

Display Locations on a Map



Paul D. Sheriff

BUSINESS/TECHNOLOGY CONSULTING
psheriff@pdsa.com www.pdsa.com



Module Goals



How to display location on a map

Link to maps

Embed a free map



Display Coordinates on a Map

Link to Map Site => Free

Embed a Map => Free to Paid

**Open Street Maps
Google Maps**

**Free = OpenLayers
Free/Paid = Google, MapBox,
TomTom, Here**



Link to Map

Open URL with
embedded
latitude/longitude

<https://www.openstreetmap.org/#map=18/36.036020/-86.787600>

<https://google.com/maps?q=36.036020,-86.787600>



Demo



[Link to Open Street Maps](#)

[Link to Google Maps](#)



Demo



Link to Google Maps using geolocation



Embed with API

Download a JavaScript library

Create a 'map' object

Pass in latitude and longitude

Provide <div> to display map



Embed a Map Using Mapping APIs

Google

~28k calls / month (\$200 credit)
\$7 / 1k thereafter

TomTom

2,500 calls / day
\$0.42 - \$0.50 / 1k thereafter

MapBox

50k calls / day
\$0.50 / 1k thereafter

Here

250k calls / month
\$1 / 1k thereafter



Demo



Embed using OpenLayers



Module Summary



Not all map services are created equal

Vary widely in...

- Features
- API calls
- Pricing

You decide what features you need





Coming up next...

Embed Maps Using the Google Maps API

- Embed a Google Map
- Add Markers and Windows

