)
- [Known Issues](#)
- [Limitations and Workaround...](#)

This section documents major changes to the release that may require the updating of affected applications and/or associated map data.

For product changes in previous releases, see the relevant chapters in these documents: [HERE Android SDK - Premium Edition Release Notes](#)

New Features

The following list contains new features in the current release of the HERE Android SDK:

HERE SDK 3.2.2

- Added support for Android 7.0 Nougat.
- Starting in this release, HERE Positioning is no longer considered beta. The release package also includes the Indoor Positioning Installation Guide, Indoor Radio Mapper app, Indoor Radio Mapper User Guide, and Indoor Radio Mapper Release Notes.
- For debugging purposes only, added the ability to log positions as GPX files that can be replayed by the HERE SDK.
- Added dynamic venue styles. You can set space names, icons, fill color, and outline color by using this feature.
- Added support for offline truck routing.
- Expanded Custom Location Extensions 2 with new search types.
- Added the ability to retrieve side-of-the-road information about a route waypoint.
- You can now use Makani codes in free text query Geocode requests.
- You can now retrieve the time zone information about a Place that was returned from an online geocoding request.
- Added support for Platform Data Extensions (PDE) to access a wide range of HERE data.

Functional and Behavioral Changes

The following table contains descriptions of added or changed functionality and changes in product behavior.

Table 1: Functional and Behavioral Changes

#	Description
1	We updated the internal implementation of our Camera APIs.
2	We updated the HERE SDK sample apps to use <code>targetSdkVersion 23</code> .
3	We update the HERE Android SDK to use the new HERE logo.

For added and improved functionality in previous releases, see the relevant chapters in these documents: [HERE Android SDK - Premium Edition Developer's Guide](#)

Resolved Issues

The following table summarizes major issues resolved in HERE Android SDK.

Table 2: Resolved Issues

#	Issue	Solution
1	The map cannot be rendered if HERE SDK does not have the offline maps business feature enabled.	The map now correctly renders under this scenario.
2	Under certain circumstances during traffic-enabled navigation, the HERE SDK becomes unresponsive when the user zooms in or out of a map.	This issue is now fixed and no longer occurs.
3	In some cases, the Positioning Manager can become sluggish or unresponsive.	This issue is now fixed in the Positioning Manager.
4	<code>GeoBoundingBox.resizeToCenter</code> is not working properly in some cases when the top-left point latitude is identical to the center point latitude.	The issue causing this error is fixed in this release.
5	Tunnel extrapolation may unexpectedly change its status when a position is received during extrapolation.	We have improved how tunnel extrapolation handles this type of scenario.
6	In the case where multiple <code>MapView</code> objects exist, setting a <code>null Map</code> can still unexpectedly cause rendering and GPU calculations to occur.	Setting <code>Map</code> to <code>null</code> now properly releases the object.
7	Map data cannot be downloaded automatically without panning after network connection is reestablished	The map now refreshes after connectivity is restored.
8	Certain public transit routes in Finland are not shown on the map when the app is set to offline.	This issue is fixed. The map now shows these routes properly.
9	During tunnel extrapolation, when the GPS signal is lost, speed warnings are played even if the speed is lower than the speed limit.	Speed warnings are no longer played during tunnel extrapolation.
10	In some cases, the HERE SDK provides no voice feedback when you cancel and then start a new guidance navigation session.	Voice guidance can be heard normally during navigation sessions.

API Changes

Added

- `com.here.android.mpa.pde`
- `ARController.getPreviewSizes()`
- `GeoPolyline.getAllPoints()`
- `PositioningManager.setLogType()`
- `PositioningManager.getLogType()`
- `PositionSimulator`
- `CLE2AttributeRequest`
- `CLE2BoundingBoxRequest`
- `CLE2CorridorRequest`
- `CLE2MultiPolygonGeometry`
- `CLE2MultiPolylineGeometry`
- `CLE2PolygonGeometry`
- `CLE2PolylineGeometry`
- `CLE2QuadkeyRequest`
- `CLE2Request.setGeometry(CLE2GeometryType)`
- `MapGesture.addOnGestureListener(OnGestureListener, int, boolean)`
- `RouteWaypoint.getRoadInfo()`
- `RouteWaypoint.RoadInfo`
- `Location.getTimeZone()`
- `StyleSettings`
- `VenueController.getStyleSettings()`
- `VenueController.setStyleSettings(StyleSettings, Space)`
- `CLE2AttributeRequest`
- `CLE2BoundingBoxRequest`
- `CLE2CorridorRequest`
- `CLE2PolygonGeometry`
- `CLE2PolylineGeometry`
- `CLE2QuadkeyRequest`

Deprecated

- `MapActivity` - Use `MapFragment` instead.
- `ARController.getSupportedSizes()` - Use `getPreviewSizes()` instead.

- `CLE2MultiPointGeometry.setMultiPoint()`
- `CLE2PointGeometry.setPoint()`
- `MapGesture.addOnGestureListener(OnGestureListener)`

For API changes in previous releases, see the relevant chapters in these documents: [HERE Android SDK - Premium Edition Release Notes](#)

Known Issues

The following list contains issues known to be present in the current release of the HERE Android SDK.

- Devices using the MediaTek MT65XX chipset family have a known GPU shader error where rendering extruded buildings causes random color flickers. Turn off extruded building rendering on these devices. For more information, see `Map.setExtrudedBuildingsVisible(false)`.
- There is a known issue Android 6.0 that causes the `MapOffscreenRenderer` to fail on devices that use the Qualcomm 800 chipset, such as the Nexus 5.
- `RouteManager/CoreRouter.cancel()` - For `RouteManager` and `CoreRouter`, the `cancel` function will not work when a route is calculated with `TransportMode#PUBLIC_TRANSPORT`. Use the new Urban Mobility feature for public transit routing (see `UMRouter`).
- Due to an issue with the Nexus 6P GPU drivers, an error can occur when the map is zoomed out to the lowest zoom level.

Limitations and Workarounds

This section lists known limitations and, if available, related workarounds in the current release.

Table 3: Limitations and Workarounds

#	Limitation	Workaround
1	On Android 4.2 or earlier devices, zooming out to the lowest level, where the Globe is visible, can cause the map to freeze.	Use Android 4.3 or higher devices to avoid this behavior.

Chapter 3

Package Information

Topics:

- [Release Content](#)
- [Package Description](#)
- [Getting Started](#)

This chapter contains information on the package delivery, the package contents, the dependencies and installation guide.

Release Content

Native APIs	Enabling native applications to leverage HERE functionality
Documentation	API Reference Documentation and Developer Guide
Sample Applications / Code	One or more sample applications

Package Description

HERE Android SDK Premium Edition v3.2.2 Release Notes.pdf	This document
Here-sdk.zip	HERE Android SDK
HERE-sdk.zip/HERE-sdk/libs	Native and Java libraries
HERE-sdk.zip/HERE-sdk/libs/docs	API Reference documentation
HERE-sdk.zip/HERE-sdk/tutorial	Sample applications to be used with the Quick Start section in the Developer's Guide
HERE-sdk.zip/HERE-sdk/user-guide/HERE Android SDK Premium Edition v3.2.2 Developer's Guide.pdf	HERE Android SDK Developer's Guide
HERE-sdk.zip/HERE-sdk/misc/	Contains a sample Voice Skin file to be used with the Voice Navigation feature
HERE-sdk.zip/Indoor-Positioning-Solution/here_indoor_radio_mapper-4.1.apk	HERE Indoor Radio Mapper Android app
HERE-sdk.zip/Indoor-Positioning-Solution/docs/Indoor Positioning v1.0 Installation Guide.pdf	Instructions on how to set up an Indoor Positioning environment
HERE-sdk.zip/Indoor-Positioning-Solution/docs/Indoor Radio Mapper v4.1 Release Notes.pdf	Release Notes about the Indoor Radio Mapper app
HERE-sdk.zip/Indoor-Positioning-Solution/docs/Indoor Radio Mapper v4.1 User Guide.pdf	Instructions on how to use the Indoor Radio Mapper app to create indoor maps that can be used with HERE Positioning

Getting Started

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

Appendix

A

Appendix

Topics:

- [System Requirements](#)
- [Copyright Information](#)

This appendix contains topics other than immediately regarding changes and issues in the release such as release overview, technical specifications, dependencies, 3rd party copyright notices, release quality and related documents.

System Requirements

- Android 4.0.3 "Ice Cream Sandwich" (API Level 15) or higher as the application Minimum API Level (`android:minSdkVersion`).
 - 60MB of memory (RAM) be made available for foreground applications using the HERE SDK
 - For storage of application binaries, an additional ~20MB 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, 50MB 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.

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Mesa 3-D graphics library
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Even Rouault       - ZIP64 unzip Support  
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=== UTF8-cpp 2.3.4 ==

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=== Zlib 1.2.8 ==

zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

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=== GSON 2.2.4 ===

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