

Housing Map CMS Guide

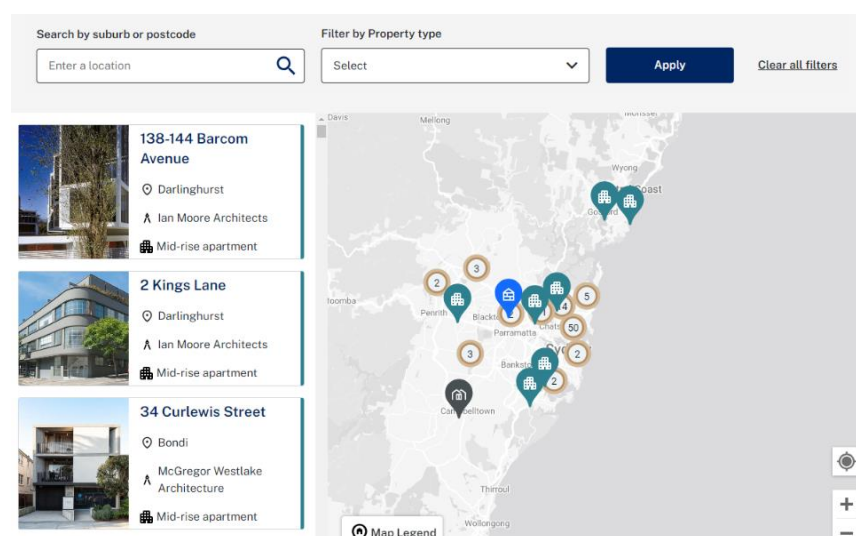
Version: V1

Date: 3 June 2024

Platform: Drupal

Website: planning.nsw.gov.au/government-architect-nsw/housing-design/good-design-for-housing/housing-map

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Introduction

The Housing map is an interactive spatial component that is located on the Planning website. The map showcases buildings of high architectural merit for low-rise and medium-rise housing.

The map information is collated by the Government Architect team. Website content is populated by the Planning Content team.

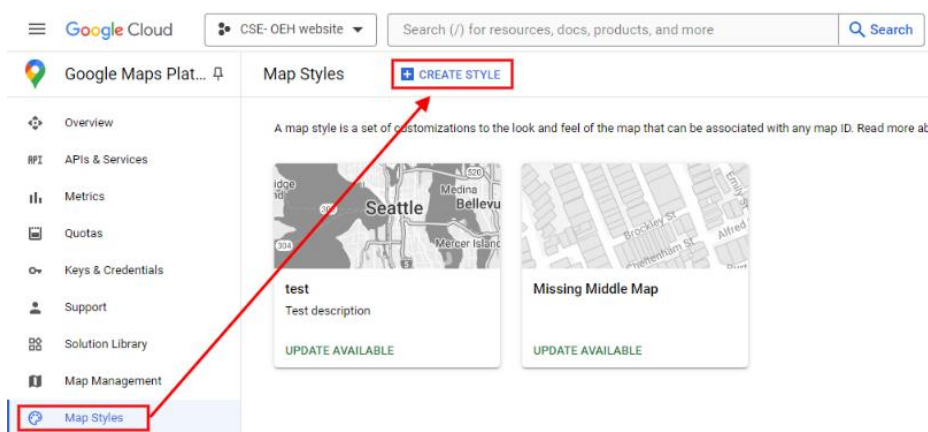
Production: <https://www.planning.nsw.gov.au/government-architect-nsw/housing-design/good-design-for-housing/housing-map>

This CMS guide is to assist with managing the map content, it will cover:

- Create a map in Google Cloud
- Setting up a map and configuring taxonomy in Drupal CMS
- Creating and editing map content
- Adding a map to a webpage

Creating a map in Google Maps

The underlying map background is generated in the Google Cloud console.



Steps to creating a new map:

1. Go to <https://console.cloud.google.com/google/maps-apis/studio/styles?project=cse--oeh-website-1497578763310>
Note: Access requires permission.
2. Go to Map Styles in the left navigation
3. Select a pre-set theme to start ('Create style') or copy an existing map and adjust the settings
4. Give the map a name and description then save
5. Once the map is created, select 'customise' in the top navigation.
6. To adjust the map location – use the search address field to position the map to the specific location required (such as 'Sydney' or 'NSW'). To set the map location, start with a map search (such as 'George St, Sydney'), then zoom out to the required area.
7. To customise the map, choose the filter options in the left side to edit the visible appearance of the map. Map elements can be tweaked by adjusting the filters that control the display of map elements such as buildings, main roads, points of interest, colours etc.
8. Once the map styling has been completed, go to:
 - Map styles > select map > Map (featured) > Map ID (not 'Map style ID').
 - Note the Map ID because it will be inserted into the Map CMS in Drupal.
 - (left navigation) 'Keys and Credentials' and copy the API key. This will be inserted into the Map CMS in Drupal.
9. Go to 'Keys and Credentials'. Ensure the URLs of the website (Prod, Staging, UAT etc) are listed so that the map can render on that site.

Creating a new map in Drupal CMS

Map Component Settings

Once a map has been created in Google Maps Platform, the map API key and Map ID are added into Drupal CMS. All Maps displayed in the Planning website are listed in 'Map Component Settings'

1. Login to the Planning site CMS
<https://www.planning.nsw.gov.au/user/login>
2. Go to 'Configuration' > 'Content Authoring' > 'Map Component Settings'
3. Add the 'Google Cloud Map API Keys' and 'Google Cloud Map ID's

Note the formatting requirement when entering the API key/ID. Use a meaningful name followed by "|" and then the key itself, one per line. E.g., "Primary Key |ClzaSnD...".

Google Cloud Map API Keys

Primary Key|AlzaSyDI-32zqIT-vzfWQp61qd7dKw1kyYXc4MI
Secondary Key|B0zaSyDI-32zqIT-vzfWQp61qd7dKw1kyYXc4MI

Enter each API key with a meaningful name followed by "|" and then the key itself, one per line. E.g., "Primary Key |ClzaSnD..."

Google Cloud Map IDs

Primary ID|efa638a42f90d263
Secondary ID|2d2b86d93546d5b3

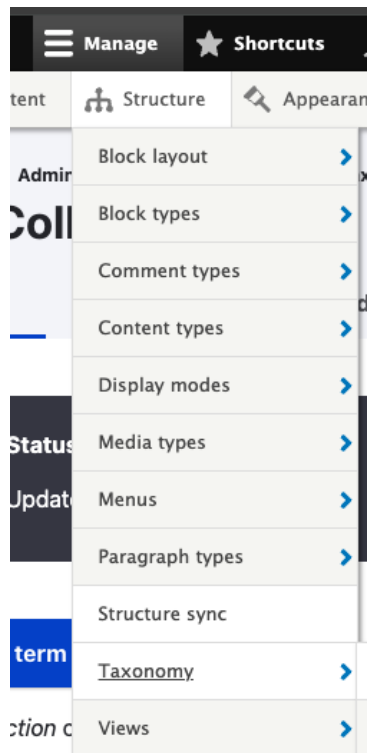
Enter each Map ID with a meaningful name followed by "|" and then the ID itself, one per line. E.g., "Primary ID |efa63..."

Taxonomy configuration

Next you will need to create a map and the associated pin categories.

The first step is to create a map (taxonomy level 1) and then the associated pin categories (taxonomy level 2). For both steps you will use the same CMS form, however you will need to complete different fields in the form.

1. Create the Map configuration
Structure > Taxonomy



2. Locate 'Pin Collection' then '+ Add term'
Structure > Taxonomy > pin collection
3. Create a map (level 1)
Add a 'Name' and complete the fields displayed below. Note: colour is not used at this level.

4. Select published and save.

The screenshot shows the 'Edit term' interface for a map category. The breadcrumb trail is 'Home > Low rise mid rise map'. The title is 'Edit term'. There are five tabs: 'View', 'Edit' (active), 'Delete', 'Preview Link', and 'Devel'. The form fields are as follows:

- Name ***: A text input field containing 'Low rise mid rise map'.
- Field 1 Label**: A text input field containing 'Architect'. Below it is a label 'Label for Field 1 (e.g. Architect)'.
- SVG Icon**: A section with a blue header and an expand/collapse icon. It contains a file upload area with a small image icon, a link to 'architecture_FILLO_wght400_GRAD0_opsz24 1.svg (1.64 KB)', and a 'Remove' button. Below the link is the text 'The SVG icon for Field 1'.
- Infobox CTA Label**: A text input field containing 'View project details'. Below it is a label 'Label for infobox CTA e.g. "View project details"'.
- Popup CTA Label**: A text input field containing 'View project case study'. Below it is a label 'Label for Popup CTA e.g. "View project case study"'.
- Filter Label**: A text input field containing 'Property type'. Below it is a label 'Label for Filter by e.g. "property type"'.
- Colour**: A dropdown menu with '- None -' selected. Below it is a label 'The pin colour displayed on the map.'.
- Published**: A checkbox that is checked, with the label 'Published'.

5. Create pin categories (level 2)

To create a pin – repeat the process above ('+Add term') and fill out the fields shown below:

Note – the fields required are 'Name' (category name eg: 'Dual-Occupancy'), 'SVG' Icon for the category (used on the cards, modal and legend) and 'Colour' (used on the pins, cards and legend)

Assign the category to the level 1 that was created by opening the relations tab and selecting the level 1 map term as the parent. (ie this links the pin items to the parent map you have created)

Now select publish and save, and the term will be created. Repeat this for the other category types.

Manage

Shortcuts

admin

Subscription active

Devel

Rebuild Cache

Content

Structure

Appearance

Extend

Configuration

People

Reports

Help

Name *

Dual-Occupancy

Field 1 Label

Label for Field 1 (e.g. Architect)

SVG Icon

Layer_1.svg (952 bytes)

Remove

The SVG icon for Field 1

Infobox CTA Label

Label for infobox CTA e.g. "View project details"

Popup CTA Label

Label for Popup CTA e.g. "View project case study"

Filter Label

Label for Filter by e.g. "property type"

Colour

Teal 01

The pin colour displayed on the map.

☒ Published

Relations

Parent terms

<root>

Low rise mid rise map

-Low-rise apartment

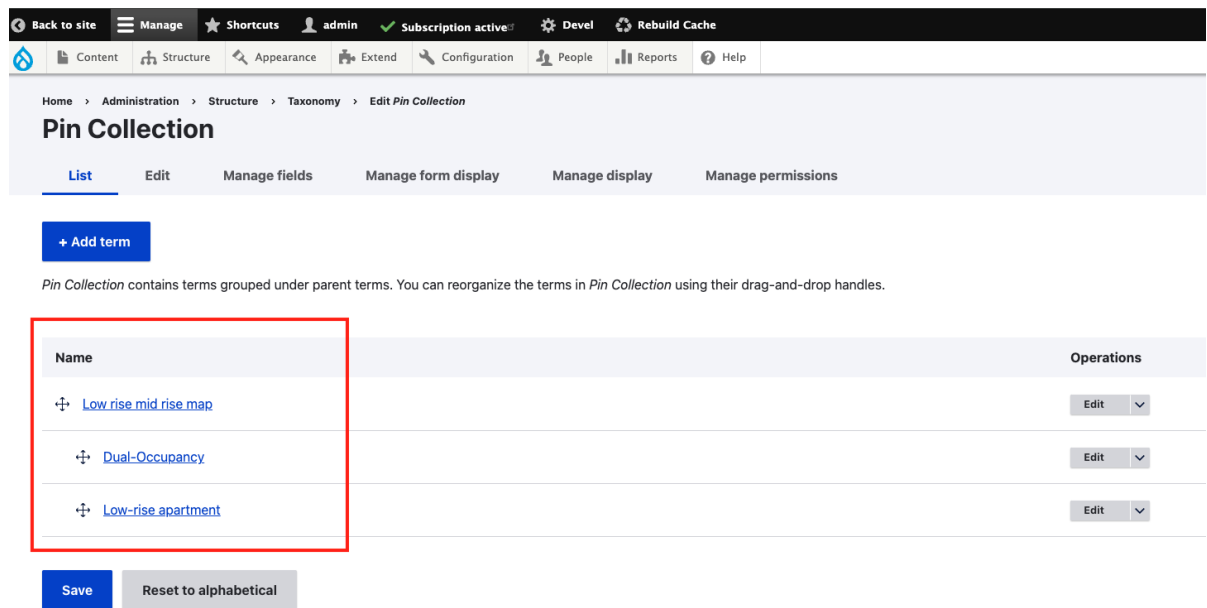
Weight *

0

Terms are displayed in ascending order by weight.

6. Pin collection list view

To confirm the terms have been created and are linked to the correct parent Map, navigate to the pin collection terms list (Structure > Taxonomy > pin collection) and see the top-level Pin term and the associated sub-categories shown by the indent.



7. SVG Files (Icons)

The required SVG files must be coloured to match the background colour selectable from the DDS colour pallet.

See the DDS Pallet - <https://digitalnsw.github.io/nsw-design-system/docs/content/design/theming.html>

The colours approved in the design are as follows:

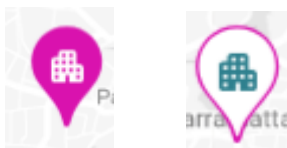
Taxonomy	DDS Colour
 Low-rise apartment	Blue 02 #146CFD
 Mid-rise apartment	Teal 02 #2E808E
 Dual-occupancy	Grey 02 #495054
 Terrace/Townhouse	Orange 01 #941B00

IMPORTANT: Updating map pin SVG colours (inverted pin colours)

Before uploading SVG files to the map category, the SVG must be edited to match the map pin fill colour.

This step is required, to ensure that that the inverted map pin colour is coloured consistently. If not set, the inverted map pin will not match the pin colour.

For example, below is an example of a map pin (default state), and its inverted pin colour (hover state). If the SVG was *not* updated to match (the inverted icon appears in a different colour).

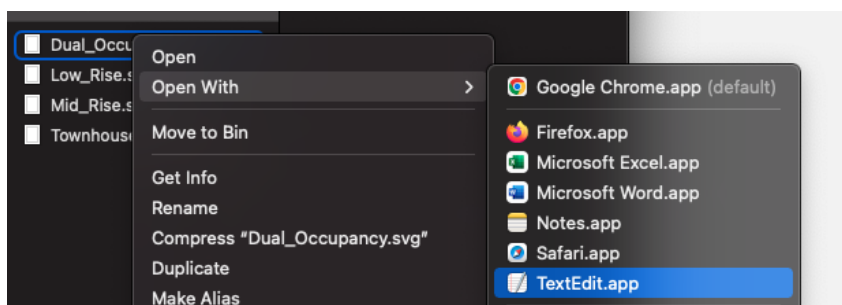


Below is an example of a map pin (default state), and its inverted pin colour (hover state) when the SVG was correctly edited to match the fill colour (blue).

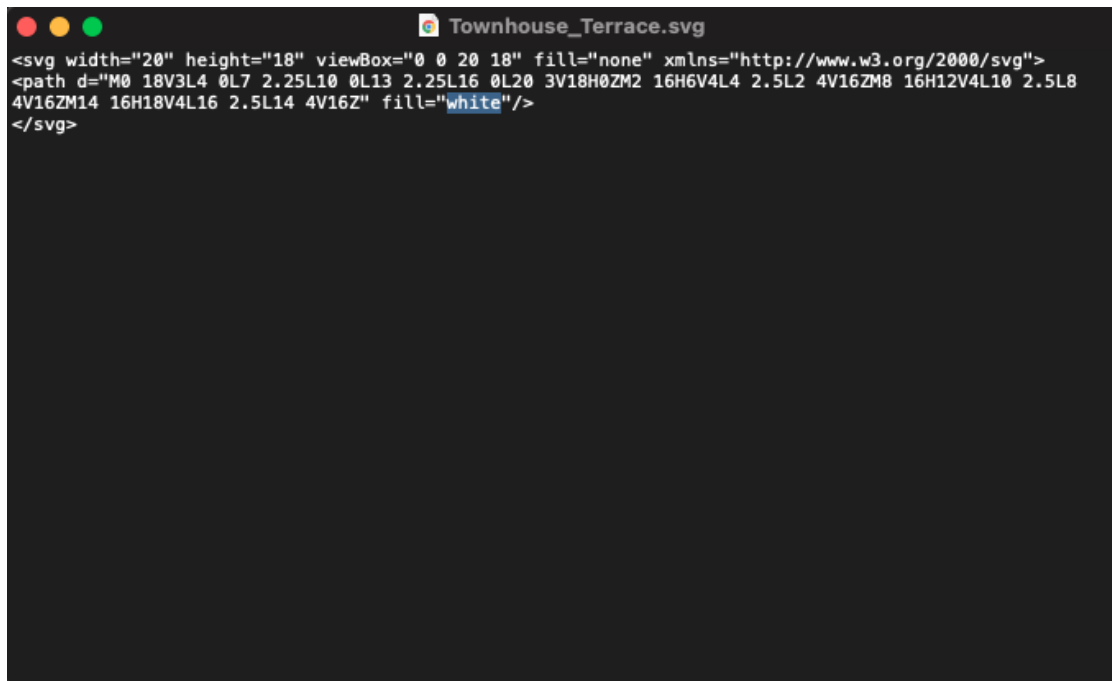


To change the colour of a white SVG the following steps can be taken:

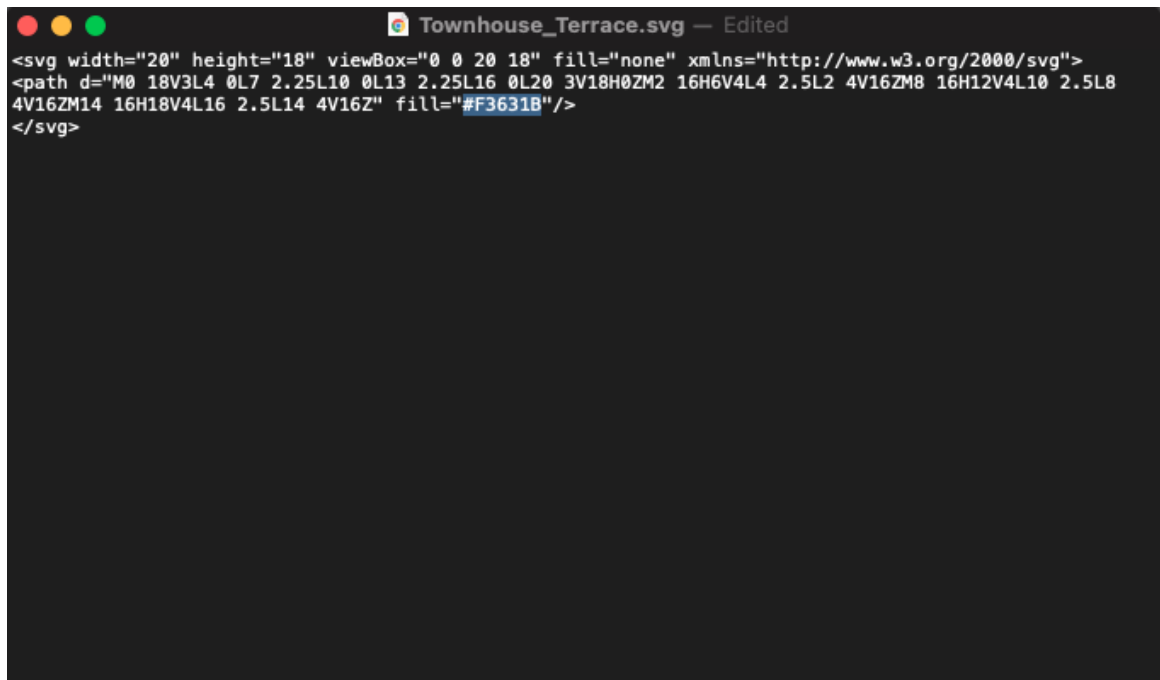
1. Open the SVG file using the TextEdit function (or some other type of text editor, such as Notepad++, or Notepad if necessary)



2. Locate all references to fill='white' – this could be one reference or multiple and then change this reference to use the hex value:



```
Townhouse_Terrace.svg
<svg width="20" height="18" viewBox="0 0 20 18" fill="none" xmlns="http://www.w3.org/2000/svg">
<path d="M0 18V3L4 0L7 2.25L10 0L13 2.25L16 0L20 3V18H0ZM2 16H6V4L4 2.5L2 4V16ZM8 16H12V4L10 2.5L8 4V16ZM14 16H18V4L16 2.5L14 4V16Z" fill="white"/>
</svg>
```



```
Townhouse_Terrace.svg — Edited
<svg width="20" height="18" viewBox="0 0 20 18" fill="none" xmlns="http://www.w3.org/2000/svg">
<path d="M0 18V3L4 0L7 2.25L10 0L13 2.25L16 0L20 3V18H0ZM2 16H6V4L4 2.5L2 4V16ZM8 16H12V4L10 2.5L8 4V16ZM14 16H18V4L16 2.5L14 4V16Z" fill="#F36318"/>
</svg>
```

3. Save changes.
4. This is now ready to upload into the CMS in the SVG icon area.

Note: if you see on rollover that only part of the image is coloured correctly and other parts aren't. Open the svg up again and look for other areas of 'white' (or the colour you are trying to replace) that you might have missed.

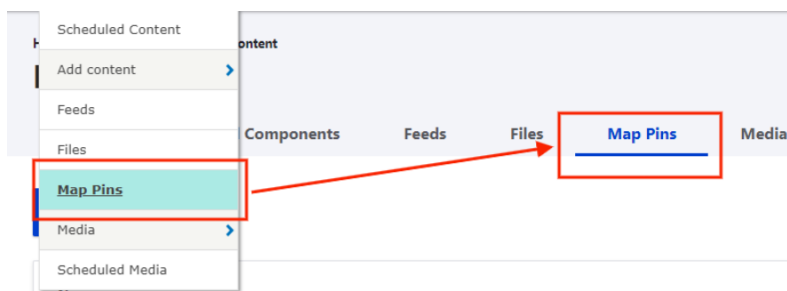
Creating Map Content

Now that you have set up the map taxonomy, the next step is to create the content that will display in the map as pins and the associated list view information.

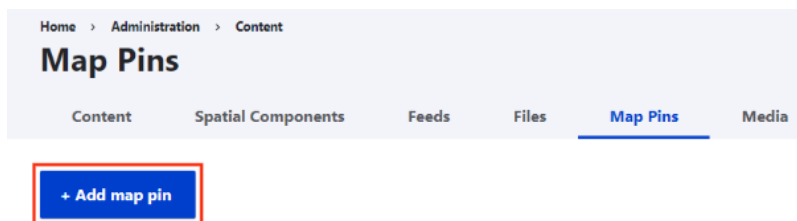
See also the Appendix - *A summary of fields available for map pins*

Steps to creating a pin/list item:

1. Go to Content > Map Pins



2. Select '+ Add map pin'



3. Add pin data

Complete the mandatory fields highlighted below:

Label *

Aperture House

Lat/Long *

Latitude *

-33.88788269

Enter either in decimal -33.88788269 or sexagesimal format -33° 53' 16.3777"

Longitude *

151.2821425

Enter either in decimal 151.2821425 or sexagesimal format 151° 16' 55.713"

The Latitude and Longitude value of the Map Pin

'Pin Type' selection links the pin to the associated parent map

Pin Type *

Dual occupancy (711)

A second level Pin Collection term, which by way of that term's parent will determine which map this pin belongs in

Short Description *

B I S x² x₂ T_x @ Paragraph Styles

The Aperture House(s) are a pair of identical homes for 2 families in the beachside suburb of Bondi. Affordable, sustainable design allows multiple generations to share what was once the site of a single home.

4. Add pin data (cont)

Complete the fields highlighted below:

The main text section of the details popup

Images Show media item weights

aperture-house-1-1000x562.jpg aperture-house-2-1000x562.jpg aperture-house-3-1000x562.jpg

Add media

2 media items remaining.

Images:
Max # 5
Aspect ratio 16:9
Image size 1000 x 562px

Thumbnail Alignment *

centre

Controls alignment of square aspect ratio thumbnail in list view

The first image is featured in list view - chose optimal focal point for the thumbnail image

Suburb *

Bondi

Postcode *

2026

Indigenous Location Name

Bidjigal, Birrabirragal and Gadigal

CTA

Aperture House (10966)

Call to action button in modal links to relevant content page

5. Add pin data (cont)

Complete the fields highlighted below.

Now select 'Save' and the pin will be created. Repeat this for all the pin items.

Field 1 Value *
ssd studio

Field 2 Label
Year of completion

Field 2 Value
2018

Field 3 Label
Number of storeys

Field 3 Value
2

Field 4 Label
Number of homes

Field 4 Value
2

Field 5 Label

Field 5 Value

Field 6 Label

Field 6 Value

Field 7 Label

Field 7 Value

☒ Enabled

Author
Anonymous [0] 🔍

Authored on
29/04/2024 📅 11:22:31 AM 🕒

The time that the map pin was created.

Revision information
No revision ☐ Create new revision

Save **Delete**

Uploading a datafile into the CMS

An alternative method of adding Housing map content is to upload a CSV data file directly into the Drupal CMS. This is a very useful option for bulk updates.

For the upload to succeed, the data file must be correctly formatted. This means the header row must accurately match the titles in the CMS, and the data file must not contain any non-standard character symbols.

Note: You can overwrite existing pin content by uploading a file. If the 'Project name' of the item remains the same but other elements have been updated, the existing map pin content will be refreshed with the new content. However, if the 'Project name' is changed, a new pin record will be created in the CMS.

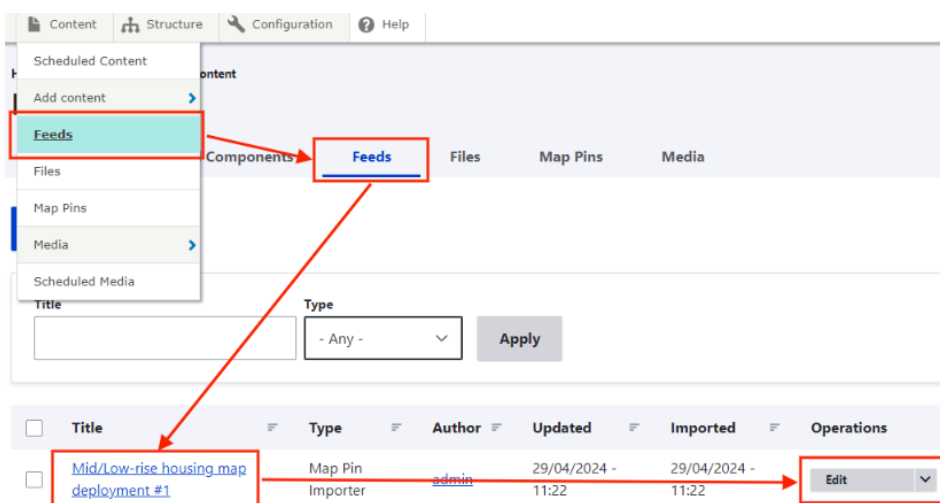
It is recommended that the file contain only new map data, so that there are no accidental regressions.

For example, if the current Housing map contains an existing mid-rise building titled 'Bayswater Gardens' and you modify the data file by changing the project name to 'Bayswater Garden' (without the 's'), uploading this file into the CMS will create a new map pin, resulting in an additional pin alongside the existing one.

See more information in the [Appendix - Map pin importer](#) and download the CSV template: [MissingMiddleMapimportTemplate.csv](#)

Steps to data upload:

1. Go to Content > Feeds
2. See existing version of the CSV upload and select edit, for example 'Mid/Low rise housing map deployment #1'



3. Click on the file link and save it, then delete the existing file and import the latest version.

If there are errors the upload will stall. Reload the page and the error log will display.

Review each error and remove any issues in the CSV file. Typically this could be non-compliant characters (such as: ‘ “ -) which are introduced when content is ‘cut and pasted’ into the spreadsheet. To fix, delete and retype the content directly.

4. Once the file has been reviewed, upload the new CSV version.
Check the Housing Map to confirm the updates are displaying correctly.

The screenshot shows the 'Edit Mid/Low-rise housing map deployment #1' form. The form has tabs for 'View', 'Edit' (selected), 'Delete', and 'Items'. The 'Title' field is labeled 'Title*' and contains 'Mid/Low-rise housing map deployment #2'. A red box highlights the title field with an arrow pointing to it from the annotation 'Update the title name'. The 'File' field is labeled 'File*' and shows a file named 'CSV Upload 4-4-24 V7.csv' (42.57 KB). A red box highlights the file name with an arrow pointing to it from the annotation 'Download the current file and save. Then remove'. A 'Remove' button is next to the file name. The 'Delimiter' field is labeled 'Delimiter' and shows a comma character. A red box highlights the 'No Headers' checkbox with an arrow pointing to it from the annotation 'Leave unticked'. The 'No Headers' checkbox is currently unchecked. The 'Authored by' field is labeled 'Authored by' and contains 'admin (1)'. The 'Authored on' field is labeled 'Authored on' and contains '29/04/2024' and '11:20:48 AM'. At the bottom, there is a 'Save and import' button and a 'Delete' button. A red arrow points to the 'Save and import' button with the annotation 'Save changes and import the new datafile'.

Home > Mid/Low-rise housing map deployment #1

Edit Mid/Low-rise housing map deployment #1

View Edit Delete Items

Title*

Mid/Low-rise housing map deployment #2

The title of this feed, always treated as non-markup plain text.

File*

CSV Upload 4-4-24 V7.csv (42.57 KB) Remove

Select a file from your local system

Delimiter

,

The character that delimits fields in the CSV file.

☐ No Headers

Check if the imported CSV file does not start with a header row. If checked, mapping sources must be named '0', '1', '2' etc.

Authored by

admin (1)

The user ID of the feed author.

Authored on

29/04/2024 11:20:48 AM

The time that the feed was created.

Save and import Delete

Revisions

Once a pin is created, it is possible to revert to earlier versions of a map pin.

1. To access, go to: Content > Map Pin > edit > revisions

Select edit > revisions

88	The Terraces Elara - Stage 1	Enabled	Anonymous	Wed, 21/02/2024 - 18:22	Fri, 15/03/2024 - 12:07	Edit 
89	Biara Street Chester Hill (revision) NEW	Enabled	Anonymous	Wed, 21/02/2024 - 18:22	Tue, 19/03/2024 - 11:40	Edit  Revisions Delete Devel

2. Review historic versions. Click on the link and check to view pin item details.

Home > Administration > Content > Map Pins > Edit The Edge, Throsby (revision 1)	
Revisions	
Revisions	Preview Link
Devel	
Revision	Operations
27/03/2024 - 14:01 by admin Copy of the revision from Wed, 27/03/2024 - 14:00 .	Current revision Revert 
27/03/2024 - 14:00 by admin Revision two	Revert 
27/03/2024 - 14:00 by admin Revision One	Revert 
21/02/2024 - 18:22 by Anonymous (not verified)	Revert 

3. To roll back to an earlier version – select the ‘revert’ button and ‘save’.

Creating a new version

A version is not automatically generated whenever a pin when a pin is updated and saved.

Steps to adding a new version:

1. Go to an existing Map Pin: Content > Map Pin > edit
2. Edit the data as required
3. Scroll to the bottom of the screen and check the ‘Create new revision’ checkbox and enter a revision message.

Revision information
New revision

☒ Create new revision

Revision log message
Change to build date

Briefly describe the changes you have made.

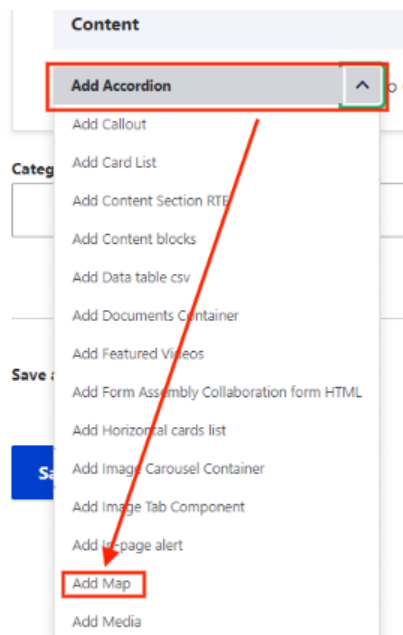
[Save](#)  [Delete](#)

4. This new revision will now be available to revert to from the Pin revision menu as outlined above.

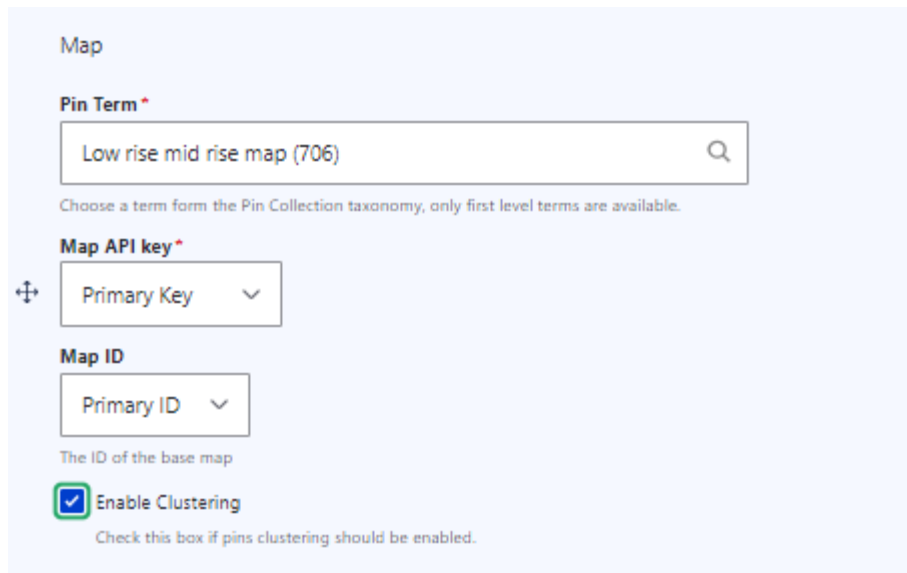
Adding the map to a content page

Once the map taxonomy has been set up and the pin content items created, the map component can be added to a content webpage.

1. Create a content page with no left navigation, configure it as normal.
2. Select the CMS section 'Bottom section'
3. Select 'Add map'



4. Set 'Pin term' to the map configuration created earlier.
5. Set the Map API key
6. Set the Map ID
7. Tick 'enable clustering'
8. Save and publish



Map

Pin Term *

Low rise mid rise map (706)

Choose a term from the Pin Collection taxonomy, only first level terms are available.

Map API key *

Primary Key

Map ID

Primary ID

The ID of the base map

☒ **Enable Clustering**

Check this box if pins clustering should be enabled.

Amending the filter label

The Housing Map includes a 'Filter by Property Type' feature, which can be configured for different scenarios based on the taxonomy setup. The filter label can be edited as needed.

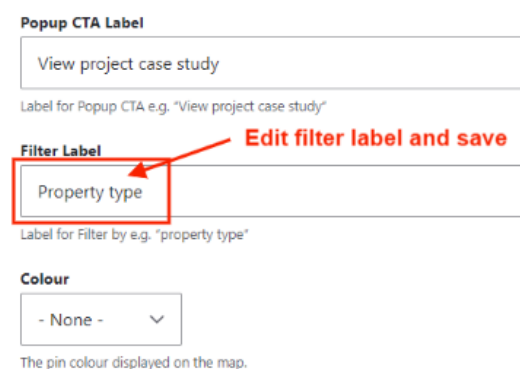


Search by suburb or postcode

Filter by Property type

[Clear all filters](#)

1. Navigate to Structure > Taxonomy > Pin Collection
2. Select the parent item (e.g. Low-rise mid-rise map)
3. Click [Edit]
4. Under 'Filter label' you can edit the text. E.g., 'Filter by Property type'
5. Note: the 'Filter by' text is not editable



Popup CTA Label

Label for Popup CTA e.g. "View project case study"

Filter Label

Label for Filter by e.g. "property type"

Colour

The pin colour displayed on the map.

Appendix

Map pin importer

The map pin importer tool allows bulk upload of map pin data from a CSV.

The importer can be used to update existing pin data or upload new pin data. The importer will update any *existing* map pin the CMS, if it finds a record in the CSV with a matching 'Project name'.

NOTE: The matching is case insensitive; erroneous spaces will cause a mismatch.

IMPORTANT NOTES:

The map importer does not create new revisions (versions) of map pins in the CMS (if it were used to update existing pins).

It is recommended that the Planning team:

- Only use this tool for the bulk upload of new data/pins - CMS editors are unlikely to be double-handling map pin updates (maintaining them in both the CMS, and another master spreadsheet), so 'updating' existing pins from a CSV has a risk of overwriting newer content on the CMS/website. Therefore, always use a CSV which contains only new map pins.
- It is recommended to always test the upload of a new spreadsheet in a non-Production environment (e.g. Staging) as there is risk in breaking the map if data is incorrectly formatted in the CSV

PREPARATION OF THE CSV

1. A template can be found (with an example row of data) here:
[MissingMiddleMapimportTemplate.csv](#)
2. Modify the CSV with the NEW data required for upload.
3. Ensure the 'sample' row of data is deleted – it is there for reference purposes only.

Important notes on the CSV:

- There appears to be no matching on the 'ID' field of the CSV
- Project Name – ensure this is unique. If an existing Project Name is in the CMS with the same name (case insensitive, spaces are not ignored), the existing map pin will be updated (instead of a new pin being created)
- Pin Type ID – ensure the correct ID is used here, the second-level taxonomy selected here will determine which map the uploaded pin will appear on (i.e. the first level taxonomy)
- Up to 5 images can be added to the spreadsheet by listing the ID which can be taken from the URL of the media item, **semicolon** separating IDs.
- The CTA link column values will follow the /node/XXX format (requiring the node ID, not the page URL)
- Always ensure data is formatted as expected. Incorrectly formatting the 'Image IDs' or 'CTA' fields can cause issues upon upload. For example - incorrectly using commas or spaces to separate the image IDs, or by putting in a URL into the CTA field – the map pin will still be uploaded however the data in the 'Image ID' or 'CTA' fields may be blank/incomplete. This is an out-of-the-box contribution module, and it is expected functionality that the record will still be

updated, with the exception of the erroneous fields. An error/warning will display after the upload.

A summary of fields available for map pins

Field Name	Mandatory	Description / Notes	Example
Label	Y		Aperture House
Latitude	Y	IMPORTANT: Take care to enter the correct coordinate value into the field. The help text below the field is misleading (upon save it dynamically populates with whatever value has been entered - out of the box Drupal functionality). If Latitude/Longitude numbers are accidentally swapped in the fields, the map can appear broken.	-33.8878934
Longitude	Y	IMPORTANT: Take care to enter the correct coordinate value into the field. The help text below the field is misleading (upon save it dynamically populates with whatever value has been entered - out of the box Drupal functionality). If Latitude/Longitude numbers are accidentally swapped in the fields, the map can appear broken.	151.2795721
Pin Type	Y	Pin Collection term (taxonomy). This determines which map the pin belongs in.	711 (or Dual-Occupancy)
Short Description	Y		The Aperture House(s) are a pair of identical homes for 2 families in the beachside suburb of Bondi. Affordable, sustainable design allows multiple generations to share what was once the site of a single home.
Images	Y	Minimum 1 image, maximum of 5.	
Thumbnail Alignment	Y	Left, Centre or Right focus on the image in the thumbnail	centre
Suburb	Y		Bondi
Postcode	Y		2026
Indigenous Location Name			Gadigal

CTA		Select the destination page for the 'View property case study' CTA button on the property modal	Aperture House (10966)
Field 1 Value	Y	Used for the Architect name Note: Field 1 Label is stored at the taxonomy	ssd studio
Field 2 Label			Year of completion
Field 2 Value			2018
Field 3 Label			Number of storeys
Field 3 Value			2
Field 4 Label			Number of homes
Field 4 Value			2
Field 5 Label			
Field 5 Value			
Field 6 Label			
Field 6 Value			
Field 7 Label			
Field 7 Value			
Enabled		By default, this should be checked. To 'hide' a pin on the map, uncheck this 'Enabled' option, [Save] the pin.	Selected