

Barcelona Agenda Information

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The Barcelona Streets Service is invoked using HTTP requests.

If the request is successful, the HTTP status code will be in the **200** range. The response may include data in JSON or XML format (depending on the 'Accept' header sent in the corresponding request).

In case of error, the HTTP status code will be one of the following:

- **400** - Bad request: there request is built incorrectly (missing parameter, type mismatch, etc.)
- **403** - Forbidden: the logged user has no privileges for executing the request
- **404** - Not found: the requested resource does not exist

The response will also include details of the error in JSON or XML format. It will include the following fields:

- **code**: the error code (can be used for determining the cause of the error)
- **class**: the exception class that caused the error
- **message**: the message contained in the exception class

The supported error codes are:

- **URL_NOT_FOUND**: the requested URL can't be found in the server

- **BAD_REQUEST**: the request is malformed
- **RESOURCE_NOT_FOUND**: the requested resource can't be found in the server

Examples

Example request: /agenda/query

Response:

```
{
  "meta":{
    "v":"1.0",
    "status":"OK",
    "code":200,
    "timeRef":1393668150,
    "msg":""
  },
  "data":{
    "startIndex":0,
    "itemsPerPage":1,
    "totalResults":10,
    "entry":[
      {
        "address":"G.V. Corts Catalanes 373",
        "city":"Barcelona",
        "code_url":"www.arenasdebarcelona.com",
        "district":"Eixample",
        "gmapx":"41.376007",
        "gmapy":"2.149957",
        "id":"99400267330",

        "internetref":"http://w10.bcn.cat/APPS/asiw/ObtenerImagen?vId=2&eId=99400267330",
        "name":"Centre Comercial Arenas de Barcelona",
        "phonenummer":"932890244",
        "type":"Entitats i equipaments",
        "pos":"1",
        "tp":"EQ"
      }, ...
    ]
  }
}
```

The document payloads are divided into two main sections:

- **meta**: includes information on the current API version and on the return codes for the requested resource.
- **data**: collects the actual requested information. Together with the collection of data entries, the object also provides information for pagination.

Barcelona Agenda Service Data Types

The data types used in the operations for this service are explained in this section. The corresponding service operations are explained in next section.

DATA TYPE

FIELD	TYPE
address	String
city	String
code_url	String
district	String
gmapx	String
gmapy	String
id	String
internetref	String
name	String
Phonenumber	String
type	String
pos	String
tp	String

Barcelona Agenda Service Operations

In this section we overview all the available operations that offers the Agenda Service.

List of operations

- /agenda/query
- /agenda/district/all
- /agenda/category/all
- /agenda/codes
- /agenda/codes/{parent_codetype}/{parent_code}
- /agenda/detail/{id}
- /agenda/detail/{id}/phones
- /agenda/detail/{id}/relations
- /agenda/detail/{id}/categories

Barcelona query all agenda

URL: /equipments/query

Method: *GET*

Mandatory Parameters: *None*

Optional Parameters: *nr (default value "10") String
from (default value "0") String
idma (default value "es") String
q (default value "*:*) String
districtstr (default value "") String
sort (default value "") String
code0 (default value "") String
code1 (default value "") String
code2 (default value "") String*

Response Object: *String*

Example

URL: /equipments/query?districtstr=Eixample&q=cine

Parameters: *districtstr=Eixample
q=cine*

JSON response

```
{  
  "meta": {  
    "v": "1.0",
```

```

    "status": "OK",
    "code": 200,
    "timeRef": 1393668150,
    "msg": ""
  },
  "data": {
    "startIndex": 0,
    "itemsPerPage": 1,
    "totalResults": 10,
    "entry": [
      {
        "address": "G.V. Corts Catalanes 373",
        "city": "Barcelona",
        "code_url": "www.arenasdebarcelona.com",
        "district": "Eixample",
        "gmapx": "41.376007",
        "gmapy": "2.149957",
        "id": "99400267330",

        "internetref": "http://w10.bcn.cat/APPS/asiw/ObtenerImagen?vId=2&eId=99400267330",
        "name": "Centre Comercial Arenas de Barcelona",
        "phonenumber": "932890244",
        "type": "Entitats i equipaments",
        "pos": "1",
        "tp": "EQ"
      }, ...
    ]
  }
}

```

Barcelona all agenda districts

URL: /agenda/district/all

Method: *GET*

Mandatory Parameters: *None*

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/district/all

Parameters: *None*

JSON response

```
{
  "meta":{
    "v":"1.0",
    "status":"OK",
    "code":200,
    "timeRef":1393683001,
    "msg":""
  },
  "data":{
    "startIndex":0,
    "itemsPerPage":1,
    "totalResults":10,
    "entry":
    [
      {
        "id":1,
        "district":"Eixample"
      }, ...
    ]
  }
}
```

Barcelona all agenda categories

URL: /agenda/category/all

Method: *GET*

Mandatory Parameters: *None*

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/category/all

Parameters: *None*

JSON response

```
{
  "meta":
  {
    "v":"1.0",
    "status":"OK",
    "code":200,
    "timeRef":1393688619,
    "msg":""
  },
}
```

```
"data":
{
  "startIndex":0,
  "itemsPerPage":1,
  "totalResults":37,
  "entry":
  [
    {
      "category":"Restaurants",
      "code":"0040101012",
      "codetype":0
    }, ...
  ]
}
```

Barcelona agenda code

URL: /agenda/codes

Method: *GET*

Mandatory Parameters: *None*

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/category/all

Parameters: *None*

JSON response

```
{
  "meta":
  {
    "v":"1.0",
    "status":"OK",
    "code":200,
    "timeRef":1393867342,
    "msg":""
  },
  "data":
  {
    "startIndex":0,
    "itemsPerPage":1,
    "totalResults":18,
```

```
    "entry":
      [
        {
          "code": "0040101001",
          "name": "Administració Pública",
          "url": "index.php?pg=search&q=:*&type=EQ&nr=10&code0=0040101001"
        }, ...
      ]
    }
  }
```

Barcelona agenda by codetype and parent code

URL: /agenda/codes/{parent_codetype}/{parent_code}

Method: *GET*

Mandatory Parameters: *parent_codetype int*
Parent_code int

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/codes/0/0040101001

Parameters: *parent_codetype = 0*
Parent_code= 0040101001

JSON response

```
{
  "meta":
  {
    "v": "1.0",
    "status": "OK",
    "code": 200,
    "timeRef": 1393867342,
    "msg": ""
  },
  "data":
  {
    "startIndex": 0,
    "itemsPerPage": 1,
    "totalResults": 18,
    "entry":
    [
      {
```



```
"code": "0040101001",
"name": "Administració Pública",
"url": "index.php?pg=search&q=*&type=EQ&nr=10&code0=0040101001"
  }, ...
]
}
}
```

Barcelona agenda detail by ID

URL: /agenda/detail/{id}

Method: *GET*

Mandatory Parameters: *id: String*

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/detail/99400267330

Parameters: *id: 99400267330*

JSON response

```
{
  "meta":
  {
    "v": "1.0",
    "status": "OK",
    "code": 200,
    "timeRef": 1393933504,
    "msg": ""
  },
  "data":
  {
    "startIndex": 0,
    "itemsPerPage": 1,
    "totalResults": 1,
    "entry":
    [
      {
        "entity_id": "99400267330",
        "entity_type": "EQ",
        "act_name": null,
        "tickettype_code": null,
        "act_type": null,
        "warning": null,

```

```
    "comments": "Obertura al públic: 25 de març de 2011.<br>Ubicat a l'antiga  
    plaça de braus les Arenes.",  
    "institution_id": null,  
    "institutionname": null,  
    "street": "G.V. Corts Catalanes",  
    "streetnum_i": "373*385",  
    "district": "Eixample",  
    "barri": "La Nova Esquerra de l'Eixample",  
    "postalcode": "08015",  
    "city": "Barcelona",  
    "coordaddressx": "29011.712",  
    "coordaddressy": "81051.651",  
    "dies": "De dilluns a dissabtes",  
    "hores": "de 10:00 h a 22:00 h",  
    "preu": null,  
    "gmapx": "41.376007053255",  
    "gmapy": "2.1499569007121",  
    "name": "Centre Comercial Arenas de Barcelona",  
    "date": null  
  }  
]  
}  
}
```

Barcelona related phones by Agenda ID

URL: /agenda/detail/{id}/phones

Method: *GET*

Mandatory Parameters: *id: String*

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/detail/99400267330/phones

Parameters: *id: 99400267330*

JSON response

```
{  
  "meta":  
  {  
    "v": "1.0",  
    "status": "OK",  
    "code": 200,  
    "timeRef": 1393933581,  
  }  
}
```

```
    "msg":""
  },
  "data":
  {
    "startIndex":0,
    "itemsPerPage":1,
    "totalResults":1,
    "entry":
    [
      {
        "phone_code":"00020001",
        "phonenumber":"932890244",
        "label":"Telèfon"
      }, ...
    ]
  }
}
```

Barcelona related equipment by ID

URL: /agenda/detail/{id}/relations

Method: *GET*

Mandatory Parameters: *id: String*

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/detail/92086011921/relations

Parameters: *id: 92086011921*

JSON response

```
{
  "meta":
  {
    "v":"1.0",
    "status":"OK",
    "code":200,
    "timeRef":1393933826,
    "msg":""
  },
  "data":
  {
    "startIndex":0,
    "itemsPerPage":1,
```

```
    "totalResults":1,
    "entry":
    [
      {
        "entity_id":"92086011921",
        "reltype":"2",
        "direct":"Se celebra a",
        "institutionname":"Parc de la Ciutadella"
      }, ...
    ]
  }
}
```

Barcelona detail categories by equipment ID

URL: /agenda/detail/{id}/categories

Method: *GET*

Mandatory Parameters: *id: String*

Optional Parameters: *None*

Response Object: *String*

Example

URL: /agenda/detail/92086011921/categories

Parameters: *id: 92086011921*

JSON response

```
{
  "meta":
  {
    "v":"1.0",
    "status":"OK",
    "code":200,
    "timeRef":1393933754,
    "msg":""
  },
  "data":
  {
    "startIndex":0,
    "itemsPerPage":1,
    "totalResults":12,
    "entry":
    [
      {
        "codetype":"code0",
```

```
"code": "0040101001",  
  "name": "Administració Pública"  
    }, ...  
  ]  
}  
}
```