



HERE Android SDK

Release Notes

Premium Edition Version 3.11

Important Information

Notices

Topics:

This section contains document notices.

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

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Document Information

Product

Name: HERE Android SDK

Version: Premium Edition Version 3.11

Document

Name: HERE Android SDK Release Notes

ID: 6818a694-db06-4854-be0f-68810733ca03

Status: FINAL

Date: 2019-Mar-22, 12:54 (GMT)

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Chapter 1

Overview

Topics:

- [Highlights](#)

This document provides a summary of important changes for this version. Apart from newly resolved issues and added or improved functionality, this document also includes information about known issues remaining in this release as well as any existing limitations and workarounds.

Highlights

The following highlights give a short summary of the most important changes, added functionality, and improvements:

- Introduced new matching logic for waypoints
- Implemented Turn-by-Turn guidance for truck routes
- Decreased map data usage when Traffic is on
- Implemented avoidance of odd/even and time-dependent environmental zones
- For a list of all new features in this release, see [New Features](#) on page 9

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 HERE Android SDK:

HERE SDK 3.11

- Implemented Turn-by-Turn guidance for truck routes in online and offline modes
- Enhanced difficult turns avoidance for trucks by excluding sharp turns from a route
- Implemented avoidance of odd/even and time-dependent environmental zones
- Added possibility to enable/disable map matching in PositioningManager
- Added possibility to specify padding around the edges of the map. The map will continue to fill the entire container but object positioning, map transformation, and camera movements will behave as if it has been placed in a smaller space
- Introduced fuzzy matching logic that allows the creation of an optimal route that passes over a waypoint within the specified radius. This might be useful when a waypoint is only known approximately (e.g. Drag-and-drop, estimated coordinates)
- Introduced junction snapping logic that allows moving a waypoint onto the junction within the specified radius. It allows eliminating short maneuvers, e.g. "Turn left and follow for 3m"
- Introduced selective matching logic that allows moving a waypoint to a segment that is visible on the lowest zoom level within the specified radius. Selective matching behavior is useful for Drag-and-drop and snapping to more important streets
- Added new API that allows customizing text color for maneuver enumeration

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	Default radius for traffic requests was decreased to 5km (previous 10km).

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

#	Description
1	Fixed crash on zoom when traffic is enabled.

#	Description
2	Fixed crash in gesture engine.
3	Fixed issue with Lane information shown in the wrong way.
4	Improved performance on map gestures when raster tiles are used.
5	Fixed issue with show content field in search results.
6	Fixed issue with disabling of roadsignIcon layer when Map route is added.
7	Fixed issue with visibility of venue position indicator through floors.
8	Fixed issue with partially installed voice instructions.
9	Fixed wrong language issue in signposts label information.
10	Fixed issue with strange routes in offline mode.
11	Fixed strange polyline behavior with set altitude values.
12	Fixed Graph Disconnected issue when via point has the wrong direction.
13	Fixed Graph Disconnected error in offline routing.
14	Fixed crash when starting SDK with incorrect credentials.
15	Fixed map flickering issue when using map overlays.
16	Fixed mismatch between map bounding box and bounding box value after zooming.

API Changes

Added

- `GeocodeRequest` class
- `Map.getPadding`
- `Map.setPadding`
- `MapOverlay.isManualRefresh`
- `MapOverlay.refresh`
- `MapOverlay.setManualRefresh`
- `MapPackage.SelectableDataGroup#ScooterAttributes`
- `MapRoute.getManeuverNumberColor`
- `MapRoute.setManeuverNumberColor`
- `PositioningManager.isMapMatchingEnabled`
- `PositioningManager.setMapMatchingEnabled`
- `ReverseGeocodeRequest` class
- `RouteOptions.getLocale`
- `RouteOptions.setLocale`
- `RouteOptions.getLicensePlateLastCharacter`
- `RouteOptions.setLicensePlateLastCharacter`
- `RouteWaypoint.getFuzzyMatchingRadius`
- `RouteWaypoint.getJunctionSnappingRadius`
- `RouteWaypoint.getSelectiveMatchingRadius`
- `RouteWaypoint.setFuzzyMatchingRadius`

► Changes

- `RouteWaypoint.setJunctionSnappingRadius`
- `RouteWaypoint.setSelectiveMatchingRadius`
- `SearchRequest.addContent`
- `StatusListener.onWifiIndoorPositioningDegraded`
- `StatusListenerAdapter.onWifiIndoorPositioningDegraded`
- `VenueMapLayer.isFloorChangingAnimationEnabled`
- `VenueMapLayer.setFloorChangingAnimation`
- `VenueNavigationManager.getVenue`

Deprecated

- `GeocodeRequest2` class
- `StatusListener.onWifiIndoorPositioningNotAvailable`
- `StatusListenerAdapter.onWifiIndoorPositioningNotAvailable`
- `ReverseGeocodeRequest2` class

Removed

- `NavigationManager.getTtsOutputFormat`
- `NavigationManager.getVoiceSkin`
- `NavigationManager.isManeuverVoiceoverEnabled`
- `NavigationManager.isTtsLanguageAvailable`
- `NavigationManager.setManeuverVoiceoverEnabled`
- `NavigationManager.setTtsOutputFormat`
- `NavigationManager.setVoiceSkin`
- `VenueController.getModelScale`
- `VenueController.getNormalGeoCoordinate`
- `VenueController.getScaledGeoCoordinate`
- `VenueController.useVenueZoom`
- `VenueGestureListener` class
- `VenueLayerAdapter.addVenueZoomListener`
- `VenueLayerAdapter.removeListener`
- `VenueMapLayer.addVenueZoomListener`
- `VenueMapLayer.removeVenueZoomListener`
- `VenueZoomUpdateListener` class

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

Known Issues

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

- Online and offline Place search results may differ when both an explicit search center and an implicit viewport are sent.

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.
2	Users may encounter map loading issues on Samsung devices that have Power Saving mode enabled. A blank map may appear instead.	To avoid this issue, your app needs to be whitelisted from Power Saving mode under Settings > Battery .

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 Application	Sample application project

Package Description

HERE Android SDK Premium Edition v3.11 Release Notes.pdf	This document
Here-sdk.zip	HERE Android SDK
copyright.txt	Copyright and licensing text for the HERE Android SDK. A copy of this text is also available in the Release Notes.
version.txt	Version information about the HERE Android SDK.
HERE-sdk.zip/HERE-sdk/libs	Native and Java libraries
HERE-sdk.zip/HERE-sdk/libs/docs/mapsdoc	API Reference documentation
HERE-sdk.zip/HERE-sdk/tutorial	Sample application 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 v3.11 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

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

Other Information

Topics:

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

This appendix contains other information about the release such as release overview, technical specifications, dependencies, 3rd party copyright notices, release quality and related documents.

System Requirements

HERE Android SDK is designed and tested with Android phones and tablets in mind. SDK performance will vary between devices, since it is primarily determined by CPU, GPU, and display resolution. Currently, Nexus 5 is a suitable reference for a device which delivers acceptable SDK performance. If your target device is not a phone or tablet, see [Service Support](#) to contact us for more details .

- Android 4.1.x "Jelly Bean" (API Level 16) or higher as the application Minimum API Level (`android:minSdkVersion`).
 - Apps should be developed using Android Studio 2.3.2 or above.
 - For apps that implement basic use cases such as map rendering, search, and routing, a minimum of 60MB of memory (RAM) is recommended to be available. More complex use cases, such as turn-by-turn navigation, require more memory.
 - For the storage of application binaries, an additional 25MB for the HERE SDK libraries, if bundled with the application, should be taken into account.
 - For storage of map data, a minimum of 50MB should be made available.
 - Data connectivity (WiFi or Cellular) is required to download map data and ensure map data is updated when new versions are made available.
- 📄 **Note:** HERE Android SDK does not support x86 Android and x86_64 devices. x86 emulators are supported. It is recommended that testing is performed on ARM and ARM64 devices.

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- 📄 **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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=== libJSON 7.6.1 ===

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=== LZ4 r126 ===

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=== malloc_count ===

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Even Rouault - ZIP64 unzip Support
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Mathias Svensson - ZIP64 zip support
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=== uriparse 0.7.5 ===

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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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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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Original code by Lee Thomason (www.grinninglizard.com)

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