

# Search Car From Location application API

**1.For access to data You need to send your username and password and also clientId, clientSecret**

```
POST /oauth/token HTTP/1.1
Accept: application/json;charset=UTF-8
Authorization: Basic Y2xpZW50T25lOnNlY3JldA==
Host: localhost:8080
Content-Type: application/x-www-form-urlencoded

grant_type=password&username=myUsername&password=myPassword
```

**2.Get Access Token into response from Authentication Server:**

```
HTTP/1.1 200 OK
Cache-Control: no-store
Pragma: no-cache
Content-Type: application/json;charset=UTF-8
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
X-Frame-Options: DENY
Content-Length: 932

{
  "access_token" :
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX25hbWUiOiJteVZzZXJuYW11Iiwic2NvcGUiOiIsi
cmVhZCJdLCJvcmdhbmI6YXRpb24iOiJteVZzZXJuYW11V1BubSI6ImV4cCI6MTU5OTgzMzk4MCwiYXV0aG9yaX
RpZXMlOiIsIuk9MRV9VU0VSIl0sImp0aSI6ImMzMzNkZjAzLTJ0NDktNDc1Ny1hODh1LWZmNjAxMTkwYmRiZSIs
ImNsaWVudF9pZCI6ImNsaWVudE9uZSJ9.dyQHHsFBjYzicyjkXBtRVs_uGZdaK9CiUezyAMQKwyQ",
  "token_type" : "bearer",
  "refresh_token" :
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX25hbWUiOiJteVZzZXJuYW11Iiwic2NvcGUiOiIsi
cmVhZCJdLCJvcmdhbmI6YXRpb24iOiJteVZzZXJuYW11V1BubSI6ImF0aSI6ImMzMzNkZjAzLTJ0NDktNDc1Ny
1hODh1LWZmNjAxMTkwYmRiZSIsImV4cCI6MTU5OTgzMzU4MCwiYXV0aG9yaXRpZXMlOiIsIuk9MRV9VU0VSIl0s
Imp0aSI6ImMzMzNkZjAzLTJ0NDktNDc1Ny1hODh1LWZmNjAxMTkwYmRiZSIsImNsaWVudF9pZCI6ImNsaWVudE
9uZSJ9.cHpC38yoaoPV3j0kWrHIetQW4FE8FJrE-V0HSAD6S6U",
  "expires_in" : 3599,
  "scope" : "read",
  "organization" : "myUsernameWPnm",
  "jti" : "c333df03-4b49-4757-a88e-ff601190bdbe"
}
```

**3.Done! You have access to the data. Use the Your Access Token:**

```
$ http GET 'http://localhost:8080/getCars/53.9/20.88/100' \
  'Authorization:Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX25hbWUiOiJteVVzZXJ1YW11Iiwic2NvcGUiOi0lsic
mVhZCJdLCJvcmdhbmI6YXRpb24iOiJteVVzZXJ1YW11QVVTWCIsImV4cCI6MTU5OTgzMzk4MCwiYXV0aG9yaXR
pZXMiOi0lsUk9MRV9VU0VSIl0sImp0aSI6ImJkNjdiZTJjLTZhNzU0NDI3Yi05ZTI2LWUzNDNiODEyY2M3NSIsI
mNsaWVudF9pZCI6ImNsaWVudE9uZSJ9.kvovod74gW_kM10GtOmBGb63Ur1x9S18re4TN0_AIiE' \
  'Accept:application/json'
```

## 4. Get Your data:

```
{
  "0" : {
    "carId" : "5b8812a5-0e1b-4bda-adc6-208157beb1ec",
    "coordinate" : {
      "latitude" : 53.8999766066216,
      "longitude" : 20.879609098658
    }
  },
  "1" : {
    "carId" : "29859e75-a3fc-4683-8123-106ddb56ba87",
    "coordinate" : {
      "latitude" : 53.9005019030705,
      "longitude" : 20.881138343039
    }
  },
  "2" : {
    "carId" : "3f11f70e-249a-4a02-a580-bc15bf5e14fe",
    "coordinate" : {
      "latitude" : 53.9001368781674,
      "longitude" : 20.8811688161785
    }
  }
}
```

## Handle of the requests

The root path of the request looks like this:

```
/getCars/
```

Next, you need to enter the desired coordinates by which you want to find cars. The format is a point-separated decimal.

- The **first** parameter is latitude.
- The **second** parameter is longitude.

- The **third** parameter is the distance from the given point, in the radius of which you need to find cars (in meters)

```
/getCars/53.900136/20.864701/500  
  (latitude)(longitude)(distance)
```