



The MapData Services suite of Web Service APIs provide spatial capabilities to help enable websites, visualisations and applications to use location-based services with ease.

Tile API

The Tile API is a service that serves raster data in small pieces known as 'tiles', consumable within WMS, WMTS and Esri software platforms. Within Tile API, users will need to use a mapping API, such as Open Layers, Leaflet, Google, or Bing in order to combine the tiles to get a more complete view of the raster data.

Features API

The Features API service enables a user's location data by empowering developers to integrate spatial data searches using a HTTP request. The service enables data to be presented in ways such as showing map markers and details of store locations on a map. From here, data can be automated (in any format) into the database to enable successful service implementation.

Geocode API

With the ability to determine the geographic location of a street address, suburb, or postcode using a web service HTTP/S request, this service carefully pulls data from full or partial street addresses in Australia and New Zealand via latitude and longitude coordinates and converts this into more validated addresses and complex, detailed coordinates.

Reverse Geocode API

As an advanced API service, the Reverse Geocode API provides the ability to convert a Latitude/Longitude value into an address through a web service method using HTTP/S requests.

Suggestions API

As a HTTP/S web service, the Suggestions API returns information about places, such as providing the user with place predictions based on a specified textual input and filters.

Place API

The Place API will return a list of places based on the user's geographic location or an area, including detailed information on such place. This service can operate using location context to reveal specific insights on an area. The API includes functions for: Search UID, Search Nearby, Search Area and Search Polygon.

Shape API

The Shape API will return a list of polygons based on performing a spatial query on a polygon dataset using a RESTful interface. The API include functions for: Search UID, Search Point, Search Nearby, Search Area and Search Polygon.



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