Feature Collection

Category	Requires	Version
Maps	API 19, Android 4.4 - 4.4.4 KitKat	2

Overview

A FeatureColletion contains one or more map features as a group. Any events fired on a feature in the collection will also trigger the corresponding event on the collection object. FeatureCollections can be loaded from external resources as a means of populating a Map with content.

Events

Feature Click

The user clicked on a map feature.

Params	
feature	Component

Feature Drag

The user dragged a map feature.

Params	
feature	Component

Feature Long Click

The user long-pressed on a map feature.

Params	
feature	Component

Feature Start Drag

The user started dragging a map feature.

Params	
feature	Component

Feature Stop Drag

The user stopped dragging a map feature.
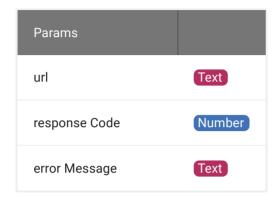
Params	
feature	Component

Got Features

A GeoJSON document was successfully read from url. The features specified in the document are provided as a list in features.

Params	
url	Text
features	List

Load Error

An error was encountered while processing a GeoJSON document at the given url. The responseCode parameter will contain an HTTP status code and the errorMessage parameter will contain a detailed error message.
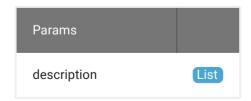
Params	
url	Text
response Code	Number
error Message	Text

Methods

Feature From Description

Returns: *Any*

Convert a feature description into an App Inventor map feature. Currently the onlysupported conversion is from a GeoJSON point to Marker component. If the feature hasproperties, they will be mapped into App Inventor properties using the following mapping:description becomes Description;draggable becomes Draggable;infobox becomes EnableInfobox;fill becomes FillColor;fill-opacity becomes FillOpacity;image becomes ImageAsset;stroke becomes StrokeColor;stroke-opacity becomes StrokeOpacity;stroke-width becomes StrokeWidth;title becomes Title;visible becomes Visible

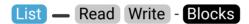| Params	
description	List

Load From URL

Load a feature collection in GeoJSON format from the given url. On success, the event GotFeatures will be raised with the given url and a list of the features parsed from the GeoJSON as a list of (key, value) pairs. On failure, the LoadError event will be raised with any applicable HTTP response code and error message.

Params	
url	Text

Properties

Features

List — Read Write - Blocks

The list of features placed on this map. This list also includes any features created by calls to FeatureFromDescription

Features From Geo JSON

Text — Write - Designer Blocks

Loads a collection of features from the given string. If the string is not valid GeoJSON, the ErrorLoadingFeatureCollection error will be run with url =

.

Height

Number — Read Write - Blocks

Specifies the component's vertical height, measured in pixels.

Height Percent

Number — Write - Blocks

Specifies the component's vertical height as a percentageof the height of its parent Component.

Source

Text — Read - Designer Blocks

Gets or sets the source URL used to populate the feature collection. If the feature collection was not loaded from a URL, this will be the empty string.

Visible

Boolean Default: *True* — Read Write - Designer Blocks

Returns true iff the component is visible.

Width

Number — Read Write - Blocks

Specifies the component's horizontal width, measured in pixels.

Width Percent

Number — Write - Blocks

Specifies the component's horizontal width as a percentageof the Width of its parent Component.

Last update: January 25, 2020