

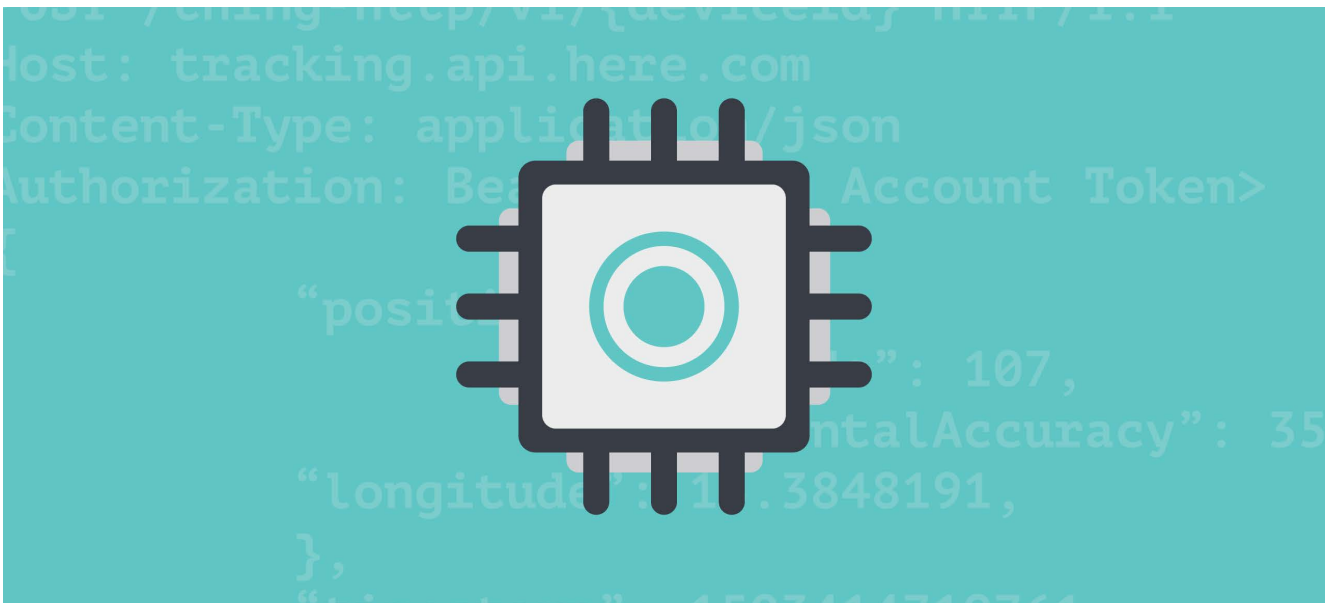
IoT client libraries for HERE Tracking

Client libraries for different hardware form factors

Tracker application

HERE product deliverable
via HERE Developer Portal

Hardware & OS Adaptation



HERE IoT positioning client library provides the following features: authentication, scan, send, control application, telemetry cache and instant update. These client libraries are suitable for a variety of use cases and have the functionality for on-demand and pre-loaded radio mapping. On-demand radiomap downloading means a user is able to download radiomaps on-demand as needed when a device is moving. This approach is preferred when device route is not known beforehand. Pre-loaded radiomaps are typically used when device moves around a pre-defined area.

IoT client libraries for HERE Tracking

Feature highlights

Offline positioning is part of HERE's Network Positioning service. With offline positioning, the positioning information is downloaded from the HERE global database of Wi-Fi access points directly to the device enabling a positioning calculation to happen. All of this takes place while ensuring power efficiency in the device. A network connection is needed only for the data transfer, not for positioning calculation.

Features and Benefits

HERE IoT positioning client library provides power efficient and accurate positioning for small memory footprint IoT devices based on offline network positioning. The positioning client libraries are tailored for IoT devices and use cases.

Feature list

- Available as part of HERE Tracking and as a standalone library
- Supports both Wi-Fi and Cell
- On-demand and pre-loaded radiomaps
- Automatic positioning switching between offline and online

Benefits

- Optimized for low power and small memory footprint IoT devices using off-line radiomaps
- Provides high quality positioning (combination of HERE algorithm and HERE's large Wi-Fi and Cell database)
- Less data traffic for positioning request with offline mode
- On-device location awareness
- Adapts to different use cases

About HERE

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.