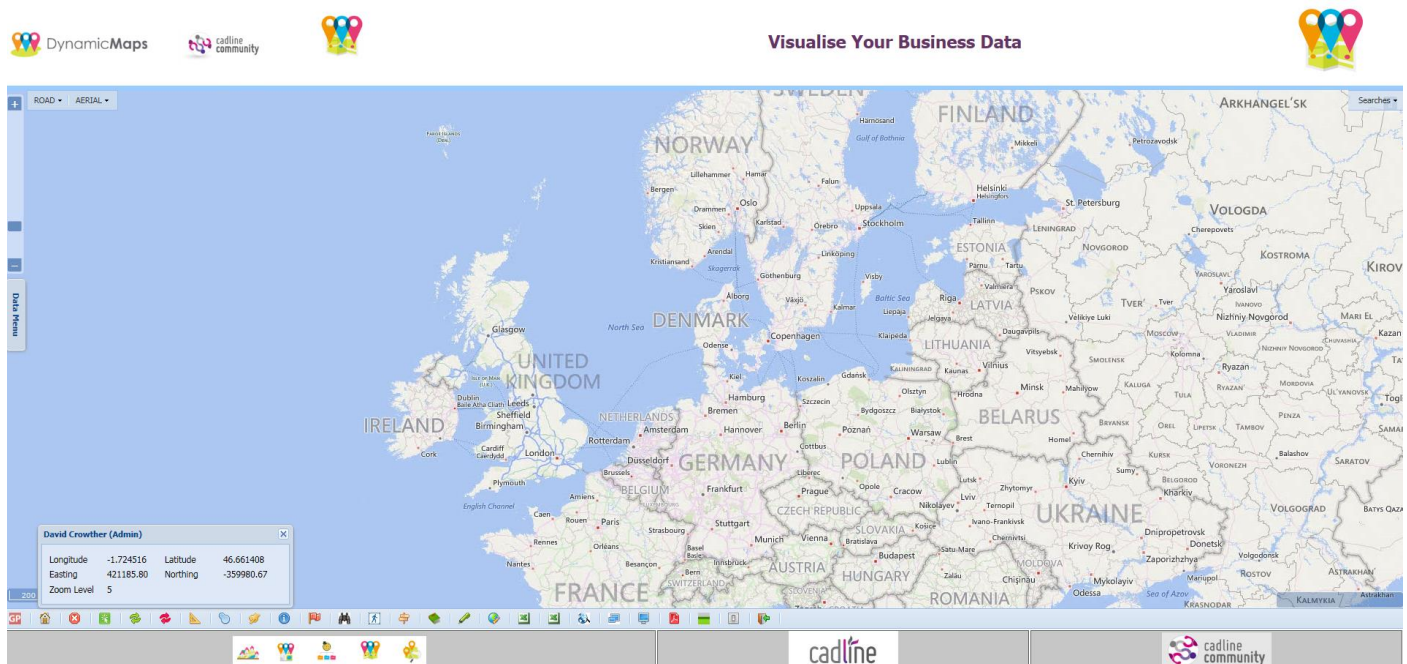# MapThat Admin Forms – Controlling Zoom Levels

The ability to control the levels at which a MapThat user can zoom into and out of the map interface can be controlled using the settings for the individual **base layers**.

Max Zoom:

To stop the users zooming out to a map level where they may lose focus on your data, you can specific a maximum map zoom for each of your base layers. For example in the map below I have set the maximum map level for the current base layer (Bing Roads) to be 5. This means that the user cannot zoom out from the map further then the zoom displayed below:

This setting can be achieved using the MapThat – Admin Forms.

> ➤ Choose Layer/Search Admin > **Base Layer**

Scroll to find your specific base layer e.g. Bing Roads:

The **Zoom On** setting will control the maximum zoom level at which that base layer can be displayed. Notice in the settings above that the Zoom On is set at 5.

If the user tries to zoom out from the map further then the specified Zoom On level, the map will not zoom out but will simply stay at the chosen zoom level.

Min Zoom:

To stop the users zooming into the map beyond a level where the base mapping has no real value, you can specify a minimum map zoom for each of your base layers. For example in the map below I have set the minimum map level to be 21. This means that the user cannot zoom into the map further then the zoom displayed below:

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cadline

This setting can be achieved using the MapThat – Admin Forms.

  ➢ Choose Layer/Search Admin > **Base Layer**

Scroll to find your specific base layer e.g. Bing Roads:

The **Zoom Off** setting will control the minimum zoom level at which that base layer can be displayed. Notice in the settings above that the Zoom Off is set at 22.

If the user tries to zoom into the map further then the specified Zoom Off level, the map will not zoom in but will simply stay at the chosen zoom level.

Changing the Base Layer:

What if the user chooses to change the visible base layer and that base layer is set not to show at the current zoom level?

So for example you are currently displaying Bing Roads at a zoom level of 8:
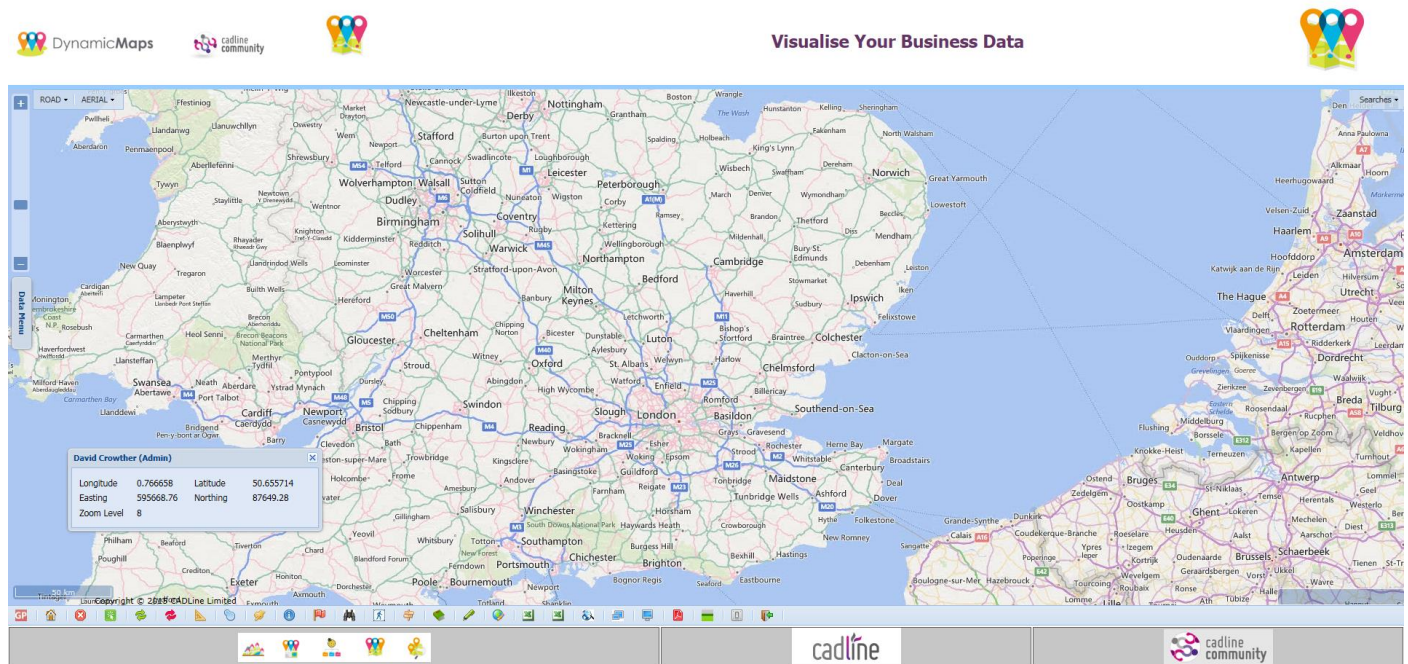
The user then chooses to display another base layer, for example Bing OS.

If the Bing OS layer has a Zoom On or Off level that is outside of the current map level, then we don't want that layer to be displayed as the map will have a white background with no base mapping being shown.

To handle this possibility a message will be returned to the user asking them to either choose another base layer, that is available at the current map zoom, or to allow MapThat to automatically zoom you into or out of the map in order to view the chosen base layer.
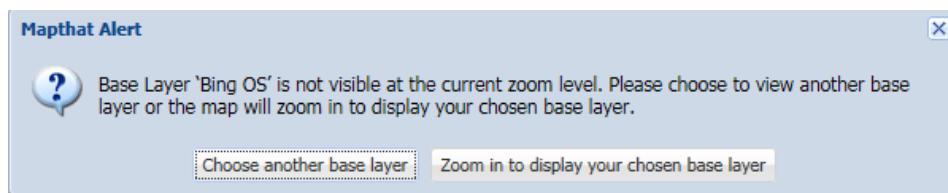
In this example, I have chosen to zoom in to display the chosen base layer:
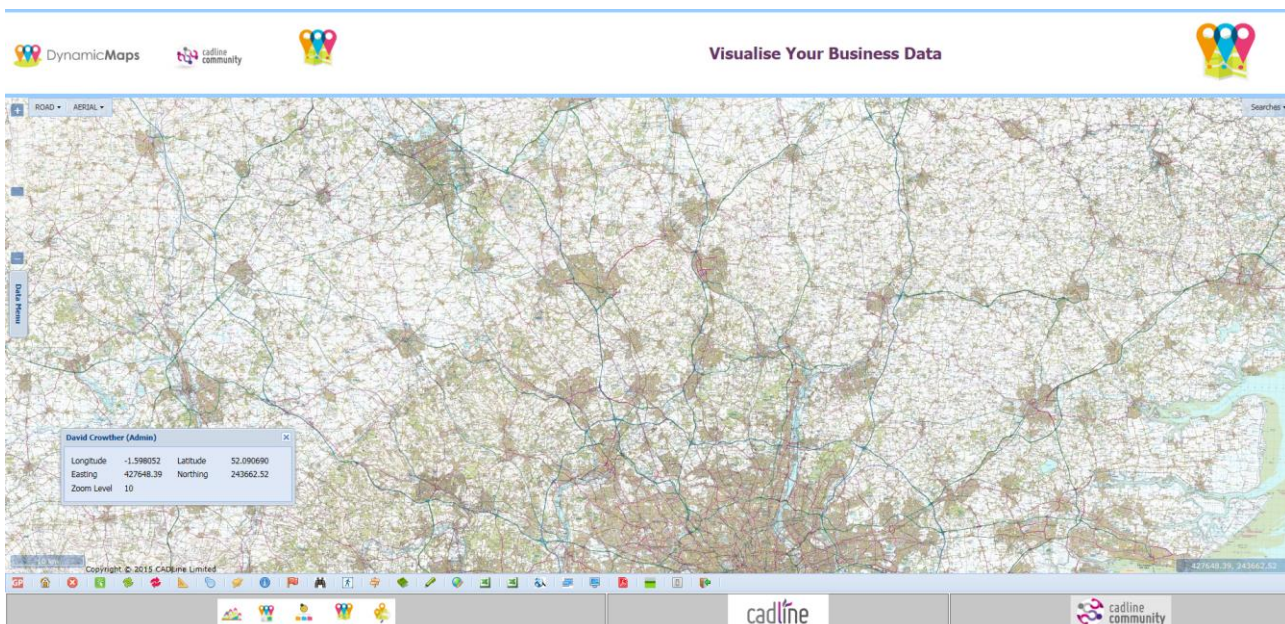
Notice, that the current zoom level has now changed to level 10, as the map has automatically zoomed into the map so that the chosen base layer can be displayed.

So, if you want to control the map levels at which your MapThat users can view your data, choose to set the **Zoom On** and **Zoom Off** levels for each of your **base layers**.

NB: Applicable to MapThat OL3 version 1.0.0 onwards.