

MapThat Adding New Baselayers

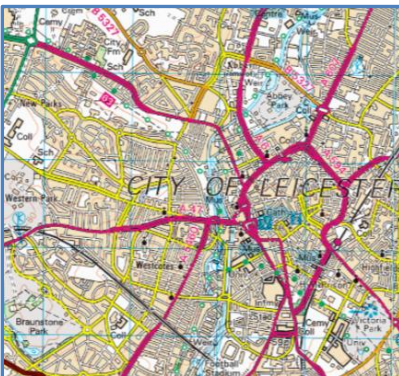
MapThat can use both WMS and WMTS services for the display of basemaps. This means that you can connect to both internal WMS and external Web Map Tile Service feeds to provide background mapping to your users.

Examples can include:


OpenStreetMap - WMTS



Ordnance Survey Mapping - WMS









Basemaps are controlled via the **Baselayer** settings in your MapThat Admin Forms.

 **BASE LAYERS**

Search for

Layer Name

Layer Type

of 8

Layer Name	<input type="text" value="osm"/>	Layer Label	<input type="text" value="Open Street Map"/>
Description	<input type="text" value="Open Layers basic Open Street Map"/>		
Layer Type	<input type="text" value="OSM"/> <input type="button" value="v"/>	Display at start up	<input checked="" type="checkbox"/>
Render using WMS Tiling	<input type="checkbox"/>		
Category	<input type="text" value="ROAD"/> <input type="button" value="v"/>	Sort Order	<input type="text" value="2"/> <input type="button" value="v"/>
URL	<input type="text" value="http://a.tile.openstreetmap.org/\${z}/\${x}/\${y}.png"/>		
Zoom On	<input type="text" value="1"/> <input type="button" value="v"/>	Zoom Off	<input type="text" value="23"/> <input type="button" value="v"/>
Opacity %	<input type="text" value="100"/>	Layer Control	<input checked="" type="checkbox"/>
Licence Key	<input type="text"/>		
Accreditation	<input type="text" value="Open Street Map Data 2017"/>		

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Here you can define;

- Layer Name/Label – the basemaps name
- Layer Type – whether the basemap is Open Source or Bing/Google
- Category – whether the basemap is classified in the ROAD or AERIAL category list
- Display at Startup – an option to determine which one basemap is shown at the start
- Zoom – Minimum and Maximum zoom settings
- URL – the URL for the WMS or the WMTS
- Licence Key – any licence keys that may be required
- Accreditation – a statement to be shown in the bottom of MapThat when this basemap is on

To add a new Basemap, simply choose **New Basemap** and complete the details as above.

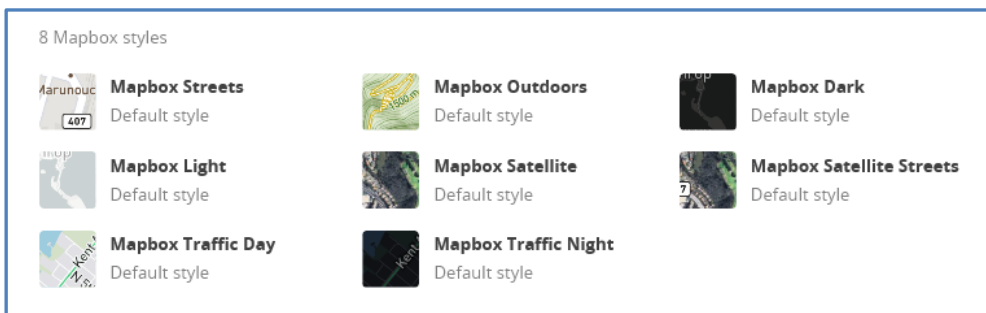
Recommended Basemaps:

MapThat will work with any WMS or WMTS baselayer, although below are a few that we recommend you try:

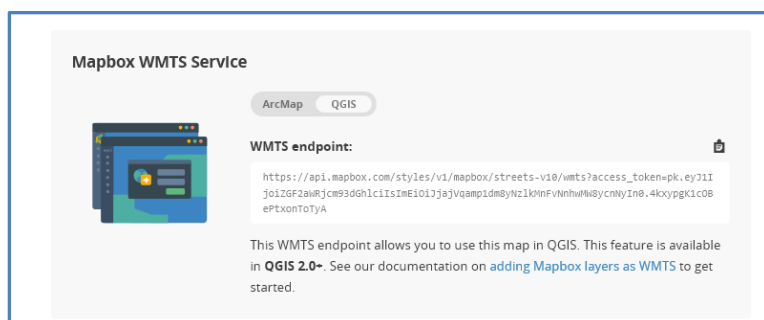
- OpenStreetMap
- MapBox Colour
- MapBox Grey
- MapBox Satellite

In order to gain access to a MapBox WMTS feed you will need to sign up to create a MapBox account - <https://www.mapbox.com/>

Once you have an account, you can then view the MapBox WMTS feed from the MapBox Studio Styles page - <https://www.mapbox.com/studio/styles/>



Choose the WMTS Service that you wish to access, and from the **MapBox WMTS Service** section choose the **QGIS endpoint** URL.



You can then use the endpoint URL for the URL value in your new Basemap Layer in MapThat. Please note that the QGIS WMTS EndPoint URL will need editing slightly so that the WMTS works within MapThat.

This is the **QGIS version** that MapBox gives you for **MapBox Satellite**:

https://api.mapbox.com/styles/v1/mapbox/satellite-v9/wmts?access_token=pk.eyJ1IjoiZGF2aWRjcm93dGhlcilsmEiOiJjaiVqamp1dm8yNzlkMnFvNnhwMW8ycnNyIn0.4kxypgK1cOBePtxonToTyA

This is the **MapThat compatible** version which will work in your **VE_Baselayers** table. Note some re-arranging of the values and the inclusion of the word 'tile' as well as the .png rendering.

https://api.tiles.mapbox.com/v4/mapbox.satellite/{z}/{x}/{y}.png?access_token=pk.eyJ1IjoiZGF2aWRjcm93dGhlcilsmEiOiJjaiVqamp1dm8yNzlkMnFvNnhwMW8ycnNyIn0.4kxypgK1cOBePtxonToTyA

