Discovery API Documentation

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Name	URL	Description
GitHub	https://github.com/cofomo-platform/discovery	Repository of the discovery project
API-Documentation	https://discovery.cofomo.io	Autogenerated up to date API documentation
☑ Swagger-UI	https://discovery.cofomo.io/swagger	Interactive test suite of the API
API	https://discovery.cofomo.io/api	Discovery API

1. Discovery Provider API

Collection of endpoints to manage provider operations

1.1. Get all providers

Sample Request

```
GET /v1 HTTP/1.1
Host: api.cofomo.org
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 479

[ {
  "id" : null,
  "name" : "Carsharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72072 ],
  "serviceOffers" : [ "carsharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.449426"
}, {
  "id" : null,
  "name" : "BikeSharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72073 ],
  "serviceOffers" : [ "bikesharing", "escootersharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.449464"
} ]
```

1.2. Get all active providers

Depending if endpoints of mobility provider still active

Sample Request

```
GET /v1/active HTTP/1.1
Host: api.cofomo.org
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 479

[ {
  "id" : null,
  "name" : "Carsharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72072 ],
  "serviceOffers" : [ "carsharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.468338"
}, {
  "id" : null,
  "name" : "BikeSharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72073 ],
  "serviceOffers" : [ "bikesharing", "escootersharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.468361"
} ]
```

1.3. Add provider

Sample Request

```
POST /v1 HTTP/1.1
Content-Type: application/json
Accept: application/json
Host: api.cofomo.org
Content-Length: 225

{
  "id" : null,
  "name" : "Carsharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72072 ],
  "serviceOffers" : [ "carsharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.38044"
}
```

Fields of Request Body

Path	Type	Description
id	Null	Autogenerated UUID of the provider

Path	Type	Description
name	String	Name of the provider
url	String	URI-endpoint of provider
operationAreas	Array	Operation area of provider
serviceOffers	Array	Services offered by provider
alive	Boolean	Service still alive?
lastHeartBeat	String	Time of last heart beat

Sample Response

```
HTTP/1.1 201 Created
Content-Type: application/json
Content-Length: 225

{
  "id" : null,
  "name" : "Carsharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72072 ],
  "serviceOffers" : [ "carsharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.38044"
}
```

1.4. Get provider by id

Sample Request

```
GET /v1/1 HTTP/1.1
Accept: application/json
Host: api.cofomo.org
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 226

{
  "id" : null,
  "name" : "Carsharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72072 ],
  "serviceOffers" : [ "carsharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.488551"
}
```

Fields of Response Body

Path	Type	Description
id	Null	Autogenerated UUID of the provider
name	String	Name of the provider
url	String	URI-endpoint of provider
operationAreas	Array	Operation area of provider
serviceOffers	Array	Services offered by provider
alive	Boolean	Service still alive?
lastHeartBeat	String	Time of last heart beat

1.5. Update provider

Sample Request

```
PUT /v1/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
Host: api.cofomo.org
Content-Length: 226

{
  "id" : null,
  "name" : "Carsharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72072 ],
  "serviceOffers" : [ "carsharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:32.527213"
}
```

Fields of Request Body

Path	Type	Description
id	Null	Autogenerated UUID of the provider
name	String	Name of the provider
url	String	URI-endpoint of provider
operationAreas	Array	Operation area of provider
serviceOffers	Array	Services offered by provider
alive	Boolean	Service still alive?
lastHeartBeat	String	Time of last heart beat

Sample Response

```
HTTP/1.1 202 Accepted
```

1.6. Remove provider

Sample Request

```
DELETE /v1/1 HTTP/1.1
Host: api.cofomo.org
```

Sample Response

```
HTTP/1.1 200 OK
```

2. Discovery Consumer API

Collection of endpoints to manage crud operations

2.1. Lookup by travel request

Sample Request

```
POST /v1/lookup/search HTTP/1.1
Content-Type: application/json
Accept: application/json
Host: api.cofomo.org
Content-Length: 198

{
  "origin" : {
    "latitude" : 48.521637,
    "longitude" : 9.057645
  },
  "destination" : {
    "latitude" : 48.521637,
    "longitude" : 8.057645
  },
  "mobilityServices" : [ "carsharing" ]
}
```

Fields of Request Body

Path	Type	Description
origin	Object	Origin of travel
origin.latitude	Number	Latitude
origin.longitude	Number	Longitude
destination	Object	Destination of travel
destination.latitude	Number	Latitude
destination.longitude	Number	Longitude
mobilityServices	Array	Requested mobility services

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 230

[ {
  "id" : null,
  "name" : "Carsharing Inc.",
  "url" : "https://test.carsharing.org",
  "operationAreas" : [ 72072 ],
  "serviceOffers" : [ "carsharing" ],
  "alive" : true,
  "lastHeartBeat" : "2019-12-21T13:53:31.565471"
} ]
```

2.2. Lookup by location

Sample Request

```
GET /v1/lookup/operationarea/72072 HTTP/1.1
Host: api.cofomo.org
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 187

[{"id":null,"name":"Carsharing
Inc.","url":"https://test.carsharing.org","operationAreas":[72072],"serviceOffers":["c
arsharing"],"alive":true,"lastHeartBeat":"2019-12-21T13:53:31.78316"}]
```