

Factsheet für Troisdorf (ID : 441)

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Geoserver

Für den Datenlieferanten Troisdorf können über die folgenden Geoserver Layer Daten abgefragt werden:

- P+R Anlagen - Troisdorf (ID: 441)
- Gebündelte P + R Anlagen

Datex II

Datex II-Version: 3.1

Schema-Dateien: <https://download.gorheinland.com/mdd/datex2-schema.zip>

Für den Datenlieferanten Troisdorf können über die folgenden Datex II-Endpunkte Daten abgefragt werden:

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

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.	
parkingFacilities	[ParkingFacility]	Parking facilities of this provider	

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 parking facility in decimal degrees	51.890169
lon	Double	WGS84 longitude of the parking facility in decimal degrees	6.100169
parkingType	<i>ParkingType</i>	Type of the parking facility	BIKEBOX
tariffs	[Tariff]	Tariffs for this parking facility	
operators	[Contact]	Operators of this parking facility	
parkingSpaces	[ParkingSpace]	The parking spaces in the parking facility	
capacities	[Capacity]	Capacity data	
features	[ParkingFacilityFeature]	Parking facility features contain additional information about the parking facility.	
parkingLayout	<i>ParkingLayout</i>	Parking Layout	OPEN_SPACE

Tariff

Beschreibung: Tariff information

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	ParkingFacility	Tariff information applies to this parking facility	
type	<i>FeeType</i>	Fee type	FREE

Contact

Beschreibung: Contact information for operator

Attribut	Datentyp	Beschreibung	Beispiel
id	String	Identifier of the contact information	
version	String	Version of the contact information	
contactOrganisationName	String	Name of the organisation	
email	String	Email address	

ParkingSpace

Endpunkte: *listParkingSpaces*, *parkingSpaceById*

Beschreibung: Complex datatype for information about a single parkingSpace inside a parkingFacility.

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	
parkingFacility	ParkingFacility	The parking space is inside this parking facility	
lat	Double	WGS84 latitude of the parking space in decimal degrees	51.890169
lon	Double	WGS84 longitude of the parking space in decimal degrees	6.100169
occupied	Boolean	“true“ if the parking facility is occupied.	
sensorId	String	ID of the sensor used for this parking space	
lastSensorContact	Date	Timestamp of the last successful contact with the sensor	
level	Integer	Level or floor the parkingSpace is located on	

Capacity

Beschreibung: Complex datatype for the capacity of a parking facility.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	ParkingFacility	Capacity information applies to this parking facility	
capacityKey	<i>CapacityKey</i>	Type of capacity information	TOTAL_SLOTS
capacityValue	Integer	Capacity of type capacityKey	15

ParkingFacilityFeature

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	ParkingFacility	The parking facility feature applies to this parking facility.	
feature	<i>FeatureType</i>	Feature type	ROOF