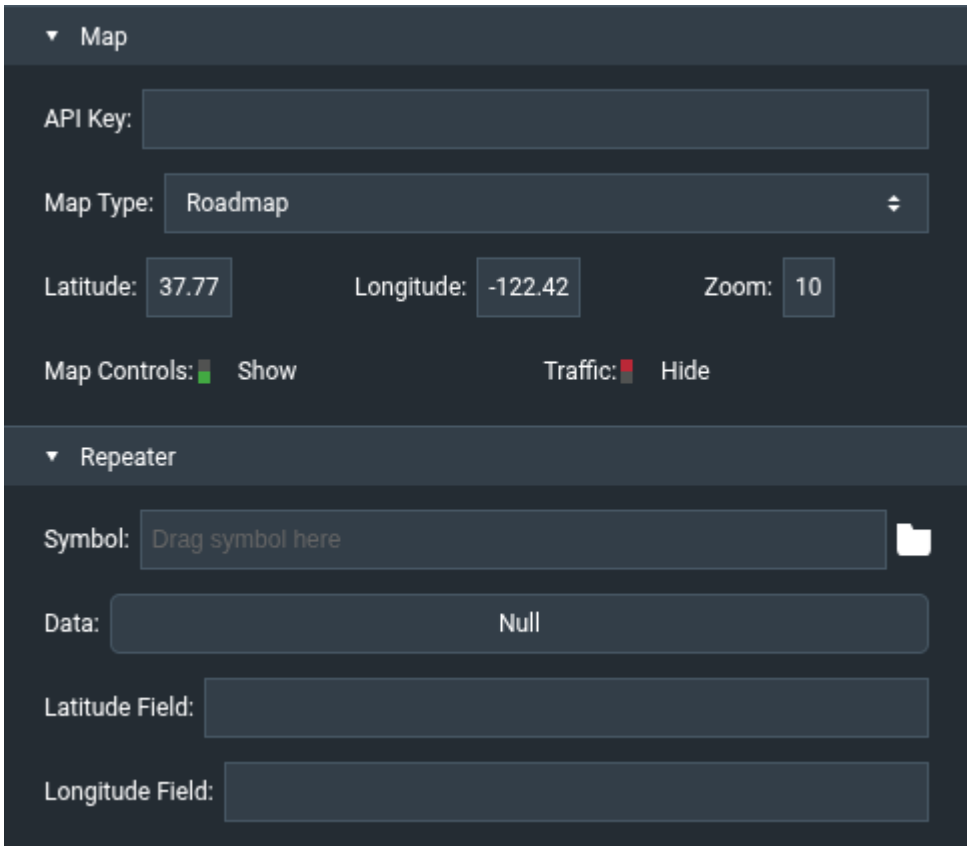
Google Map Properties

These properties affect the Google Map component. They appear in the **Map** and **Repeater** sections of the Property Inspector.

The same **Map** section is also used by the Mapbox GL Map and ESRI Map components, but each map type shows only the fields that it supports. See Mapbox GL Map Properties and ESRI Map Properties.

For a guide to using the Google Map component, see Google Map.

Google Map components are also affected by Common Properties.



Google Map properties in the Property Inspector

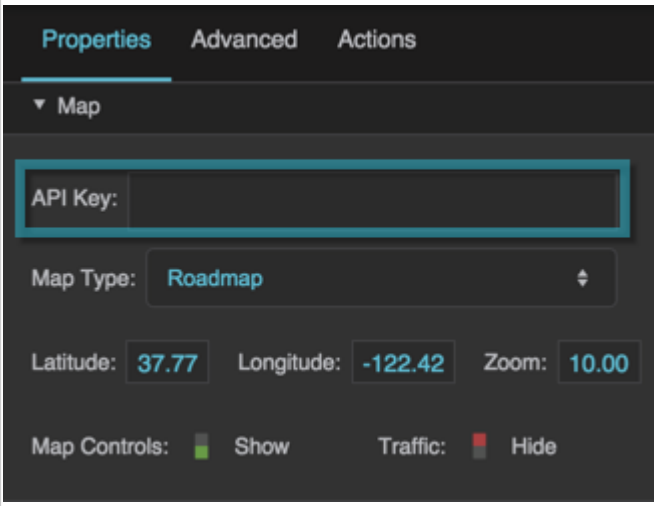
Click to display/hide all elements

These properties affect the map:

API Key
Specifies the Google Maps API key to use.

You are responsible for the use of Google Maps and for compliance with Google's licensing. For details,

please see Google's Terms of Service for Google Maps and Google Earth.



The API Key property

Map Type
Defines the type of Google Map to be displayed in the component.

Roadmap
The default road map view.

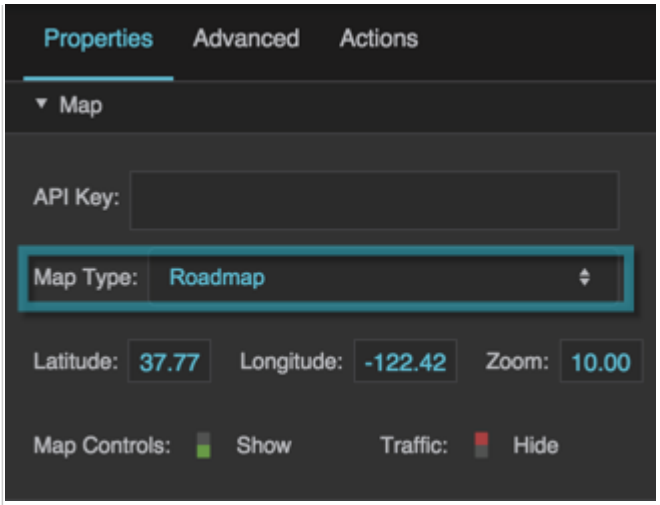
Satellite
Google Earth satellite images.

Hybrid
A mixture of road map and satellite images.

Terrain
A physical map based on terrain data.

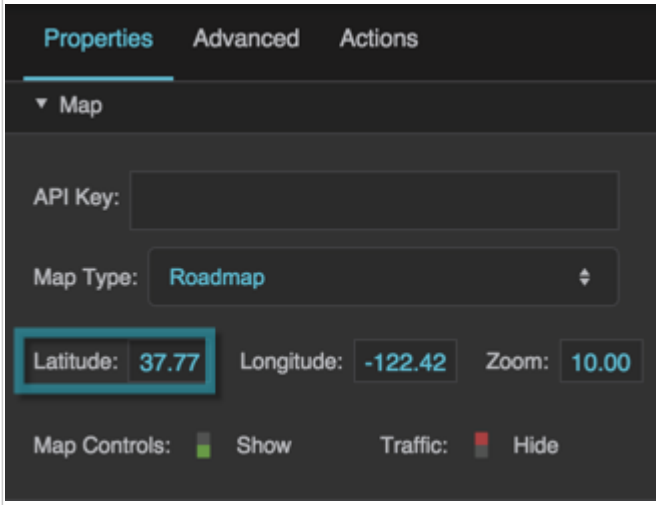
Open Street Map
Map tiles from OpenStreetMap.

If the user changes the map type with the map's own controls, the **Map Type** property is updated.



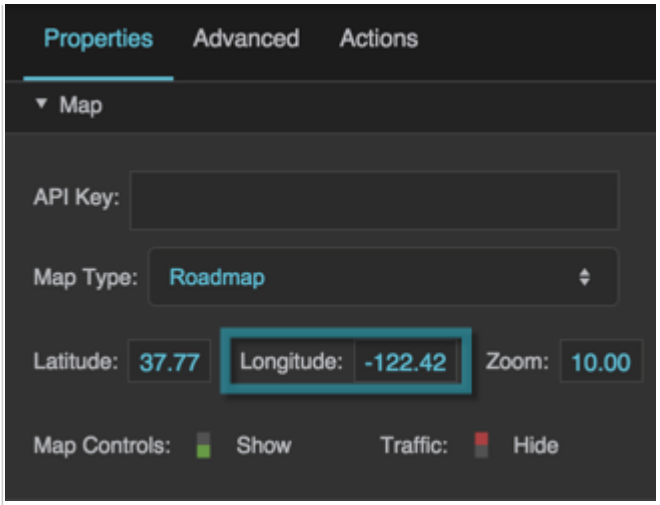
The Map Type property

Latitude
Sets or returns the latitude at the center of the map component.



The Latitude property

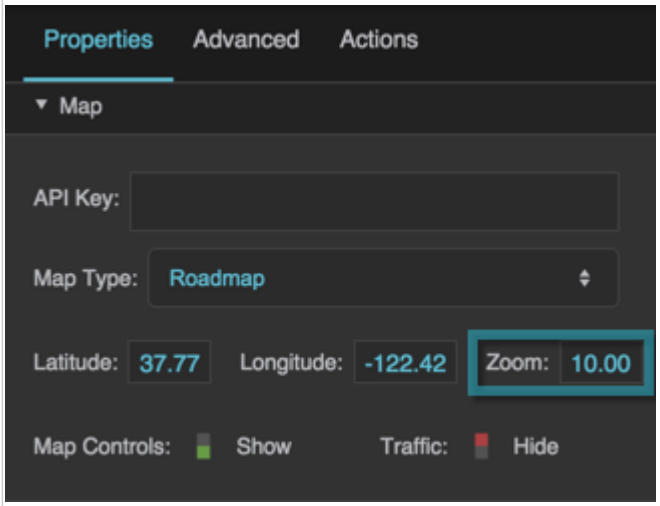
Longitude
Sets or returns the longitude at the center of the map component.



The Longitude property

Zoom

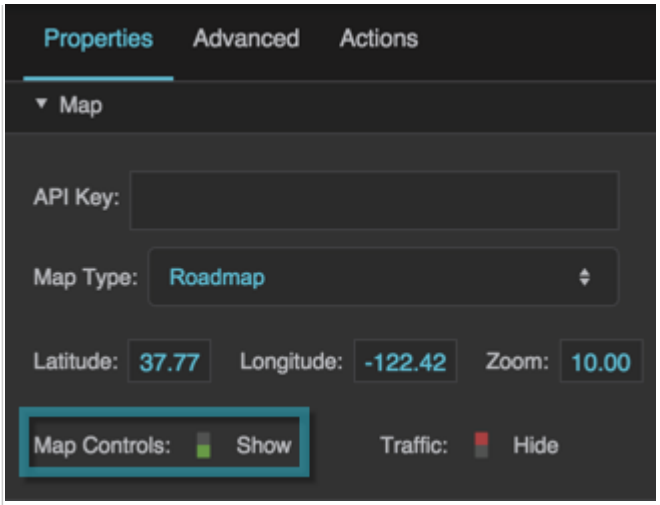
Sets or returns the zoom level for the map. The default is 8. Zero is the lowest zoom level, in which the entire world can be seen in one map. For each map type, valid zoom levels are from 0 to the maximum zoom level for that location and map type. The maximum depends on available data and is typically between 18 and 21 for a given location and map type.



The Zoom property

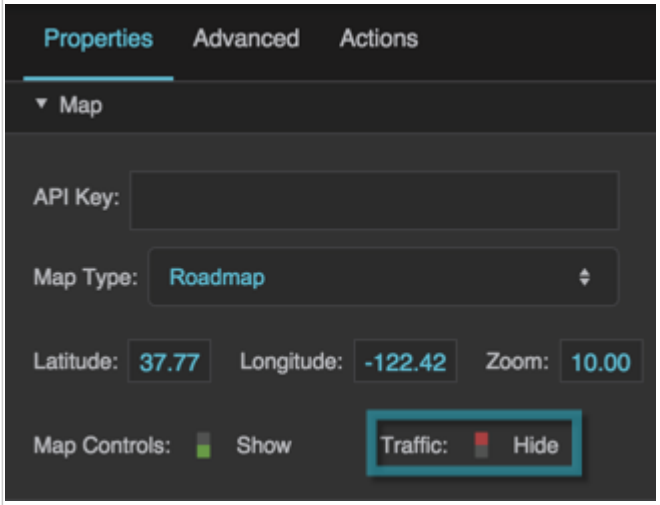
Map Controls

Specifies whether to show map controls (shown by default), allowing the user to manipulate the map. Controls allow the user to zoom in or out, and move left, right, down, or up.



The Map Controls property

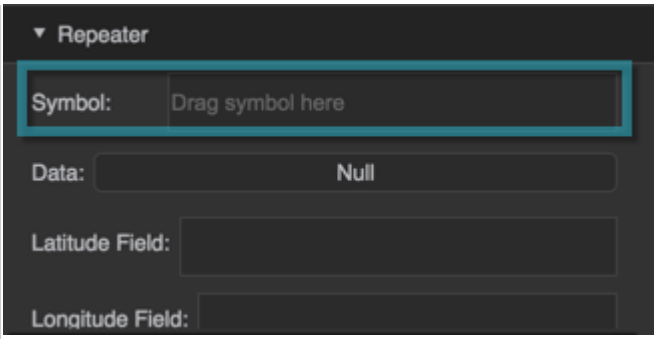
Traffic
Specifies whether to show the Google Maps Traffic Layer on the map.



The Traffic property

These properties affect the map repeater. They appear in the **Repeater** section:

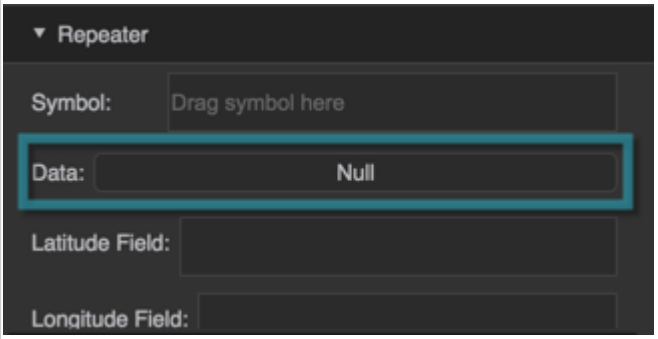
Symbol
Defines the symbol to be used as a location marker. If the symbol is in this project, enter the name of the symbol. To use a symbol from another project in your library, enter the path to that symbol.



The Symbol property

Data

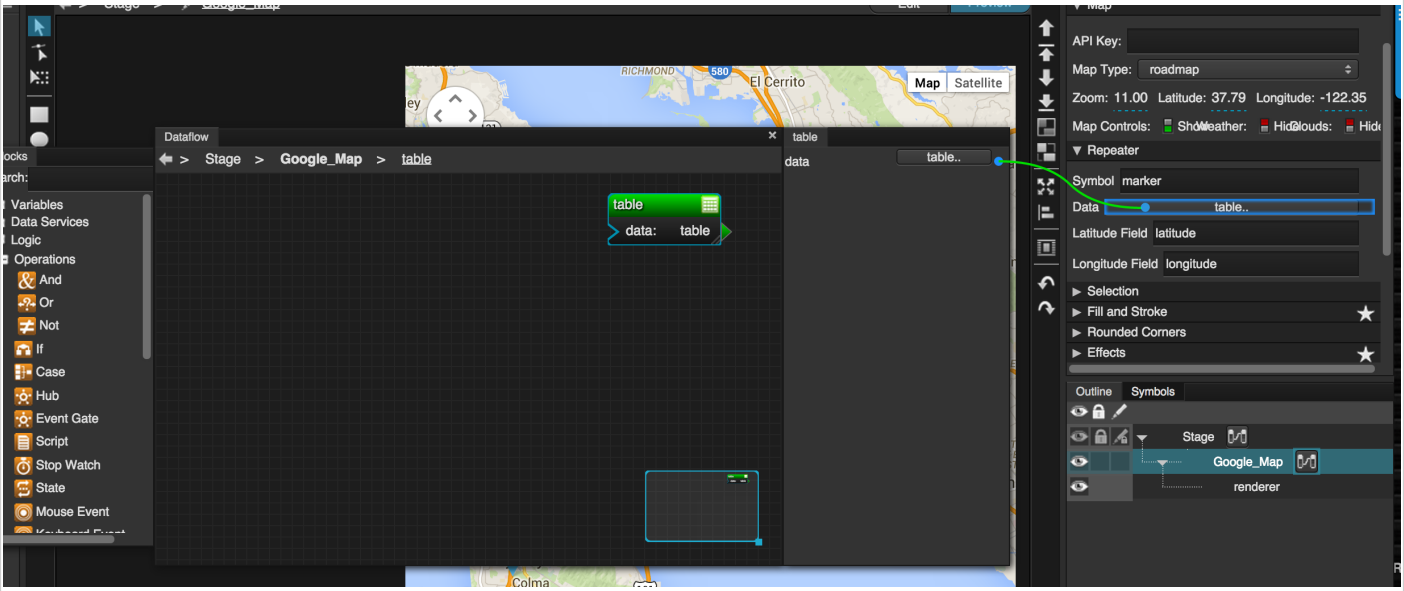
Defines the table from which latitude and longitude data for location markers can be determined. By default, Google Map has a table case block that you can play with.



The Data property

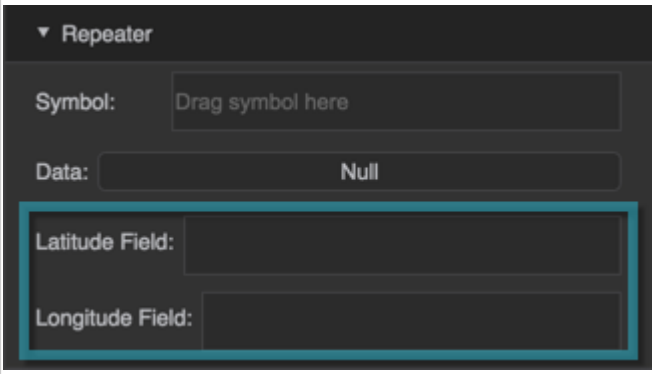
To use the default table:

1. In the Outline, double-click the dataflow icon of your Google Map component.
2. Select the table case block in dataflow so you can see the properties.
3. Hover over the `table` button until a blue dot appears. Then, click the blue dot and drag it over to the `Data` property.



Latitude Field, Longitude Field
Define the columns in your table that contain latitude and longitude data.

To use the `latitude` and `longitude` columns from the default table, enter `latitude` and `longitude`.



The Latitude Field and Longitude Field properties

The following properties affect the map group. A map group is useful when you want to have multiple repeaters, or other components, in your map, or when you want your markers to be placed at each set of coordinates without being centered on the location. A selected map group shows the same **Repeater** section (**Symbol**, **Data**, **Latitude Field**, **Longitude Field**) as the map.

Symbol
Defines the symbol to be used as a location marker in this map group. If the symbol is in this project, enter the name of the symbol. To use a symbol from another project in your library, enter the path to that symbol.

cluster, clusterImagePath
These map group properties are available only in the Advanced properties.

- **cluster**: When TRUE, nearby repeater items are grouped into marker clusters, and the symbols of clustered items are hidden.
- **clusterImagePath**: The path or URL prefix of the images used to draw cluster icons.

The following properties are available only in the Advanced properties of the Google Map:

Property	Description
boundsWest, boundsNorth, boundsEast, boundsSouth	Return the current extent of the map in degrees. Setting them fits the map to the given bounds.
mapStyles	JSON that styles the Google Map. See Use JSON Styles.

Property	Description
imagePattern	URL pattern of an image tile overlay drawn over the map. The placeholders `[x]`, `[y]`, `[ry]` (inverted Y) and `[zoom]` are replaced by the tile coordinates.
imageTileSize	Tile size in pixels for the image overlay and the Open Street Map type. The default is 256.
imageMaxZoom	Maximum zoom level for the image overlay and the Open Street Map type. The default is 18.
selectedIndex, multiSelect, selectChildOnClick	Selection of repeater items. See Selection.
onMapInit	Event fired when the map has been initialized.

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