# Filtering by Type and Subtype

## 1. The service.

To provide information about POI´s we use the find service. In this service we use a latitude and a longitude parameters to give to the application our position in Earth. With this position the service find the nearest POI´s to you.
Sometimes we need to filter this POI´s, for example, if we are looking for ATM´s we don´t need to show the Branch´s in the map, so we don´t need the service to return this kind of POI´s.
In this sprint we are improving the service so now you can filter by Type and SubType of POI.

## 2. Calling the service.

We have deployed the service in development environment for test purpose and the URL to call is:
https://back.branchlocatorsb.p.azurewebsites.net/branch-locator/find/defaultView?config={"coords":[40.425168,-3.68463]}
In the URL you can see the coords parameter. It´s where you specify your current position.

### 2.1. The new parameters.

We have two new parameters in order to filter the results.
*filterType*   Type or types of the POI separated by comma.
*filterSubtype*   Subtype or subtypes of the POI separated by comma.

### 2.2. The values.

| TYPE | SUBTYPE |
|---|---|
| **BRANCH** | SELECT |
| | BANCAPRIVADA |
| | PYME |
| | WORKCAFE |
| | EMPRESAS |
| | UNIVERSIDADES |
| | CLIENTES_POPULAR |
| | CLIENTES_PASTOR |
| | CLIENTES_BANEFE |
| | RESIDENTES |
| | GRANDES_SUPERFICIES |
| | AG_COLABORADORES |
| | AG_FINANCIEROS |
| **ATM** | ATM NON_SANTANDER_ATM |
| **CORRESPONSALES** | CORRESPONSALES |
| | ELEVEN |
| | CIRCLE_K |
| | TIENDA_EXTRA |
| | |

| | |
|---|---|
| | TIENDA_K |
| | TELECOMM |
| | SUPER7_24 |
| | OXXO |

## 2.3. Our test.

The way to test the service is making calls to the service using the combination of parameters/value and check the result of the service.

For example.
If you want to obtain:

- Nearest ATM:

https://back.branchlocatorsb.p.azurewebsites.net/branchlocator/
find/defaultView?config={"coords":[40.425168,-3.68463]}&filterType=ATM

- Nearest WorkCafe:

https://back.branchlocatorsb.p.azurewebsites.net/branchlocator/
find/defaultView?config={"coords":[40.425168,-3.68463]}&filterSubtype=WORKCAFE

```
You can check the JSON returned and the values of the fields
"objectType": { "code": "BRANCH"………. } -->  Is the value of filterType desired.
"subType": {"code": "WORKCAFE"…….} -->  Is the value of filterSubtype desired.
```

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