

# Geocodes

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## What are Geocodes?

Geocodes allow you to retrieve geographic information related to an address that you retrieve from our service.



Note: Geocodes are only available in Plus and Enterprise plans.

We source location information from our global data suppliers, including Ordnance Survey UK and TomTom, and combine this information with our address data to provide location and associated accuracy for every address we capture.

A sample result is shown below:

```
"location": {  
  "latitude": 40.863013,  
  "longitude": -73.922423,  
  "crs": "EPSG:4326",  
  "accuracy": "BUILDING"  
}
```

The term "CRS" stands for Coordinate Reference System. In our location data, we consistently provide a latitude and a longitude coordinate. Here, "EPSG:4326" is the designation for latitude and longitude in the WGS84 system – a standard recognized worldwide by navigation systems, Google Maps, and similar platforms.

## How reliable is this data?

The accuracy parameter indicates the accuracy of the returned coordinate, with the majority of our location information available at BUILDING (rooftop) level. Where rooftop accuracy isn't available for an address we return a coordinate with less accuracy as per the table below.

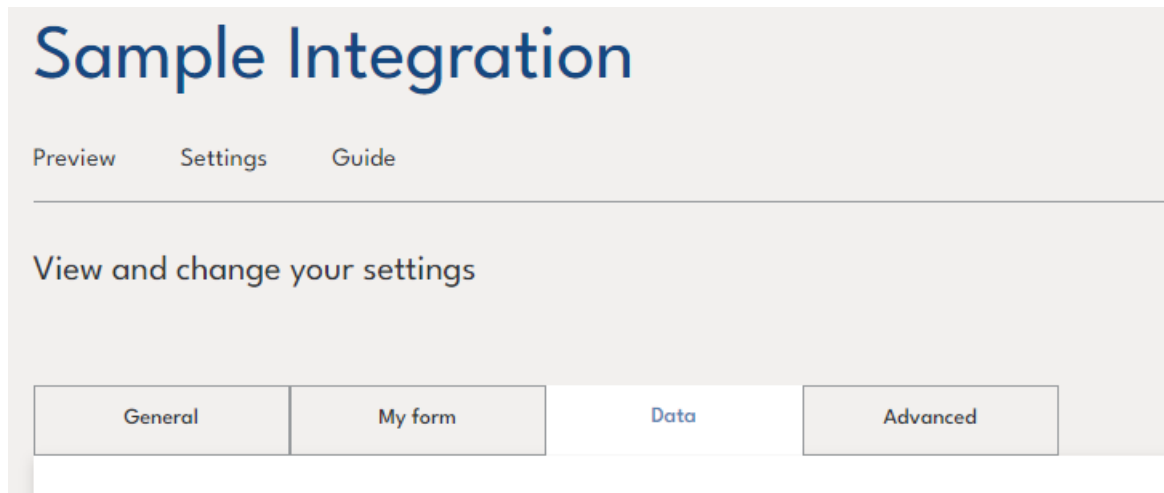
ACCURACY	DESCRIPTION
BUILDING	Rooftop accuracy
STREET	If we don't yet have a building coordinate for an address, but we do have coordinates for other addresses on that street, then we assign the address a street level accurate location.
POSTCODE	We have building level coordinates for the vast majority of addresses in UK and Netherlands, however some newer addresses may be missing a building level coordinate. As UK and Netherlands postcodes are small enough to provide accurate location information, we return the coordinates of the centroid of the postcode.
LOCALITY	For bigger postcodes (e.g. Zip codes), City level accuracy, etc. we return an accuracy of LOCALITY.

For some countries we can also provide coordinate information in their local map projection, e.g. we can return Easting, Northing in UK National Grid.

A full list of the location accuracy for our countries is provided in the table at the bottom of this article.

## How do I get Geocodes for an Address?

Geocodes are returned in the Lookup if you choose if from the Data tab in your integrations settings.



Toggle on the check-box for location, and any other data you want returned with the address.

### Returned data ⓘ

Select your required data.

Name	Description		
location	Returns location data such as Latitude and Longitude	<input checked="" type="checkbox"/>	∨
<pre>location:   longitude: -6.272101   latitude: 53.343913   crs: "EPSG:4258"   accuracy: "BUILDING"</pre>			
gb_identifiers	Returns identifiers for the UK such as UDPRN, UPRN, USRN	<input type="checkbox"/>	>
gb_location	Returns UK location data such as easting and northing	<input type="checkbox"/>	>
ie_admin	Returns IE admin data	<input checked="" type="checkbox"/>	>
ie_building	Returns IE building data	<input checked="" type="checkbox"/>	>

## Location Accuracy by Country

COUNTRY	LOCATION ACCURACY
Åland Islands	BUILDING
Algeria	BUILDING
Andorra	STREET
Argentina	BUILDING
Armenia	BUILDING
Australia	BUILDING
Austria	BUILDING
Azerbaijan	BUILDING
Bahrain	BUILDING
Belarus	BUILDING
Belgium	BUILDING
Bosnia and Herzegovina	BUILDING
Brazil	BUILDING
Brunei Darussalam	BUILDING
Bulgaria	BUILDING
Cambodia	BUILDING
Canada	BUILDING
Chile	BUILDING
Colombia	BUILDING
Croatia	BUILDING
Cyprus	BUILDING
Czech Republic	BUILDING
Denmark	BUILDING
Ecuador	BUILDING
Egypt	BUILDING
Estonia	BUILDING
Faroe Islands	BUILDING
Finland	BUILDING
France	BUILDING
French Guiana	BUILDING
Georgia	BUILDING
Germany	BUILDING
Greece	BUILDING
Guadeloupe	BUILDING
Guam	STREET
Guernsey	POSTCODE
Hong Kong	BUILDING
Hungary	BUILDING
Iceland	BUILDING
India	BUILDING
Indonesia	BUILDING
Ireland	BUILDING
Isle of Man	POSTCODE
Israel	BUILDING
Italy	BUILDING
Jersey	POSTCODE
Jordan	BUILDING
Kazakhstan	BUILDING

COUNTRY	LOCATION ACCURACY
Kosovo	BUILDING
Kuwait	BUILDING
Kyrgyzstan	BUILDING
Lao People's Democratic Republic	BUILDING
Latvia	BUILDING
Lebanon	BUILDING
Liechtenstein	BUILDING
Lithuania	BUILDING
Luxembourg	BUILDING
Macao	BUILDING
Malaysia	BUILDING
Martinique	BUILDING
Mayotte	BUILDING
Mexico	STREET
Moldova, Republic of	BUILDING
Monaco	STREET
Morocco	BUILDING
Myanmar	BUILDING
Namibia	BUILDING
Netherlands	BUILDING
New Zealand	BUILDING
North Macedonia	BUILDING
Norway	BUILDING
Paraguay	BUILDING
Peru	BUILDING
Philippines	BUILDING
Poland	BUILDING
Portugal	BUILDING
Puerto Rico	STREET
Qatar	BUILDING
Réunion	BUILDING
Romania	BUILDING
Russian Federation	BUILDING
San Marino	BUILDING
Saudi Arabia	BUILDING
Serbia	BUILDING
Singapore	BUILDING
Slovakia	BUILDING
Slovenia	BUILDING
South Africa	BUILDING
Spain	BUILDING
Sweden	BUILDING
Switzerland	BUILDING
Taiwan, Province of China	BUILDING
Tajikistan	BUILDING
Thailand	BUILDING
Tunisia	BUILDING
Turkey	BUILDING
Ukraine	BUILDING

COUNTRY	LOCATION ACCURACY
United Arab Emirates	BUILDING
United Kingdom	BUILDING*
* Northern Ireland is POSTCODE accuracy	
United States	BUILDING
Uruguay	BUILDING
Viet Nam	BUILDING
Virgin Islands, U.S.	BUILDING

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