# How to use geocode

**Call:**

geocode -c cfg\_file [&]

geocode runs until it is killed.

**Parameters:**

c path/name of configuration file. This file specifies the geolocation services that the program will use to find the user’s address. It may look like this:

[site1]

addrs=https://geocoder.api.here.com/6.2/geocode.json?app\_id=nsAZMhXUr4UIVZOdyUjS&app\_code=5IRTYqBmncHJhDNzyahEiA&searchtext={REQ\_ADDR}

class=GeoConnectHERE

[site2]

addrs=https://maps.googleapis.com/maps/api/geocode/json?address={REQ\_ADDR}&key=AIzaSyArGoihZ66qRPdnYqnSox2gofuhWrYIE4g

class=GeoConnectGoogle

The highlighted words in green are where the IDs that were given by the service when you register will go. The {REQ\_ADDR} placeholder gets substituted by the user’s address query within the geocode program. The order of the sites is important, since geocode will access them in turn until it receives the information. There is a maximum of four sites allowed.

**Usage:**

A client can access the service with a GET query:

<http://server_host.domain?addr=123+Main+Peoria+IL>

The successful response will be in JSON format:

{“geocode”:{“address”:”123 Main St., Peoria, IL 61601, USA”,”map”:{“lat”: 40.6936,”lng”:-89.5890}}}

Or, in human readable form:

{

“geocode”:

{

“address”: “123 Main St., Peoria, IL 61601, USA”,

“map”:

{

“lat”: 40.6936,

“lng”: -89.5890

}

}

}

Upon failure, an error string will be returned. Possible values are:

"Could not get coordinates"

geocode could not receive the GET query.

"'addr' not found in query"

geocode could not read the address given in the GET query.

"Cannot find geo server"

No geolocation server could be found, given the configuration settings.

"Unable to send: " request

The access to the geolocation server failed.

"No information available"

The geolocation server could not provide the information for that address.

http://whereisthis.com?addr=123+Main+Peoria+IL

geolocate server

geocode

HERE or Google or other

client

{

“geocode”:

{

“address”: “123 Main St., Peoria, IL 61601, USA”,

“map”: {

“lat”: 40.6936,

“lng”: -89.5890

}

}

}