

# Network Positioning FAQs

### **Q: What is HERE's Positioning API?**

A: HERE's Positioning API provides position estimates (latitude and longitude) based on leading worldwide mobile cell / Wi-Fi Access Point coverage when GNSS performance is limited or for a device that doesn't have GNSS. Positioning based on a mobile cell or Wi-Fi Access Point information is also known as Network Positioning.

### **Q: What does worldwide coverage mean?**

A: HERE positioning database includes 105 million mobile cells and 2.5 billion Wi-Fi Access Points and HERE is constantly collecting and updating this location data.

### **Q: How does HERE keep the data updated?**

A: Millions of devices crowdsource mobile cell and Wi-Fi data. This data with HERE's efficient positioning algorithms is the basis for the Network Positioning service.

### **Q: Is Network Positioning available online and offline?**

A: RESTful Positioning API is available online. Mobile SDK for Android has Positioning API which supports online, hybrid (online with cache) and offline modes.

### **Q: What kind of positioning accuracy do you get with Network Positioning?**

A: Typically 500-1500 meters accuracy with single Cell IDs (strongly dependent on cell size), 300-700 meters accuracy with neighbor Cell IDs, and 30-50 meters accuracy for Wi-Fi based positioning.

### **Q: What possible devices use Network Positioning?**

A: IoT Devices, Tracking Devices, Wearables, Mobile Phones, Smartphones\*, Tablets\*, Laptops, Browsers, Cars (\*excluding iOS devices).

### **Q: What cellular technologies does Network Positioning support?**

A: GSM, WCDMA, LTE, CDMA, TD-SCDMA

### **Q: Why would someone be interested in Network Positioning?**

A: If they produce devices or develop applications or services for devices that don't have GNSS capability, or if they want applications or services be able to obtain position information also when GNSS does not work (due to not receiving satellite signals or being disabled), then Network Positioning would enable position awareness.

**Q: How can I access Network Positioning?**

A: Network Positioning can be accessed via REST API (please visit [developer.here.com](https://developer.here.com)) and additionally thru a device based solution (please contact HERE), and through the HERE Mobile SDK.

**Q: What are the steps to enable HERE Indoor Positioning in my venue?**

A: If you have adequate Wi-Fi coverage in the venue and Android-only support fits to your needs, then you only need to survey the venue with the HERE Indoor Radio Mapper tool, after which you can use HERE Mobile SDK to locate the device indoors. In case iOS support is also needed, or the Wi-Fi coverage is poor, you will need to deploy Bluetooth beacons first.

**Q: Is it fast to develop using HERE Mobile SDK?**

A: Yes, it is. HERE Mobile SDK comes with a large number of example projects that get you going in no time.

**Q: Does HERE have any guidelines for indoor deployment?**

A: Yes, please refer to the indoor positioning documentation: (<https://here.com/en/products-services/products/here-positioning/here-indoor-positioning>)