

HERE Map Rendering

Highly accurate and fresh enterprise-grade maps

HERE Location Services enable map display for over 200 countries and territories around the world. They provide access to accurate, comprehensive and highly interactive maps, in a variety of traditional and specialized views, available with different zoom levels and display options, through map imaging and map and vector tiling technologies.



How the products work:

HERE Location Services enable map display through a variety of rendering technologies, either at the client side, through HERE or 3rd party rendering libraries utilizing vector tiles, or through pre-rendered map tiles or images. In addition, our mapping capability allows for a fluid interaction with the map while panning/zooming across various views at varying resolutions so your users can better understand and interact with the world. It enables the display of various elements such as polygons, labels, images and other objects. And for those customers in need of deep levels of map customization at the client side, it provides easy ways to configure the look and feel of your map by changing its color, icon size, width, length and removing/adding objects such as buildings, land features and roads.

Vector tile

- 2D Vector tiles in the size of 512x512 pixel at different zoom levels
- Support for HERE or 3rd party rendering engines for map creation
- Client-side rendering for map interactivity and retrieval of Map Objects at an application level
- HERE map content in industry accepted MVT format
- Support for build of geopolitical views on client side
- Includes truck attribute properties (legal and hazmat)
- Client-side map customization of:
 - Selection of specific HERE Map Content data sets
 - Visual appearance of map objects

Map tile

- Pre-rendered map tiles on the HERE server streamed to the destination/device
- Traffic flow and incidents tiles for traffic display
- Support for geopolitical views
- Show/hide POIs on the map filtered by category
- Map tiles sizes:
 - 128 x 128 px
 - 256 x 256 px
 - 512 x 512 px
- Support for map views: base map, hybrid, satellite imagery, terrain view
- Support for map schemes:
 - Daylight or night mode
 - Transparent map tiles as street or label overlays
 - Truck attributes layer
 - Fleet map scheme designed for fleet management use cases:
 - Accentuated country borders and highways, while other less important map data is dimmed
 - Toll roads within congestion charging zones are highlighted.
 - Highway exits made visible at lower zoom levels
- Support for multi-language tiles

Map Images

- Pre-rendered in advanced on the HERE server and streamed to the destination/device
- Support for map views: base map, hybrid map, satellite imagery, terrain view
- Support for map schemes: for daylight or night mode, fleet map, truck attributes layer
- Support for tilted-type map, heat map or map with select highlighted regions
- Support for displaying statistical data in the form of circle diagrams or bar charts

HERE, a location data and technology platform, moves people, businesses and cities forward by harnessing the power of location. By leveraging our open platform, we empower our customers to achieve better outcomes – from helping a city manage its infrastructure or a business 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.