Geolocation API Properties and Methods



Elisabeth Robson

@elisabethrobson | elisabethrobson.com

More Geolocation Properties



position.coords.latitude position.coords.longitude position.timestamp position.coords.accuracy position.coords.altitude position.coords.altitudeAccuracy position.coords.speed position.coords.heading

Watching Your Position

```
trackId =
var
     navigator.geolocation.watchPosition(displayLocation,
                                           displayError);
function displayLocation(position) {
   •••
function displayError(error) {
```

Watching Your Position



watchPosition

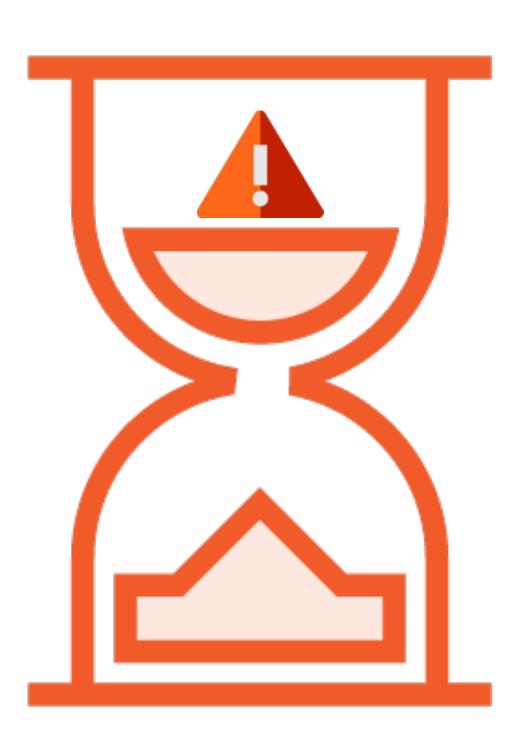
Position: -33.924869, 18.424055

• • •

Position: 40.712784, -74.005941

clearWatch

watchPosition Can Drain Your Device Battery



Google Maps Geolocation API



google.maps.geometry

The computeDistanceBetween Method

google.maps.geometry.spherical.computeDistanceBetween(

```
LatLng, LatLng, radius);
```

google.maps.LatLng

radius

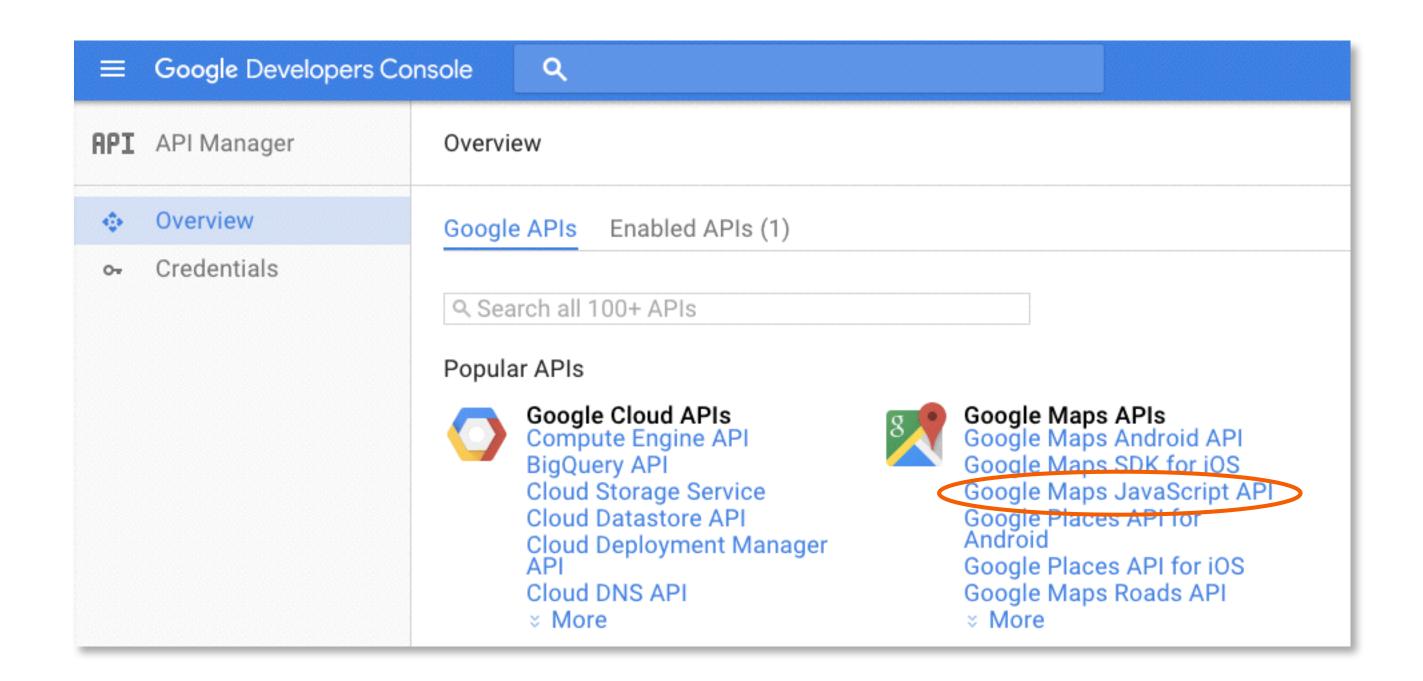


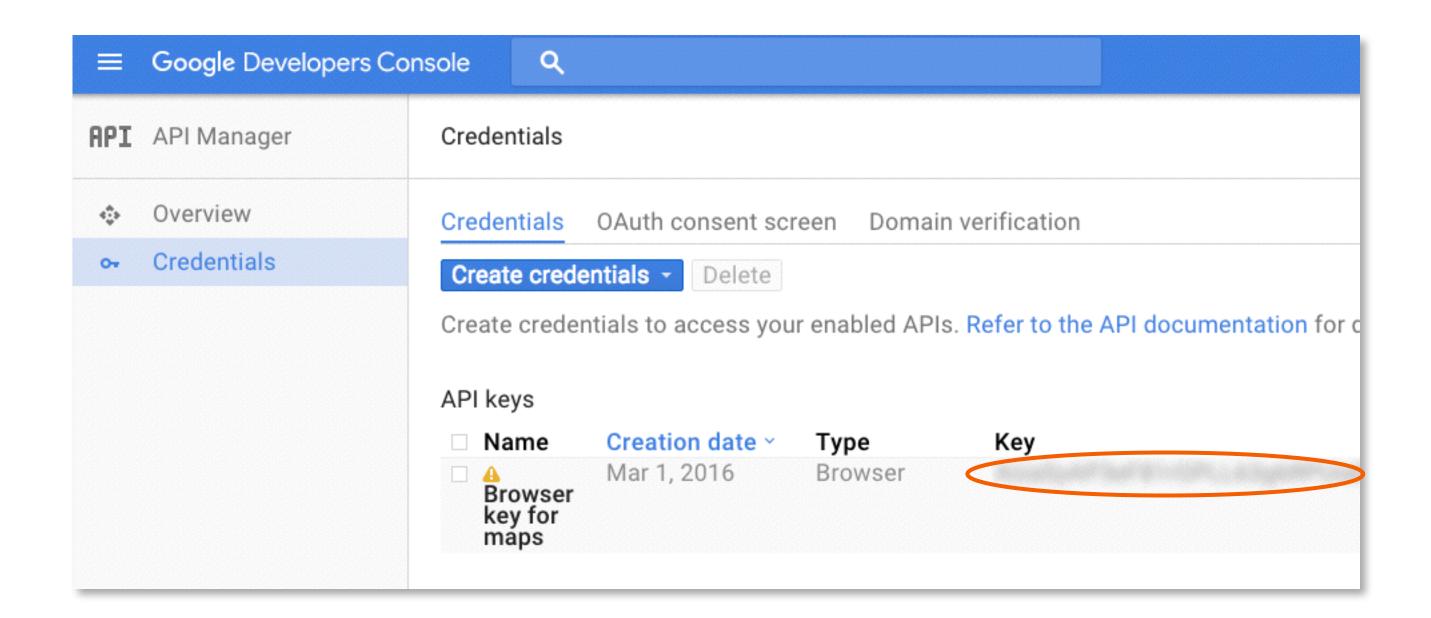
The computeDistanceBetween Method

google.maps.LatLng

radius







```
<head>
    <script type="text/javascript"</pre>
            src="https://maps.googleapis.com/maps/api/js?
key=YOUR API KEY&libraries=geometry">
    </script>
    <script src="script.js"></script>
</head>
```

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Location information

47.606209, -122.332071

Location timestamp: Sat Mar 19 2016 07:20:07 GMT-0700 (PDT)

Accuracy of location: 10 meters

Altitude: 52.27911376953125 with accuracy 12 in meters

Heading: 354.0234375

Speed: 14.039999961853027







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How far did I go?

Start

46.524091158927796, -122.91523348575993

46.524091158927796, -122.91523348575993

46.524091158927796, -122.91523348575993

46.52408886759724, -122.91523957998872

Total distance traveled: 0.517km

Total distance traveled: 0.323125m







Summary



position.coords.accuracy
position.coords.altitude
position.coords.altitudeAccuracy
position.coords.speed
position.coords.heading

Summary



watchPosition
computeDistanceBetween
LatLng