Network Positioning via Mobile SDK

Global positioning through Wi-Fi Access Points and Cell-ID locations

The Network Positioning service, part of the HERE Mobile SDK for Business, provides position information when GPS is not possible. It leverages a global database of Cell IDs (GSM, WCDMA, TDSCDMA, LTE, CDMA) and Wi-Fi Access Points that a mobile client can detect to obtain a geographic position with a confidence radius. The Positioning service is always up to date with the latest changes in the wireless network infrastructure, as the database is continuously updated based on the data feedback from millions of devices around the world.
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Feature Highlights
HERE Network Positioning maintains a database of over 160M Cell-ID and 3.6B Wi-Fi Access Point locations, which is dynamically updated and populated by millions of devices around the world. It is easily accessible through the HERE Mobile SDK for Business.

Feature List
- Available with the HERE Mobile SDK for Android
- Supported Cellular Technologies: GSM, WCDMA, LTE, TD-SCDMA (China)
- Automatic positioning switching between GNSS, Wi-Fi and cellular network positioning
- Online with cache (hybrid mode) to reduce data usage
- Offline mode: automatic download of offline radio map data for positioning without a data connection

Benefits
- Provides high quality positioning (combination of HERE algorithm and large Cell & Wi-Fi database) Supports positioning based on Cell-ID (500m-1500m)* and Wi-Fi Access Points (30-50m)
- Power efficient continuous location awareness by using offline radio maps
- More accurate positioning due to on-device always on location
- Easy registration and onboarding with developer.here.com
- Less data traffic for positioning requests with offline mode
- *Accuracy strongly depends on the cell size

About HERE Technologies
HERE, the Open Location Platform company, enables people, enterprises and cities to harness the power of location. By making sense of the world through the lens of location we empower our customers to achieve better outcomes – from helping a city manage its infrastructure or an enterprise optimize its assets to guiding drivers to their destination safely. To learn more about HERE, including our new generation of cloud-based location platform services, visit 360.here.com and www.here.com

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