Regional Bikes Scheme Open Data API Specifications

Overview

The document contains the Regional Bikes Scheme Open Data API specifications.

The purpose of this API is to allow the third parties to access the real time Bikes Station data.

API: Station Data

API URL: https://data.bikeshare.ie/dataapi/resources/station/data/list

IP Lockdown: No

Rate Limit: Hourly rate limit is applied to the api e.g. 30 requests / hour

Request Methods Allowed: POST

Request Format: application/x-www-form-urlencoded

Request Parameters:

key	Mandatory	API key as provided
schemeId	Mandatory	Scheme ID Possible values: [-1, 1, 2, 3, 4] -1: All schemes 1: Waterford 2: Cork 3: Limerick 4: Galway

Response Format: application/json

Response Parameters:

responseCode	Integer	API response code If responseCode = 0 then Success else Failure
responseText	String	API response text
responseDate	DateTime mm-dd-yyyy HH:mm:ss	API response date
data	StationData	data contains the list of StationData in the format specified in the next section.
responseHash	String	Md5 responseHash is generated for the below string. key + "." + data (jsonText)

StationData:

schemeId	Integer	Scheme ID Possible values: [1, 2, 3, 4] 1: Waterford 2: Cork 3: Limerick 4: Galway
schemeShortName	String	Scheme Name Possible values: [Waterford, Cork, Limerick, Galway]
stationId	Integer	Station ID
name	String	Station Name
nameIrish	String	Station Name in Irish
docksCount	Integer	Number of docks present at the Station
bikesAvailable	Integer	Number of bikes available to rent
bikesAvailableTypeOne	Integer	Number of push bikes available to rent
bikesAvailableTypeTwo	Integer	Number of electric bikes available to rent
docksAvailable	Integer	Number of docks available to return the bike
status	Integer	Station Status
latitude	Double	Latitude of Station
longitude	Double	Longitude of Station
dateStatus	DateTime mm-dd-yyyy HH:mm:ss	DateTime of the data

Response Codes and Texts:

0	Success.
1000	Invalid Request Format.
1017	Missing schemeId.
1117	Invalid schemeId.
1200	Failure.
1201	Authentication Failure.
1250	Data Unavailable.
1251	Rate Limit exceeded.

Response Examples

Success:

{"responseCode":0,"responseText":"Success.","responseDate":"07-06-2024 10:52:34","data":
[{"schemeId":1,"schemeShortName":"Waterford","stationId":1001,"name":"Hanover Street","nameIrish":"Sráid Hanover","docksCount":16,"bikesAvailable":8,"bikesAvailableTypeOne":8,"bikesAvailableTypeTwo":0,"docksAvailable":8,"status":0,"latitude":52.262756,"longitude":-7.114909,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1002,"name":"Arundel Square","nameIrish":"Cearnóg Arundel","docksCount":25,"bikesAvailable":10,"bikesAvailableTypeOne":10,"bikesAvailableTypeTwo":0,"docksAvailable":15,"status":0,"latitude":52.260752,"longitude":-7.110848,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1003,"name":"Bank Lane","nameIrish":"Lána an Bhainc","docksCount":16,"bikesAvailable":5,"bikesAvailableTypeOne":5,"bikesAvailableTypeTwo":0,"docksAvailable":11,"status":0,"latitude":52.259619,"longitude":-7.106498,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1004,"name":"Park Road","nameIrish":"Bóthar na Páirce","docksCount":30,"bikesAvailable":12,"bikesAvailableTypeOne":12,"bikesAvailableTypeTwo":0,"docksAvailable":18,"status":0,"latitude":52.255683,"longitude":-7.102137,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1005,"name":"University Hospital Waterford","nameIrish":"Ospidéal na hOllscoile, Port Láirge","docksCount":30,"bikesAvailable":8,"bikesAvailableTypeOne":8,"bikesAvailableTypeTwo":0,"docksAvailable":22,"status":0,"latitude":52.248184,"longitude":-7.079929,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1006,"name":"SETU - College St. Campus","nameIrish":"SETU - Campus Sráid an Ollscoille","docksCount":24,"bikesAvailable":8,"bikesAvailableTypeOne":8,"bikesAvailableTypeTwo":0,"docksAvailable":16,"status":0,"latitude":52.253814,"longitude":-7.116045,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1007,"name":"The Folly","nameIrish":"An Fallaí","docksCount":29,"bikesAvailable":7,"bikesAvailableTypeOne":7,"bikesAvailableTypeTwo":0,"docksAvailable":22,"status":0,"latitude":52.248936,"longitude":-7.10393,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1008,"name":"Riverwalk","nameIrish":"Cosán Abhann","docksCount":30,"bikesAvailable":13,"bikesAvailableTypeOne":13,"bikesAvailableTypeTwo":0,"docksAvailable":16,"status":0,"latitude":52.248562,"longitude":-7.11628,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1009,"name":"Kingfisher Sports Club","nameIrish":"Club Spóirt Cruidín","docksCount":30,"bikesAvailable":6,"bikesAvailableTypeOne":6,"bikesAvailableTypeTwo":0,"docksAvailable":24,"status":0,"latitude":52.244712,"longitude":-7.120702,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1010,"name":"Kilcohan Park","nameIrish":"Páirc Chill Chuain","docksCount":30,"bikesAvailable":11,"bikesAvailableTypeOne":11,"bikesAvailableTypeTwo":0,"docksAvailable":19,"status":0,"latitude":52.242271,"longitude":-7.112984,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1011,"name":"Tycor Road Roundabout","nameIrish":"Timpeallán Bóthair Tycor","docksCount":26,"bikesAvailable":10,"bikesAvailableTypeOne":10,"bikesAvailableTypeTwo":0,"docksAvailable":16,"status":0,"latitude":52.253825,"longitude":-7.130228,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1012,"name":"Waterford Industrial Estate","nameIrish":"Eastát Tionsclaíochta Phort

Láirge","docksCount":30,"bikesAvailable":9,"bikesAvailableTypeOne":9,"bikesAvail
ableTypeTwo":0,"docksAvailable":6,"status":0,"latitude":52.252006,"longitude":-
7.147961,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1013,"name":"SETU Campus
North","nameIrish":"SETU - Campus
Thuaidh","docksCount":30,"bikesAvailable":9,"bikesAvailableTypeOne":9,"bikesAvai
lableTypeTwo":0,"docksAvailable":21,"status":0,"latitude":52.246355,"longitude":
-7.142228,"dateStatus":"07-06-2024 10:52:00"},
{"schemeId":1,"schemeShortName":"Waterford","stationId":1014,"name":"SETU Campus
South","nameIrish":"SETU - Campus
Theas","docksCount":57,"bikesAvailable":19,"bikesAvailableTypeOne":19,"bikesAvai
lableTypeTwo":0,"docksAvailable":36,"status":0,"latitude":52.245381,"longitude":
-7.138958,"dateStatus":"07-06-2024
10:52:00"}],"responseHash":"4b0104b731295b44a2a001ff..."}

Failure:
{"responseCode":1117,"responseText":"Invalid
schemeId.","responseDate":"14-08-2015
15:33:15","data":[],"responseHash":null}