

1. Introduction

The easiest way to get familiar with Location Gateway API functionality is to invoke it from the two web-based test tools supplied on the API server. These are found at:

<http://www.mcproton.com/api/v2/simpletest.asp>

<http://www.mcproton.com/api/v2/testbed.asp>

These test tools require a web browser with XML capability. We recommend Microsoft Internet Explorer version 5.5 SP2 or above.

For data security reasons, these web-based test tools return only random locations, and do not invoke the live mobile handset location feed function.

Simple Test

The simple test tool sends a pre-built XML request document to the API and displays the response.

Run the simple test tool with the following settings:

- Translate Raw XML - check
- Select WHAT you are looking for - pick a category from the drop-down list
- Enter a mobile number - enter your mobile phone number. Use the full international dialling number notation, prefixing the phone number with +44 and dropping the leading zero from the number prefix.
e.g. for 07123 654321, enter +447123654321

Then click the search button.

The API will return a formatted page showing the location of the phone (using a random location) and details of the 10 nearest results from the selected category.

Now repeat the test with the "Translate Raw XML" setting unchecked. This time the API returns the raw XML-formatted response document. The XML schema for the response document can be found in [Appendix A](#).

Testbed

The testbed tool allows you to edit the XML request document.

Run the testbed tool with the following setting:

- Translate Raw XML - check

Click on the selection bar to choose what to look for. Note that the `<term><id>` value in the XML request document is updated with the corresponding term code, and / or the `<businessname>` value is set to the merchant name. The XML schema for the request document can be found in [Appendix A](#).

Then click the search button.

The API will return a formatted page showing the location of the phone (using a random location) and details of the 10 nearest results from the selected category.

2. Searching

The API will look for business names beginning with the supplied `<businessname>` value in the supplied category `<term><id>` nearest to the user's location. You can use either a category ID or a business name or both.

Searching by Name

You can use the API to search for businesses by name. Using the testbed, click the selection bar to choose McDonalds. Note that a category ID value is put in the `<term><id>` element and the name is put in the `<businessname>` element.

Remove the `<term><id>` parameter, and try using the API with `<businessname>` values of "Boots".

```
<search>  
<businessname>Boots</businessname>  
</search>
```

The API will return results across all categories. Now try again with "Boots Dentalcare".

```
<search>  
<businessname>Boots Dentalcare</businessname>  
</search>
```

Search for Category

You can use the API to search for businesses by category. Using the testbed, click the selection bar to choose Cash Machines. Note that a category ID value is put in the `<term><id>` element.

```
<search>  
<term><id>1867</id></term>  
</search>
```

The API will look for all entries in the supplied category <id>.

Now try using the API with category values of 1650, then with 721.

A full list of supported categories and their ID values are supplied in [Appendix A](#).

Number of Results

By default, the API returns the 10 nearest businesses to the user. Edit the <numresults> element to increase or reduce this number.

```
<search>  
<term><id>2520</id></term>  
<numresults>3</numresults>  
</search>
```

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