

# Going Further

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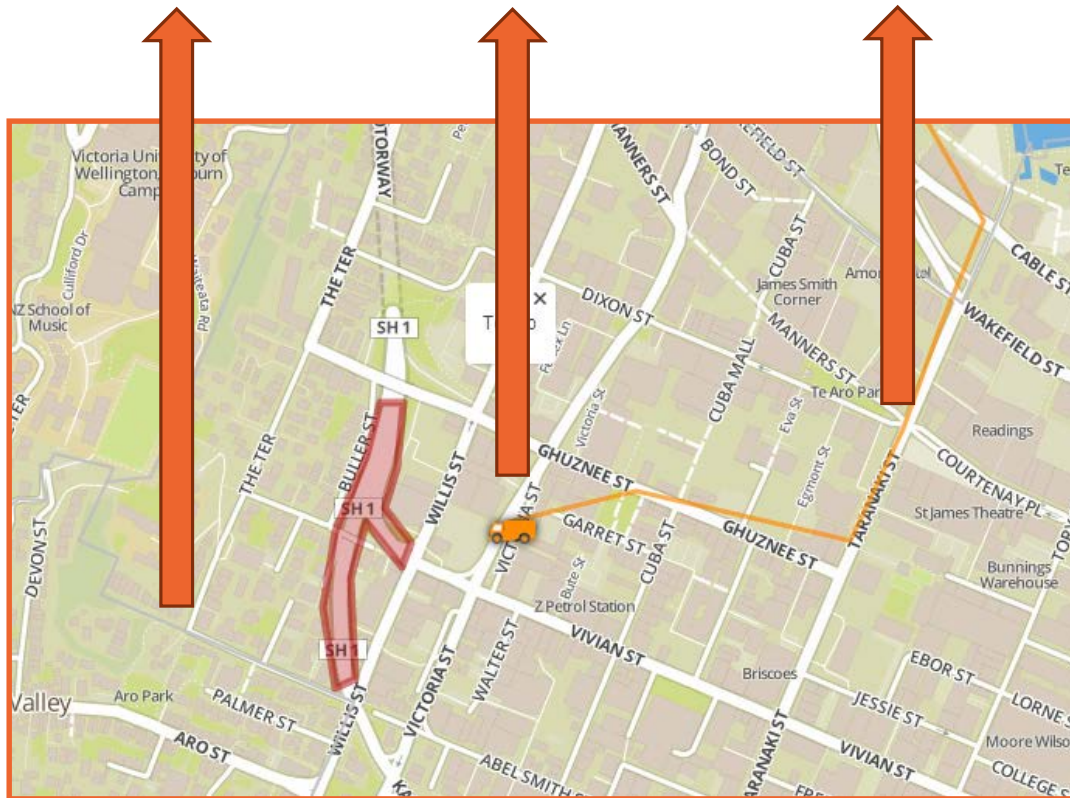
**pluralsight**   
hardcore dev and IT training

# In This Module

resize

click

mouseover



# In This Module

## More Tools

Leaflet library plugins

Static maps API

Vector based maps

Geocoding API

Resources for learning more

# Leaflet Plugins

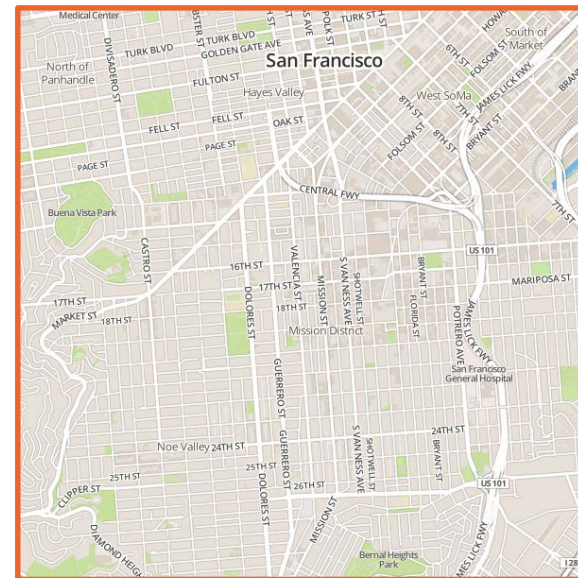


# Static Maps

## Mapbox



[http://api.tiles.mapbox.com/v4/  
{mapid}/{lon},{lat},{z}/  
{width}x{height}.{format}?  
access\\_token=<your token>](http://api.tiles.mapbox.com/v4/{mapid}/{lon},{lat},{z}/{width}x{height}.{format}?access_token=<your token>)



The map data in the following demos is © Mapbox, © OpenStreetMap

# Static Maps

<http://api.tiles.mapbox.com/v4/>

**{mapid}/{lon},{lat},{z}/{width}x{height}.{format}?access\_token={token}**

## Parameters

**mapid** – ID of your map project

**lon,lat** – coordinates of map center

**z** – zoom level from 1 to 22

**width x height** – up to 1280x1280 px

**format** – png, @2x.png, jpg80 and more

**token** – your API access token

# Static Maps

**{name}-{label}+{color}({lon},{lat})**

## Parameters

**name** – pin-s, pin-m, pin-l

**label** – optional name of Maki icon

**color** – hex-encoded RGB color

**lon,lat** – marker coordinates

# Static Maps

url-**{url}**(**{lon}**,**{lat}**)

## Parameters

**url** – percent encoded URL

**lon,lat** – marker coordinates



# Vector Maps

## Capabilities

More compact than raster tiles

Extensive JSON-based styling

Continuous zoom and rotation

Location specific video integration

# Vector Maps

Web GL

# Geocoding API

**Geocoding**

Forward

Reverse

# Geocoding API

**"Wellington"**



**174.7772,-41.2889**

**"Wellington"**  
**"New Zealand"**



**174.7772,-41.2889**

# Forward Geocoding

`http://api.tiles.mapbox.com/v4/geocode/  
{index}/{query}.json?access_token={token}`

## Parameters

**index** – dataset to use for query

**query** – string query with + for spaces

**token** – your API access token

# Reverse Geocoding

[http://api.tiles.mapbox.com/v4/geocode/  
{index}/{lon},{lat}.json?access\\_token={token}](http://api.tiles.mapbox.com/v4/geocode/{index}/{lon},{lat}.json?access_token={token})

## Parameters

**index** – dataset to use for query

**lon,lat** – geographic coordinates

**token** – your API access token

# Further Resources

Developers page: [mapbox.com/developers](https://mapbox.com/developers)

Guides: [mapbox.com/foundations](https://mapbox.com/foundations)

Mapbox Studio: [mapbox.com/mapbox-studio](https://mapbox.com/mapbox-studio)

Github page: [github.com/mapbox](https://github.com/mapbox)

# Further Resources

GeoJSON specification: [geojson.org](https://geojson.org)

Drawing & format conversion: [geojson.io](https://geojson.io)

Leaflet plugins: [leafletjs.com/plugins.html](https://leafletjs.com/plugins.html)



# Summary

**Leaflet library plugins**

**Static maps API**

**Web GL vector maps API**

**Geocoding API**

**Further resources**