

Factsheet für radbox.nrw (ID : 38)

Zuletzt aktualisiert: 22.04.2025 04:00

Datex II

Datex II-Version: 3.1

Schema-Dateien: <https://download.vrs.de/mdd/datex2-schema.zip>

Für den Datenlieferanten radbox.nrw können über die folgenden Datex II-Endpunkte Daten abgefragt werden:

- <https://mdd.gorheinland.com/datex2-output/{Datex II Version}/{Datenlieferanten ID}>
- <https://mdd.gorheinland.com/datex2-output/{Datex II Version}/{Datenlieferanten ID}/status>

GraphQL

GraphQL-Queries erlauben das Abfragen gebündelter Feeds mehrerer Provider. Welche Feeds gebündelt werden kann über den Provider Filter gesteuert werden. Mehr Informationen zu gebündelten Feeds und Filtern können Sie der MDD NRW Schnittstellenbeschreibung entnehmen.

Legende

- *Kursiver Datentyp*: Aufzählung. Im GraphQL Schema sind alle möglichen Werte aufgelistet.
- **Fetter Datentyp**: Komplexer Datentyp, genaue Definition findet sich im Factsheet und im GraphQL Schema
- [Datentyp] mit eckigen Klammern: Liste mit Einträgen des jeweiligen Datentyps.
- Map(Datentyp1, Datentyp2): Eine Zuordnungstabelle für assoziative Daten.

Provider

Endpunkte: *listProviders*, *providerById*

Beschreibung: Complex datatype for information about providers. A provider is a source of data from which the MDD NRW receives information.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
name	String	Name of this provider	VRS
active	boolean	If a provider is active, the data for this provider is updated regularly. A value of "true" equals the state active.	

ParkingFacility

Endpunkte: *listParkingFacilities*, *parkingFacilityById*

Beschreibung: Complex datatype for information about parking facilities. Contains for example the address, coordinates and pricing information about the corresponding facility.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
provider	Provider	The provider this entity belongs to	
lastUpdated	Date	This entity was last loaded into the MDD NRW at this point. The date is given in UTC.	2024-07-30T09:30:00Z
externalId	String	Id given by provider	
name	String	Name of the parking facility	
lat	Double	WGS84 latitude of the sharing station in decimal degrees	51.890169
lon	Double	WGS84 longitude of the sharing station in decimal degrees	6.100169
address	String	Address of the parking facility	Hauptstraße 35
postCode	String	Postcode of the parking facility	40210
parkingType	<i>ParkingType</i>	Type of the parking facility	BIKEBOX
available	Boolean	"true" if the parking facility is available.	
externalType	String	Type given by provider	
lowestPriceInCents	Integer	Lowest price in cents for which it is possible to use the parking facility	
description	String	Description	
boxes	[Box]	The boxes in the parking facility	
urls	Map(UrlKey, Url)	A map containing Urls for this parking Facility	

Box

Beschreibung: Complex datatype for boxes in a parking facility. Boxes contain parking slots for, for example, bikes.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	ParkingFacility	Parking facility of the box	
name	String	Name of the box	
slots	[Slot]	Slots of the box	

Slot

Beschreibung: Complex datatype for parking slots in a box. A slot is a place to put, for example a bike within a box within a parking facility. Slots can have multiple spaces for vehicles.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
externalId	String	Id given by provider	
box	Box	Box of the parking slot	
power	Boolean	“true” if the parking slot is equipped with power supply?	
cargo	Boolean	“true” if the parking slot is equipped with larger storage	
groundLevel	Boolean	“true” if the parking slot is located at ground level for easy access	
tariffInfos	[ParkingTariffInfo]	Tariff information for this slot	

ParkingTariffInfo

Beschreibung: Complex datatype for tariff information for a parking slot

Attribut	Datentyp	Beschreibung	Beispiel
name	String	Name of the Tariff	
duration	Integer	Duration of the tariff	3
timeUnit	<i>TimeUnit</i>	Time unit of the tariff	HOURLY
prices	[Pricing]	Pricings	

Pricing

Beschreibung: Complex datatype for pricing information of parking slots.

Attribut	Datentyp	Beschreibung	Beispiel
amountOfSlots	Integer	Number of slots	1
price	Integer	Price	20

Url

Beschreibung: Complex datatype for URLs of a parking facility.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	ParkingFacility	The url applies to this parking facility.	
urlKey	<i>UrlKey</i>	The urlKey describes the purpose of the url.	DETAIL_PAGE_URL
urlValue	String	The url	