**We are still investigating whether we can use ArcGIS API or Leaflet API.**

1. Leaflet API:

* Setup - Download library and paste to project folder
* Usage - To write function  for **loading basemap**, drawing, picture marker, infowindow, **timeslider, overlay other map layers from Geoserver etc.**

2. Openmaptile server:

* Setup – Download and Install Docker, Kitematic, Oracle VM virualBox
* Start Server - Start VM, Docker
* Usage -  **publish OSM Basemap tile service**

3. Geoserver:

* Setup – Download and install **Geoserver and PostgreSQL. The data will be stored in PostgreSQL database.**
* Start Server – **Geoserver and PostgreSQL**
* Usage – **To publish map feature services**
  + Carriageway (Road Layer)
  + Traffic Light (TrafficSignalAspect)
  + CCTV (GIS\_PTZ\_ATTR, GIS\_WEBCAM)
  + VMS (GIS\_VMS\_ATTR, GIS\_EA\_VMS)