



API BaaS

Geolocation Queries

Geolocation

Think of where you can use Geolocation data

To store location information in an entity

This can be included either in entity creation or on update.

Entity type	Usage
user	Save the location of a user's home as part of their profile in the <code>users</code> collection to suggest upcoming special events or activities located nearby, or to display advertisements that are relevant based on the user's proximity to a business.
device	Periodically save the location data returned from a user's device, then query the <code>devices</code> collection to send offers and alerts to users that are located near your business with a push notification .
activity	Create stronger social connections by associating a user <code>activity</code> with the location where it occurred. The activity can then be displayed to nearby friends and family, or used to enrich the user's activity stream.
asset	Save user photos with location data in the <code>asset</code> collection to allow users to retrieve and sort their memories based on when and where they happened.

```
"location": {"latitude": <lat_coordinate>,"longitude":  
<long_coordinate>}
```

Geolocation

Data Needs to be stored in the location property of an entity

The sub properties should be named as follows:

latitude

longitude

The format needs to be as follows:

```
"location": {  
  "latitude":  
<latitude_coordinate>,  
  "longitude":  
<longitude_coordinate>  
}
```

Geolocation

If you've stored location data with your entities, you can query for the entities that are within a certain proximity based on geographical locations.

Goal	Example	Notes
Find stores whose locations are within the specified longitude and latitude.	<pre>/stores?ql=location within 500 of 40.042016, -85.900749</pre>	<p><code>within</code> will test for values within the value you specify. The <code>within</code> value is expressed as a number of meters.</p> <p>The return results are sorted in order of nearest to furthest. If there are multiple entries at the same location, they're returned in the order they were added to the database.</p> <p>For more on geolocation queries, see Geolocation.</p>

THANK YOU