

HERE iOS SDK

Release Notes

Premium Edition Version 3.2.2



Important Information

Notices

Topics:

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

This section contains document notices.

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Chapter 1

Overview

Topics:

- [Highlights](#)

The HERE iOS 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 iOS 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 iOS SDK.

Highlights

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

- For a list of 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 iOS SDK - Premium Edition Release Notes](#)

New Features

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

HERE SDK 3.2.2

- Added support for iOS 10 and new iPhone devices.
- 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.
- 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.
- The HERE SDK now supports Bitcode by default.
- 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 removed the requirement to add the <code>NSAllowsArbitraryLoads</code> App Transport Security exception.
2	We update the HERE iOS SDK to use the new HERE logo.

For added and improved functionality in previous releases, see the relevant chapters in these documents: <http://developer.here.com/documentation/versions#ios-hybrid-plus>

Resolved Issues

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

Table 2: Resolved Issues

#	Issue	Solution
1	Abnormal memory consumption occurs if route navigation runs for more than 30 minutes.	A memory leak was discovered and it is now fixed in this release.
2	Higher than expected CPU usage occurs after running LiveSight.	We discovered that LiveSight did not always stop properly. This is now fixed in this release.
3	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.
4	The route is not shown properly on certain Hybrid map schemes when the route result count is more than 1.	This is fixed, and the route results are now shown properly.
5	During navigation, route recalculation can fail to trigger and route info can stop updating after the HERE SDK app comes back ground the background.	This issue is resolved, and the rerouting is now triggered correctly.
6	Multiple route calculations that are launched in parallel are not calculated in parallel.	Simultaneous route calculations are now performed in parallel as expected.
7	In some cases, a crash can occur when the <code>NMAMapView</code> is destroyed while it is rendering the satellite view.	This issue has been fixed and the crash no longer occurs.
8	The <code>englishTitle</code> property cannot be retrieved from <code>NMAMapPackage</code> .	
9	On iPhone 4S or iPhone 5, the sky is rendered incorrectly as a set of broken tiles. This is visible when the user tilts the map to a lower angle.	This issue is fixed, and the sky now appears blue as normal on those devices.
10	Map data cannot be downloaded automatically without panning after network connection is reestablished	The map now refreshes after connectivity is restored.
11	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.
12	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.

#	Issue	Solution
13	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

- `NMAPositioningManager logType`
- `NMACLE2GeometryPolygon outerRing`
- `NMACLE2GeometryPolygon innerRings`
- `NMACLE2GeometryMultiPolygon multiPolygonArray`
- `NMACLE2GeometryPolyline geoPolyline`
- `NMACLE2GeometryMultiPolyline multiPolylineArray`
- `NMACLE2AttributeRequest`
- `NMACLE2BoundingBoxRequest`
- `NMACLE2CorridorRequest`
- `NMACLE2QuadkeyRequest`
- `NMAMapView maximumZoomLevel`
- `NMAMapLoaderResultInsufficientStorage`
- `NMAWaypointRoadInfo`
- `NMARoadSide`
- `NMAWaypoint roadInfo`
- `NMAUrbanMobilityRouteSection timeUncertain`
- `NMAVenue3dController getStyleSettingsForSpace`
- `NMAVenue3dController setStyleSettings:forSpace:`
- `NMAVenue3dStyleSettings`
- `NMAPlaceLocation timeZone`

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

Known Issues

- A nil image and an error is returned when you use HERE Places images while [App Transport Security](#) is enabled. To get around this issue, add the following exception to your Info.plist:

```
<key>nokia.com</key>
<dict>
  <key>NSExceptionRequiresForwardSecrecy</key>
  <false/>
  <key>NSIncludesSubdomains</key>
  <true/>
</dict>
```

- `NMACompositeView` - The camera view may become distorted when the device orientation switches repeatedly, or if the orientation is changed from its previous state before the app comes to the foreground.

Limitations and Workarounds

There are no limitations and workarounds in this release.

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	Sample applications in Objective C

Package Description

<code>/docs</code>	API Reference documentation
<code>/sample-apps</code>	Sample applications to be used with the Quick Start section in the Developer's Guide
<code>/user-guide/HERE iOS SDK Premium Edition v3.2.2 Developer's Guide.pdf</code>	HERE iOS SDK Developer's Guide
<code>HERE iOS SDK Premium Edition v3.2.2 Release Notes.pdf</code>	This document
<code>framework/NMAKit.framework</code>	HERE iOS SDK
<code>Indoor-Positioning-Solution/here_indoor_radio_mapper-4.1.apk</code>	HERE Indoor Radio Mapper Android app
<code>Indoor-Positioning-Solution/docs/Indoor Positioning v1.0 Installation Guide.pdf</code>	Instructions on how to set up Indoor Positioning
<code>Indoor-Positioning-Solution/docs/Indoor Radio Mapper v4.1 Release Notes.pdf</code>	Release Notes about the Indoor Radio Mapper app
<code>Indoor-Positioning-Solution/docs/Indoor Radio Mapper v4.1 User Guide.pdf</code>	Instructions on how to use the Indoor Radio Mapper Android app to create indoor maps that can be used with HERE Positioning

Getting Started

Refer to the documentation under the `/user-guide` folder for details on how to quickly start evaluating the HERE iOS SDK.

- **Note:** Developers using the HERE iOS SDK in their application projects must embed or link to the legal text provided in [Copyright Information](#) on page 17 from a user-accessible area of their application.

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

- iOS 9.0 or above. iOS 10 is recommended for optimal operation.
 - XCode 8 or above, running on Mac OS X 10.10 or above.
 - iPhone 4S or newer devices
- **Note:** iPhone 5 / iOS 8.3 or newer devices are recommended for the LiveSight feature.

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Mesa 3-D graphics library
Version: 7.0

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=== malloc_count ===
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Credits
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```
Gilles Vollant - Original MiniZip author
```

```
Even Rouault      - ZIP64 unzip Support
Daniel Borca      - BZip Compression method support in unzip
Mathias Svensson - ZIP64 zip support
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=== rg_etc 1.04 ===
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=== Snappy 1.1.2 ===
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=== Squish 1.11 ==
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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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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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=== fmdb ===
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