



What is an API? (Application Programming Interface)

API is the acronym for Application Programming Interface, which is a software intermediary that allows two applications to talk to each other. Each time you use an app like Facebook, send an instant message, or check the weather on your phone, you're using an API.

What Is an Example of an API?

When you use an application on your mobile phone, the application connects to the Internet and sends data to a server. The server then retrieves that data, interprets it, performs the necessary actions and sends it back to your phone. The application then interprets that data and presents you with the information you wanted in a readable way. This is what an API is - all of this happens via API.

To explain this better, let us take a familiar example.

Imagine you want to add maps to your android or web application, getting real time information from satellite is a very big task. Then in that case you can use an API like HERE MAPS API

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Introduction

This document introduces the Places (Search) API and:

- explains key concepts
- provides examples
- documents resources and query parameters
- documents response structures and data types

What Is the Places (Search) API?

The HERE Places (Search) API is a REST API that allows you to build applications where users can search for addresses and places and received detailed information about selected places.

Why Use the Places (Search) API?

The Places (Search) API provides resources to address the following high-level use cases:

Text string search - Based on a text string, search for relevant places. The Places (Search) API supports a number of different options for these searches, allowing searches based on different options, autosuggestion based on partial search terms and location, and searches based on voice input.

Search for locations nearby - Based on a location, search for places in the vicinity. The Places (Search) API also allows you to filter by category.

Search for places and sort by proximity within a location context - Based on a location context, search for places in the vicinity and sort the results by distance. The Places (Search) API also allows you to filter by category.

EXAMPLE Code for HERE API

Step 1.) Generate App

Step 2.) Create App Key

Source Code -

Include JS libraries

```
<script type="text/javascript"
src="https://js.api.here.com/v3/3.1/mapsjs-core.js"></script>
<script type="text/javascript"
src="https://js.api.here.com/v3/3.1/mapsjs-service.js"></script>
<script type="text/javascript"
src="https://js.api.here.com/v3/3.1/mapsjs-ui.js"></script>
<script type="text/javascript"
src="https://js.api.here.com/v3/3.1/mapsjs-mapevents.js"></script>
```

```
var platform = new H.service.Platform({
  'apikey': '{YOUR_APIKEY}'
});

// Obtain the default map types from the platform
var maptypes = platform.createDefaultLayers();

// Instantiate and display a map
var map = new H.Map(document.getElementById('mapdiv'),
maptypes.vector.normal.map, {
  center: {lat: 0, lng: 51},
  zoom: 8
});

// Enable the event system on the map instance:
var mapEvents = new H.mapevents.MapEvents(map);
```

```
// Instantiate the default behavior, providing the mapEvents object:  
new H.mapevents.Behavior(mapEvents);
```